



Groundwater & Environmental Services, Inc.

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August 12, 2020

Mr. Damianos Skaros
New York State Department of Environmental Conservation – Region 9
Division of Environmental Remediation
270 Michigan Ave
Buffalo, New York 14203

Re: Site Characterization Study
Morgan Materials Vulcan Site – Site No. 915307
380-416 Vulcan St, Buffalo, New York

Dear Mr. Skaros:

Groundwater & Environmental Services, Inc. (GES) has prepared this report to summarize the sub-surface investigation and groundwater sampling activities conducted at the Morgan Materials Vulcan St. Site, ("site") located at 380-416 Vulcan St, Buffalo New York (**Figure 1**). The site consists of 4 separate tax parcels as shown in the Site Map (**Figure 2**).

The purpose of the site characterization is to provide data to evaluate whether the previous storage of chemicals on-site, created a potential significant threat to public health or the environment. The work reported herein was performed on behalf of the New York State Department of Environmental Conservation (NYSDEC). The work was conducted on December 18 and 19 in 2018 and May 14, 15, and 16, in 2019. Sampling activities were completed to analyze groundwater and soil for the presence of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and target analyte list (TAL) metals, target compound list (TCL) PCBs, toxicity characteristic leaching procedure (TCLP) VOCs, SVOCs, Pesticides, and Herbicides. Resource Conservation and Recovery Act (RCRA) metals and mercury were also analyzed.

In July 2016 the Environmental Protection Agency (EPA) conducted a joint investigation of the site to identify the quantities and condition of the chemicals stored within the site boundaries. This investigation resulted in the identification of approximately 10,000 containers being stored on the site. The containers varied from drums, boxes, and other various containers. The inspection identified substantial quantities of chemicals stored together, with many of the drums stored adjacent to incompatible materials. The condition of the containers varied from very good to very poor. Many of the containers found in the buildings that were stored improperly were labeled as flammable, corrosive, oxidizer and poison. The general housekeeping of the facility, including the concrete spill barrier and fire suppression system, were inadequate for a building of this size. Evidence of material spillage were observed throughout the site.

Upon completion of the joint inspection the facility was deemed unsafe and caused an immediate harm to human health and the environment. Due to the lack of fire suppression and improper storage of flammable and hazardous chemicals the NYSDEC issued a Summary Abatement Order (SAO) to the owner of Morgan Materials. In addition, the joint inspection led to the NYSDEC request for an EPA emergency removal action. The EPA in partnership with the NYSDEC contacted chemical manufactures that sold



products to Morgan Materials. The companies that responded were given an opportunity to voluntarily remove and dispose/recycle, all chemicals/materials previously sold to Morgan Materials Inc. All other materials were removed from the site by an EPA contractor. As of November 2017 a majority of the chemicals stored in the facility have been removed from the site, although no subsurface or chemical mobility evaluation was performed.

With the majority of the stored chemicals and compounds removed from the site, a subsurface investigation was proposed by the NYSDEC in order to evaluate environmental impacts and offsite migration hazards resulting from the historical nature of the site. On December 19, 2018 GES completed a preliminary sub-surface investigation at the main building and surrounding exterior of the site. Samples were not collected on the southern portion of the site due to the limited historical use of this section of the property and no evidence of environmental impact. The large soil piles observed within this area of the site were determined to be remnants from construction activities. Due to no indications of environmental contamination, further investigation on this area was not warranted.

The initial investigation entailed sampling soil, sludge, water, and bulk materials found throughout the site. Sampling locations were determined based on historical knowledge of the site and potential offsite migration networks. Sampling consisted of four (4) solid material samples, one (1) sludge, and eight (8) water samples. Water samples were collected with a variety of methods (manual grab, bailers, etc.) in order to obtain a true and representative sample. The solid samples were collected as a composite using various hand tools. During the initial investigation some samples were not able to be acquired due to access restrictions or additional equipment requirements. In May of 2019, an additional investigation took place at the Site to obtain samples that could not be collected during the initial investigation effort. Additional samples were collected inside and outside of the building. Sampling consisted of three (3) solid samples and two (2) water samples. The samples were obtained using a variety of methods including a peristaltic pump and a bailer for water samples, and hand tools were used to collect a composite sample of the solid materials. Sample locations and descriptions can be found on the table below and on **Figure 3**.

Site Investigation Sample Summary December 2018 and May 2019

Sample ID	Sample Matrix	Sample Location
Blending Room Drainage Trench	Solid	Blending room trench located in SW end of Main Building
NW Main Building Vault	Water and Solid	Under open grate in NW end of main building
Pigeon Room Wood Block Base	Solid	Soil under wood block base on E side of Pigeon Room
Far Back Room Wood Blocks	Solid	Wood blocks on E end of Far Back Room
MH-15	Water	Manhole on SW end of B-Building
Middle Room Double Door Vault	Water	Under double steel doors on SE end of Middle Room

Far Back Room Vault	Water	Under open grate in NE end of Far Back Room
Low Room Vault 3	Water	Under open grate in W end of Low Room
Drum Room DI	Water	Drainage Inlet in middle of Drum Room
Flammable Tent DI	Water	Drainage Inlet outside in flammable tent area
Transformer Pad	Solid	Soil scraped of old transformer pad in W end of Dark Room
Courtyard Sump	Solid	Sump outside located to S of Middle Room
Sample Room	Water	Under steel plates in W end of Sample Room
B-Building	Water	Under steel plate in between B- Building and B-Building East
Middle Room Steel Plate	Solid	Under steel plate at N end of Middle Room

Following the initial sampling and site investigation work, GES performed a subsurface investigation consisting of Geoprobng, well installation, and test pit excavation. Work was performed by TREC Environmental (TREC), of Spencerport NY under the direction of GES.

- Three 2 inch monitoring wells were installed by a 6 inch auger drill outside the site buildings in order to evaluate groundwater conditions and determine groundwater directional flow. The first well (MW-01) is located on the Northeastern portion of the site, adjacent to the “far back room” sampling location. The well was installed to approximately 20.5’ bgs with 15’ of screen and 5’ of riser. The soil classification from the boring consisted of approximately two feet of black-brown fill consisting of construction debris (Brick and crushed stone/concrete.) with silt and sand above the native brown clay. The second well (MW-02) is located on the Western portion of the site, behind “C-Building”. The well was installed to approximately 16’ bgs with 10’ of screen and 5’ of riser. The soil classification from the boring consisted of similar fill material above brown clay. The final monitoring well (MW-03) was installed on the Southern portion of the site within the courtyard north of B-Building. The well was installed to approximately 16’ bgs with 10’ of screen and 5’ of riser. The soil classification from the boring consisted of similar fill material and brown clay. None of the material from probing or drilling activities showed any sheen or other visual evidence of contamination. No odors were detected from any of the drilling derived material. A sample was collected from SB-03 in laboratory provided containers and analyzed for VOCs, SVOCs, Metals, and PCBs. Laboratory analysis was provided by TestAmerica of Amherst, NY under contract by the NYSDEC. Boring logs as well as well construction logs can be found in **Appendix A**.
- Each monitoring well was manually developed approximately one week after installation. All wells were developed using a surge block and a peristaltic pump using dedicated high density polyurethane tubing. Water quality parameters were collected during well development. Each well

was purged dry during development activities. Well development logs can be found in **Appendix B**.

- The wells were low flow sampled one week after development for VOCs, SVOCs, Metals, PCBs, Herbicides, and Pesticides. MW-1, and MW-2 were also sampled for PFAs and 1,4 Dioxane. Laboratory analysis and sample bottle ware was provided by TestAmerica of Amherst, NY under contract by the NYSDEC. During the monitoring well sampling event MW-1, and MW-3 went dry before sampling parameters stabilized. MW-1 did not stabilize but sampling was commenced once 3 well volumes were removed. MW-1 was sampled until it went dry; therefore the sampling was completed the next day. MW-3 was purged dry and sampled the following day to allow wells to recharge. Despite allowing MW-3 to recharge, the only yielded enough water for the VOCs, SVOCs, and Metals analysis. Well development and sampling logs can be found in **Appendix B**.
- Limited elevation data was available to obtain groundwater directional flow. Based on historical data from the surrounding area and general site characteristics groundwater was determined to flow to the West end of the site, towards the Niagara River.

The investigation also included the advancement of 7 test pits to further characterize subsurface soil conditions adjacent to the site buildings and storage areas. Soil samples were collected from 5 of the test pits based on visual observations and environmental monitoring using a Photo Ionization Detector (PID). Samples were collected in laboratory provided containers and analyzed for VOCs, SVOCs, Metals, and PCBs. Laboratory analysis was provided by TestAmerica of Amherst, NY under contract by the NYSDEC. Each test pit location was determined on site by NYSDEC. Test pit logs can be found in **Appendix A**.

Soil and Solid Data Analysis:

Soil and solid sample analytical data was tabulated and compared to NYCRR Part 375 SCO - New York State Part 375 Unrestricted, Commercial, and Industrial (when Commercial objectives were exceeded) Soil Cleanup Objectives (SCOs). **Table 1** contains the analytical data for all soil/solid samples. Sample locations are shown on **Figure 3**. Laboratory analytical reports are included in **Appendix C**.

Volatile Organic Compounds (VOCs):

Elevated VOCs were detected for only one compound above Unrestricted List SOCs and from four (4) samples:

- Acetone was detected in the NW Main Building Vault, Middle Room Steel Plate, TP-04 Comp, and SB-03 samples above Unrestricted SCOs at 42,000, 100, 74, and 82 (µg/Kg) respectively.

Semi-Volatile Organic Compounds (SVOCs):

Elevated SVOCs were detected above Unrestricted(U) SCOs in five (5) samples, Commercial (C)SCOs in four (4) samples and Industrial(I) SCOs in 3 samples.

- Benzo(b)fluoranthene was detected in the Blending Room Trench, Pigeon Room Wood Block Base, TP-04 Comp, and TP-07A samples above SCOs at 9.2(C), 83(I), 6.6(C), and 3.7(U) (mg/Kg) respectively.
- Benzo(a)anthracene was detected in the Blending Room Trench, Pigeon Room Wood Block Base, Far Back Room Wood Blocks, TP-04 Comp, and TP-07A samples above SCOs at 6.23(C), 51(I), 130(I), 4.8(U), and 1.5(U) (mg/Kg) respectively.
- Benzo(a)pyrene was detected in the Blending Room Trench, Pigeon Room Wood Block Base, Far Back Room Wood Blocks, TP-04 Comp, and TP-07A samples above Industrial SCOs at 5.13, 56, 120, 4.6, and 2.7 (mg/Kg) respectively.

- Benzo(g,h,i)perylene was detected in the TP-04 Comp and TP-07A samples above SCOs at 2.5(U), and 1.9(U) (mg/Kg) respectively
- Benzo(k)fluoranthene was detected in the Blending Room Trench, Pigeon Room Wood Block Base, Far Back Room Wood Blocks, TP-04 Comp, and TP-07A samples above SCOs at 3.8(U), 35(U), 81(C), 2.7(U), and 1.4(U) (mg/Kg) respectively.
- Chrysene was detected in the Blending Room Trench, Pigeon Room Wood Block Base, and Far Back Room Wood Blocks samples above SCOs at 6(U), 60(C), and 130(I) (mg/Kg) respectively.
- Fluoranthene was detected in the Far Back Room Wood Blocks sample above SCOs at 340(U) (mg/Kg).
- Indeno[1,2,3-cd]pyrene was detected in the Blending Room Trench, Pigeon Room Wood Block Base, and Far Back Room Wood Blocks samples above SCOs at 6,7(C), 41(I), and 67(I) (mg/Kg) respectively
- Phenanthrene was detected in the Far Back Room Wood Blocks sample above SCOs at 110(U) (mg/Kg).
- Pyrene was detected in the Pigeon Room Wood Block Base, and Far Back Room Wood Blocks, samples above SCOs at 100(U), and 290(U) (mg/Kg) respectively.

Metals:

Elevated Metals were detected above Unrestricted (U) SCOs in eleven (11) samples, and Commercial (C) SCOs in ten (10) samples.

- Arsenic was detected in the Blending Room Drainage Trench, NW Main Building Vault, Pigeon Room Wood Block Base, Middle Room Steel Plate, Courtyard Sump, TP-01A, TP-02, TP-03 Comp, TP-04 Comp, TP-07A, and SB-03 samples above SCOs at 22.5(C), 13.8(U), 38(C), 51.7(C), 33.2(C), 31.9(C), 37.5(C), 7.8(C), 11.5(C), 24.6(C), and 12.9(C) (mg/Kg) respectively.
- Barium was detected in the Blending Room Drainage Trench, Pigeon Room Wood Block Base, and Courtyard Sump samples above SCOs at 1150(C), 2620(C), and 379(U) (mg/Kg) respectively.
- Cadmium was detected in the Blending Room Drainage Trench, Pigeon Room Wood Block Base, and TP-04 Comp samples above SCOs at 83.1(C), 16.3(C), and 2.9(U) (mg/Kg) respectively.
- Chromium (total) was detected in the Blending Room Drainage Trench, NW Main Building Vault, Pigeon Room Wood Block Base, Middle Room Steel Plate, Courtyard Sump, TP-01A, TP-02, TP-03 Comp, TP-04 Comp, TP-07A, and SB-03 samples above Unrestricted SCOs at 316, 132, 624, 312, 610, 176, 207, 9.2, 166, 148, and 260 (mg/Kg) respectively.
- Copper was detected in the Blending Room Drainage Trench, NW Main Building Vault, Pigeon Room Wood Block Base, Middle Room Steel Plate, Courtyard Sump, TP-01A, TP-02, TP-04 Comp, TP-07A, and SB-03 samples above SCOs at 2510(C), 182(U), 557(C), 276(C), 742(C), 165(U), 121(U), 162(U), 88.9(U), and 65(U) (mg/Kg) respectively.
- Lead was detected in the Blending Room Drainage Trench, NW Main Building Vault, Pigeon Room Wood Block Base, Courtyard Sump, TP-01A, TP-02, and TP-04 Comp samples above SCOs at 2730(C), 135(U), 668(U), 150(U), 87.1(U), 103(U), and 308(U) (mg/Kg) respectively.
- Manganese was detected in the Blending Room Drainage Trench, Pigeon Room Wood Block Base, Middle Room Steel Plate, Courtyard Sump, TP-01A, and TP-04 Comp samples above Unlimited SCOs at 1640, 3310, 3370, 2880, 2390, and 1080 (mg/Kg) respectively.
- Mercury was detected in the Blending Room drainage Trench and TP-02 samples above SCOs at 5.2(C), and 0.3(U) (mg/Kg) respectively.
- Nickel was detected in the Blending Room Drainage Trench, NW Main Building Vault, Pigeon Room Wood Block Base, Middle Room Steel Plate, Courtyard Sump, TP-01A, TP-02, TP-03 Comp, TP-04 Comp, TP-07A, and SB-03 samples above SCOs at 287(U), 80(U), 819(C), 268(U), 255(U), 778(C), 376(C), 374(C), 225(U), 299(U), and 406(C) (mg/Kg) respectively.

- Selenium was detected in the Blending Room Drainage Trench sample above Unlimited SCOs at 76 (mg/Kg).
- Zinc was detected in the Blending Room Drainage Trench, NW Main Building Vault, Pigeon Room Wood Block Base, Courtyard Sump, TP-01A, TP-02, TP-04 Comp, TP-07A, and SB-03 samples above Unrestricted SCOs at 8840, 847, 937, 357, 97, 134, 204, 101, and 101 (mg/Kg) respectively.

PCBs:

Elevated PCBs were detected above Unrestricted (U) SCOs in three (3) samples, and Commercial (C) SCOs in five (5) samples.

- Aroclor 1248 was detected in the NW Main Building Vault above Commercial SCOs at 1.2 (mg/Kg).
- Aroclor 1254 was detected in the Blending Room Drainage Trench, Pigeon Room Wood Block Base, Far Back Room Wood Blocks, Middle Rm Steel Plate, Transformer Pad, Courtyard Sump, and TP-04 Comp samples above SCOs at 1.2(C), 0.53(U), 1.3(C), 3.9(C), 1.9(C), 0.44(U), and 0.12(U) (mg/Kg) respectively.

Herbicides / Pesticides:

Elevated levels of herbicides and pesticides were not detected in any of the soil/solids samples collected during the investigation.

Groundwater & Surface Water Sample Analysis:

Water analytical data has been tabulated and compared to NYSDEC Technical Operational Guidance Series (TOGS) 1.1.1 Ground Water Quality Standards (GWQS) (**Table 2**). The location of sample points is shown on **Figure 3**. Laboratory analytical reports are included in **Appendix C**.

Volatile Organic Compounds (VOCs):

Elevated VOCs were detected above TOGS for only one sample:

- Acetone was detected in the MW-3 sample at 160 µg/L.

Semi-Volatile Organic Compounds (SVOCs):

Elevated SVOCs were detected above TOGS in two (2) samples:

- 4-Methylphenol was detected in the MW-2 sample at 12 µg/L.
- Benzo(b)fluoranthene was detected in the Sample Rm sample at 15 µg/L.
- Benzo(a)anthracene was detected in the Sample Rm sample at 9.5 µg/L.
- Benzo(k)fluoranthene was detected in the Sample Rm sample at 7.4 µg/L.
- Chrysene was detected in the Sample Rm sample at 11 µg/L.
- Indeno[1,2,3-cd]pyrene was detected in the Sample Rm sample at 7.7 µg/L.
- Blocks, samples above SCOs at 100(U), and 290(U) (mg/Kg) respectively.

Metals:

Elevated Metals were detected above TOGS limits in thirteen (13) samples.

- Iron was detected in the MH-15, NW Main Building Vault, Middle Room Double Door Vault, Low Room Vault 3, Drain Room DI, Flammable Tent DI, Sample Rm, B Bldg, MW-2, and MW-3 samples above TOGS limits at 70.7, 1.3, 0.83, 3.7, 1, 6.3, 1.6, 1.2, 5.2, 0.68, 0.16, and 1.2 (mg/L) respectively.



- Lead was detected in the MH-15 sample above TOGS limits at 0.17 mg/L.
- Magnesium was detected in the MH-15, NW Main Building Vault, MW-1, and MW-s samples above TOGS limits at 65.4, 55.3, 35.6, and 426 (mg/L) respectively.
- Manganese was detected in the MH-15 and MW-2 samples above TOGS limits at 3.6 and 0.89 (mg/L) respectively.

PCBs:

Elevated PCBs were detected above TOGS limits in one (3) sample.

- Aroclor 1016 was detected in the Middle Room Double Door Vault sample above the TOGS limit at 0.29 (µg/L).

Herbicides / Pesticides:

Elevated levels of herbicides and pesticides were not detected in any of the water samples collected during the investigation.

Emerging Contaminants:

Groundwater samples were collected from MW-1 and MW-2 to analyze for Perfluoroalkyl Substances (PFAS) and 1,4-Dioxane. Both samples had detections of PFAS compounds.

- Perfluorobutanoic Acid was detected in MW-1 at 78 ng/L.
- Perfluoropentanoic Acid was detected in MW-2 at 65 ng/L.
- Perfluorohexanoic Acid was detected in MW-2 at 200 ng/L.
- Perfluoroheptanoic Acid was detected in MW-2 at 160 ng/L.
- Perfluorooctanoic Acid was detected in MW-2 at 9000 ng/L.
- Perfluorononanoic Acid was detected in MW-2 at 76 ng/L.
- Perfluorobutanesulfonic Acid was detected in MW-2 at 4.7 ng/L.
- Perfluorooctanesulfonic Acid was detected in MW-2 at 27 ng/L.

If you require additional information or clarification, please contact Thomas Palmer at (800) 287-7857 extension 4346 or by email at tpalmer@gesonline.com.

Sincerely,

Patrick Colern
Associate Environmental Scientist

Thomas Palmer
Project Manager



Attachments:

Figure 1 – Site Location Map

Figure 2 – Site Map

Figure 3 – Sample Location Map

Table 1 – Summary of Investigation's Soil/Fill Sample Analytical Results

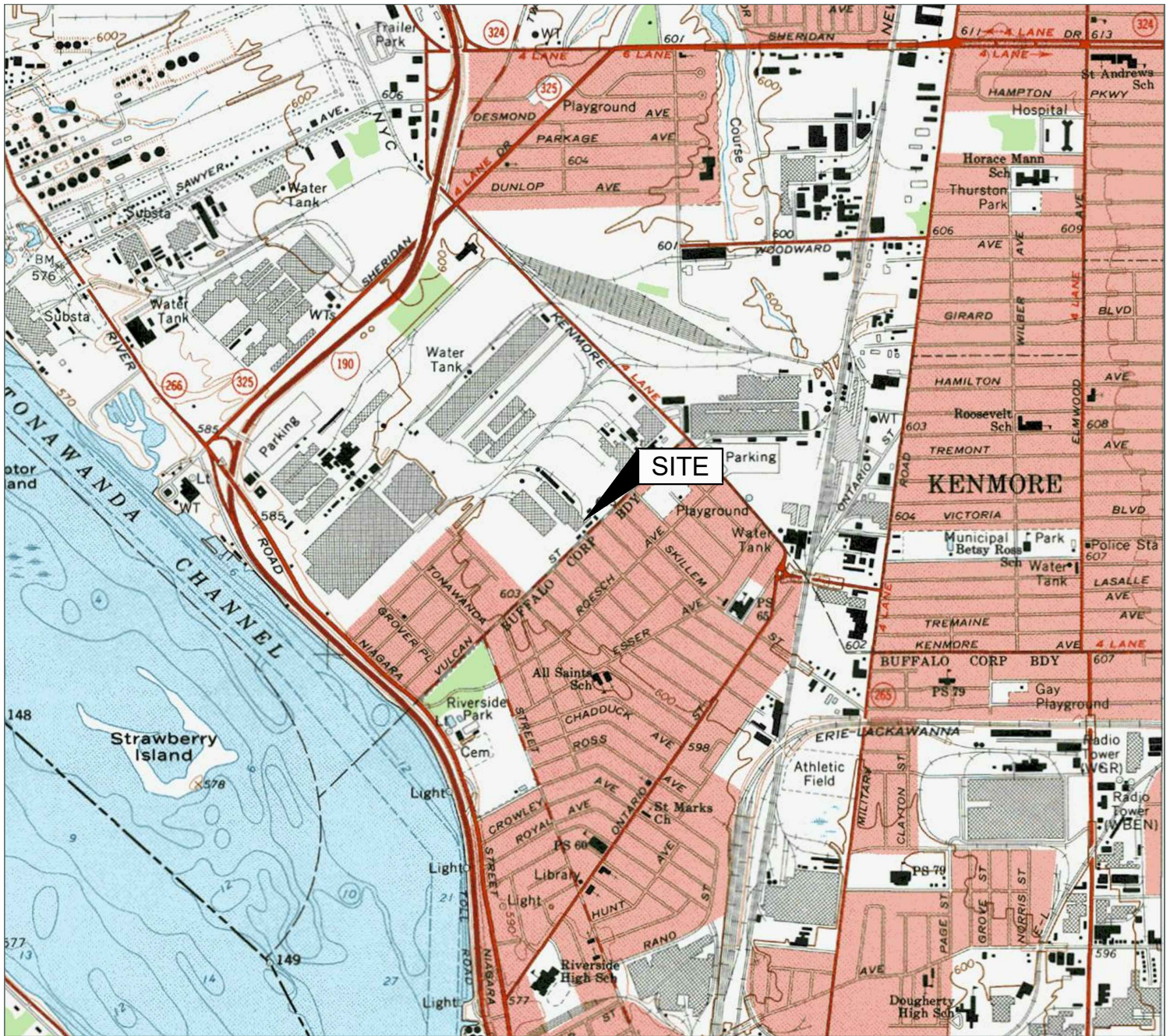
Table 2 – Summary of Investigation's Water Sample Analytical Results

Appendix A – Geoprobe and Test Pit Logs

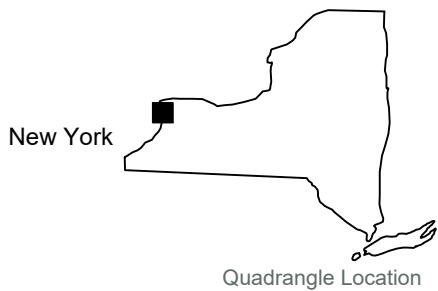
Appendix B - Groundwater Well Development Logs, Ground Water Sampling Logs

Appendix C – Laboratory Analytical Reports and Chain of Custody

Figures



Source:
 USGS 7.5 Minute Series
 Topographic Quadrangle, 1965
 Buffalo NW, New York
 Contour Interval = 10'



Site Location Map

NYSDEC
 Morgan Materials
 380 Vulcan Street
 Buffalo, New York

Drawn
 W.G.S.
 Designed
 Approved



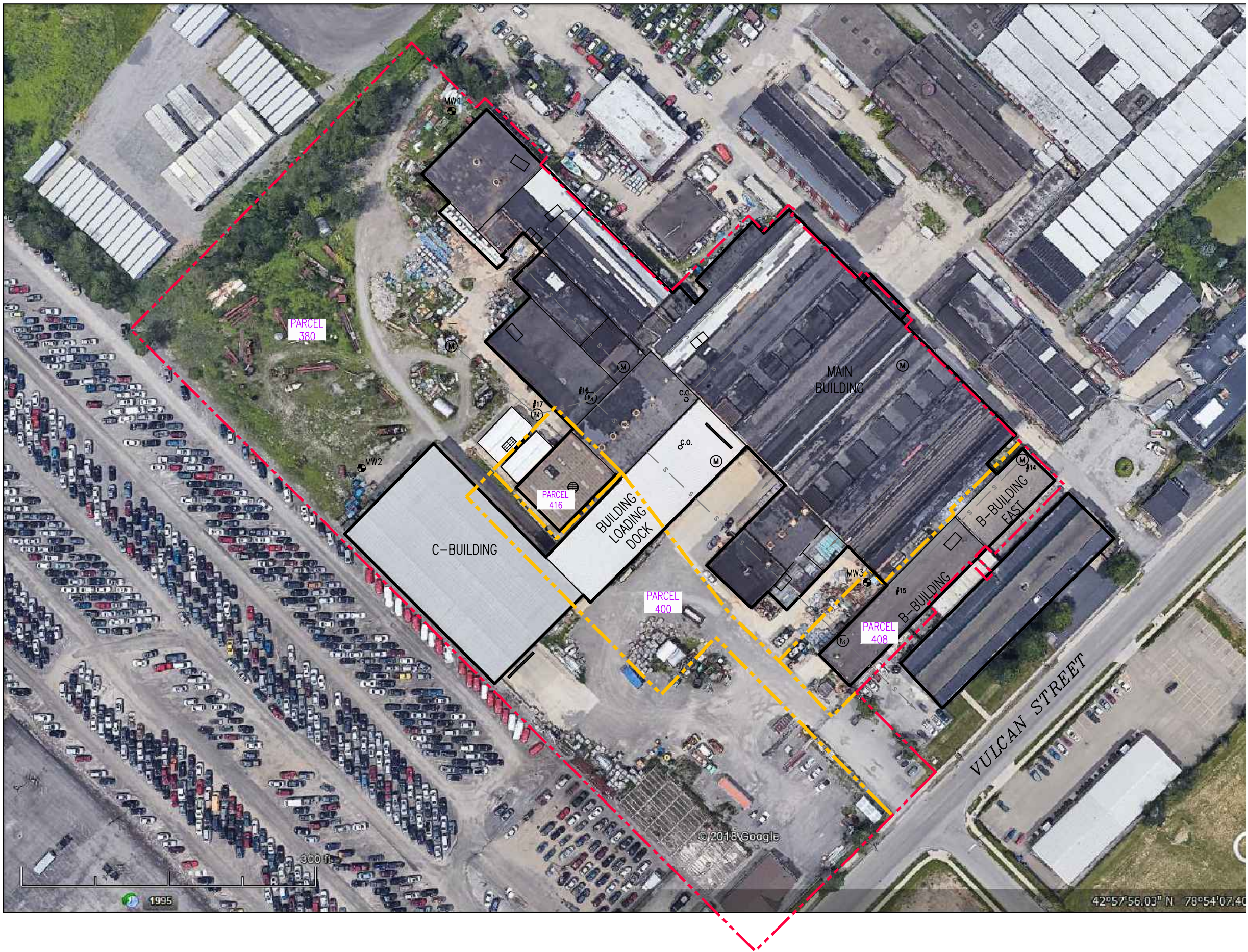
Date
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 Figure
 1

Scale In Feet

0 2000



Groundwater & Environmental Services, Inc.



LEGEND

- PROPERTY BOUNDARY
- DOCK SUMPS
- (M) UTILITY MANHOLE
- C.O. CLEANOUTS
- ⊞ DRAINAGE INLET
- ⊙ MONITORING WELL

Site Map

NYSDEC
Morgan Materials
380 Vulcan Street
Buffalo, New York

Drawn
W.G.S.
Designed

Approved

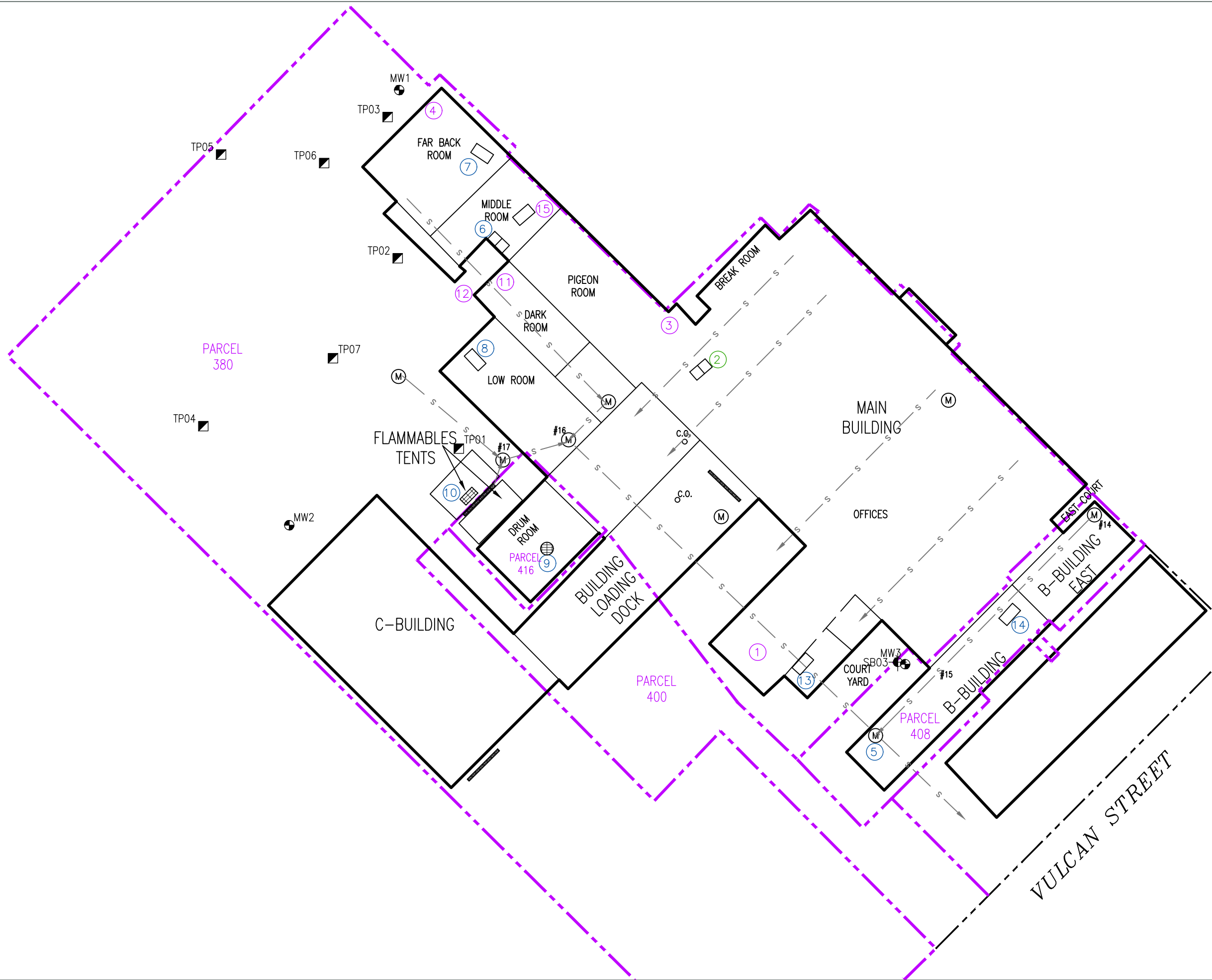


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Scale In Feet



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LEGEND

- PROPERTY BOUNDARY
- DOCK SUMPS
- (M) UTILITY MANHOLE
- C.O. CLEANOUTS
- ▣ DRAINAGE INLET
- ⊕ MONITORING WELL
- ⊠ TEST PIT
- ⊙ SOIL BORING
- ① BLEND ROOM DRAINAGE TRENCH
- ② NW MAIN BUILDING VAULT
- ③ PIGEON ROOM WOOD BLOCK BASE
- ④ FAR BACK ROOM WOOD BLOCKS
- ⑤ MH-15
- ⑥ MIDDLE ROOM DOUBLE DOOR VAULT
- ⑦ FAR BACK ROOM VAULT
- ⑧ LOW ROOM VAULT 3
- ⑨ DRUM ROOM DRAINAGE INLET
- ⑩ FLAMMABLE TENT DRAINAGE INLET
- ⑪ TRANSFORMER PAD
- ⑫ COURTYARD SUMP
- ⑬ SAMPLE ROOM (VAULT)
- ⑭ B BUILDING (STEEL PLATE)
- ⑮ MIDDLE ROOM STEEL PLATE
- ⑯ TP01A (24.5'x3')
- ⑰ TP02 (15'x24")
- ⑱ TP03 (11'x24") (COMPOSITE)
- ⑲ TP04 (10'x24") (COMPOSITE)
- ⑳ TP07A (10'x24")
- ㉑ SB03
- PURPLE SOLID
- GREEN SOLID AND WATER
- BLUE WATER
- TP05 (10'x24")
- TP06 (12'x24")

Sample Location Map

NYSDEC
Morgan Materials
380 Vulcan Street
Buffalo, New York

Drawn
W.G.S.
Designed
Approved

Scale In Feet
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Date
5/4/20
Figure
3

Tables



Table 1
Soil Analytical Results - VOCs

EPA Method 8260C	** 6 NYCRR Part 375-6.8(b) Soil Cleanup Objectives, Unrestricted Protection	** 6 NYCRR Part 375-6.8(b) Soil Cleanup Objectives, Commercial Protection	Sample ID:	Blending Room Drainage Trench	NW Main Building Vault	Pigeon Room Wood Block Base	Far Back Room Wood Blocks	Middle Rm Steel Plate	Courtyard Sump	TP-01A	TP-02	TP-03 Comp	TP-04 Comp	TP-07A	SB-03	FD-051619-01
			Lab Sample ID:	480-1472244-1	480-1472244-2	480-1472244-3	480-1472244-3	480-153636-1	480-153644-2	480-153653-1	480-153653-2	480-153653-3	480-153653-4	480-153653-5	480-153653-6	480-153653-7
			Matrix: Date Sampled:	Solid 12/19/2018	Solid 12/19/2018	Solid 12/19/2018	Solid 12/19/2018	Solid 5/15/2019	Solid 5/15/2019	Solid 5/16/2019	Solid 5/16/2019	Solid 5/16/2019	Solid 5/16/2019	Solid 5/16/2019	Solid 5/16/2019	Solid 5/16/2019
COMPOUND			UNITS:													
VOLATILES																
1,1,1-Trichloroethane	680	500,000	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	6.2 J vs	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	240,000	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	2.1 J vs	ND	ND	ND	ND
1,1-Dichloroethene	330	500,000	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1,100	500,000	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	30,000	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	280,000	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	130,000	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	120	500,000	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	12 J * vs	ND	18 J F1 * vs	ND
2-Hexanone	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	NS	(µg/Kg)	ND	920 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	500,000	(µg/Kg)	ND	42,000.00	ND	ND	100	17 J vs	ND	10 J vs	ND	74 vs	5.4 J vs	82 F1 vs	18 J vs
Benzene	60	44,000	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.35 J vs	ND
Bromodichloromethane	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	760	22,000	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	500,000	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	350,000	(µg/Kg)	ND	ND	ND	ND	.56 J	ND	ND	ND	0.49 J vs	ND	0.40 J vs	ND	0.43 J vs
Chloromethane	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	250	500,000	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1,000	390,000	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	NS	NS	(µg/Kg)	ND	ND	ND	ND	9.7	4.3 J vs	3.4 J vs	3.5 J vs	5.6 J vs	4.0 J vs	4.2 J vs	ND	5.4 J vs
Naphthalene	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0 J F1 vs	ND
trans-1,2-Dichloroethene	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	NS	NS	(µg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs			(µg/Kg)	ND	42,920.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

µg/L = micrograms per liter

NY Part 375 [Level] SCO - New York State Part 375 Unrestricted/Commercial/Industrial Soil Cleanup Objective

NM = Not Measured

NS = No Standard

ND (<#) = Indicates compound was analyzed for, but not detected at or above the reporting limit.

(J) = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit. The concentration is an approximate value.



Table 1
Soil Analytical Results - VOCs

EPA Method 8270D	** 6 NYCRR Part 375.6.8(b) Soil Cleanup Objectives, Unrestricted Protection	** 6 NYCRR Part 375.6.8(b) Soil Cleanup Objectives, Commercial Protection	** 6 NYCRR Part 375.6.8(b) Soil Cleanup Objectives, Industrial Protection	Sample ID:	Blending Room Drainage Trench	NW Main Building Vault	Pigeon Room Wood Block Base	Far Back Room Wood Blocks	Middle Rm Steel Plate	Courtyard Sump	TP-01A	TP-02	TP-03 Comp	TP-04 Comp	TP-07A	SB-03	FD-051619-01
				Lab Sample ID	480-1472244-1	480-1472244-2	480-1472244-2	480-1472244-3	480-153636-1	480-153644-2	480-153653-1	480-153653-2	480-153653-3	480-153653-4	480-153653-5	480-153653-6	480-153653-7
				Date Sampled:	12/19/2018	12/19/2018	12/19/2018	12/19/2018	5/14/2019	5/15/2019	5/16/2019	5/16/2019	5/16/2019	5/16/2019	5/16/2019	5/16/2019	5/16/2019
COMPOUND				UNITS:													
SEMIVOLATILES																	
1,1'-Biphenyl	NS	NS		(mg/Kg)	ND	ND	ND	ND	.51 J	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis(1-Chloropropan	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	.079	.087 J	ND	ND	ND	ND
2-Methylphenol	0.33	500	1000	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ethe	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ethe	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	500	1000	(mg/Kg)	ND	ND	4.2 J	4.1	ND	ND	ND	ND	.13 J	.73 J	ND	ND	.50 J
Acenaphthylene	100	500	1000	(mg/Kg)	ND	ND	8.3 J	14	ND	ND	ND	.046 J	ND	ND	1.1	ND	ND
Acetophenone	NS	NS	NS	(mg/Kg)	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100	500	1000	(mg/Kg)	ND	ND	12 J	ND	ND	ND	ND	.082 J	.30	2.0 J	.45 J	ND	ND
Atrazine	NS	NS	NS	(mg/Kg)	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1	5.6	11.0	(mg/Kg)	9.2 J	ND	83	ND	.58 J	ND	ND	.37	.69	6.6	3.7	.31 J	1.8 J
Benzo(a)anthracene	1	5.6	11.0	(mg/Kg)	6.2 J	ND	51	130	ND	ND	ND	.27	.60	4.8	1.5	ND	.97 J
Benzo(a)pyrene	1	1	1.1	(mg/Kg)	5.1 J	ND	55	120	.3 J	ND	ND	.28	.54	4.6	2.7	ND	1.2 J
Benzo(g,h,i)perylene	100	500	1000	(mg/Kg)	7.8 J	ND	53	73	ND	ND	ND	.19 J	.27	2.5	1.9	.27 J	.88 J
Benzo(k)fluoranthene	0.8	56	110	(mg/Kg)	3.8 J	ND	35	81	ND	ND	ND	.14 J	.29	2.7	1.4	ND	.63 J
bis(2-Chloroethoxy)methan	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl) ether	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl) phthalate	NS	NS	NS	(mg/Kg)	11	ND	ND	12 J	1.4 J	ND	ND	ND	ND	ND	ND	2.1 F1	ND
Butyl benzyl phthalate	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NS	NS	NS	(mg/Kg)	ND	ND	4.2 J	4	ND	ND	ND	ND	.17 J	1.1 J	ND	ND	ND
Chrysene	1	56	110	(mg/Kg)	6 J	ND	60	130	ND	ND	ND	.36	.60	5.5	1.9	ND	1.1 J
Dibenz[a,h]anthracene	0.33	0.56	1.1	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	7	350	1000	(mg/Kg)	ND	ND	2.2	ND	ND	ND	ND	.048 J	.089 J	.51 J	ND	ND	ND
Diethyl phthalate	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100	500	1000	(mg/Kg)	12 J	ND	86	340	.51 J	ND	ND	.52	1.4	9.5	3.2	.36 J	1.7 J
Fluorene	30	500	1000	(mg/Kg)	ND	ND	ND	7.9	ND	ND	ND	ND	.12 J	.90	ND	ND	ND
Hexachlorobenzene	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	0.5	5.6	11.0	(mg/Kg)	6.7 J	ND	41	67	ND	ND	ND	.17	.27	2.5 J	1.8	.20 J	.91 J
Isophorone	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12	500	1000	(mg/Kg)	ND	ND	3.6	ND	ND	ND	ND	.062	.057 J	ND	ND	ND	ND
Nitrobenzene	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	NS	NS	NS	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.8	500	1000	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100	500	1000	(mg/Kg)	8.3 J	ND	33	110	.38	ND	ND	.37	1.2	7.2	.46 J	.24 J	.34 J
Phenol	0.33	500	1000	(mg/Kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100	500	1000	(mg/Kg)	8.2 J	ND	100	290	ND	ND	ND	.43	1.1	8.2	3.3	ND	1.9 J
Total SVOCs				(mg/Kg)	84.3	ND	633	1,379.0									

Notes:
µg/L = milligrams per liter

NY Part 375 [Level] SCO - New York State Part 375 Unrestricted/Commercial/Industrial Soil Cleanup Objective
NM = Not Measured
NS = No Standard
ND (<#) = Indicates compound was analyzed for, but not detected at or above the reporting limit.
(J) = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit.

Table 1
Soil Analytical Results - Metals



Method: 6010C	**6 NYCRR Part 375-6.8(b) Soil Cleanup Objectives, Unrestricted Protection	**6 NYCRR Part 375-6.8(b) Soil Cleanup Objectives, Commercial Protection	Sample ID: Lab Sample ID: Matrix: Date Sampled: UNITS:	Blending Room Drainage Trench 480-1472244-1 Solid 12/19/2018	NW Main Building Vault 480-1472244-2 Solid 12/19/2018	Pigeon Room Wood Block Base 480-1472244-3 Solid 12/19/2018	Far Back Room Wood Blocks 480-1472244-4 Solid 12/19/2018	Middle Rm Steel Plate 480-153636-1 Solid 5/15/2019	Courtyard Sump 480-153644-2 Solid 5/14/2019	TP-01A 480-153653-1 Solid 5/16/2019
COMPOUND										
METALS										
Aluminium	NS	NS	mg/Kg	133000	1670	7480	91.7	493	4160	5070
Antimony	NS	NS	mg/Kg	33.9 J	4.5 J	19.6 J	0.94 J	50.3 J	26.0 J	30.9 J
Arsenic	13	16	mg/Kg	22.5	13.8	38	1.5 J	51.7	33.2	31.9
Barium	350	400	mg/Kg	1150	120	2620	61.2	64.5	379	47.9
Beryllium	7.2	590	mg/Kg	3.5	0.092 J	0.58	ND	ND	0.22 J	ND
Cadmium	2.5	9.3	mg/Kg	83.1	1.8	16.3	0.39	1.4 J	ND	ND
Calcium	NS	NS	mg/Kg	3270 B	38800 B	10600 B	2170 B	3710 B	5840 B	17900 B
Chromium, Total	30***	1,500***	mg/Kg	316	132	624	4.7	312	610	176
Cobalt	NS	NS	mg/Kg	23.1	10.2	39.4	0.71 J	28.3	22.2	25.2
Copper	50	270	mg/Kg	2510	182	557	32.8	276	742	165
Iron	NS	NS	mg/Kg	237000	106000	410000	23300	576000 B	359000 B	377000 B
Lead	63	1,000	mg/Kg	2730	135	668	26.1	38.3	150	87.1
Magnesium	NS	NS	mg/Kg	3490	2130	4460	175	803	1600	819
Manganese	1,600	10,000	mg/Kg	1640 B	882 B	3310	114 B	3370 B	2880	2390
Mercury	0.18	2.8	mg/Kg	5.2	0.052	0.14	0.017	0.046	0.31	0.0079
Nickel	30	310	mg/Kg	287	80	829	23.7	268	255	778
Potassium	NS	NS	mg/Kg	726	391	1120	273	185	364	843
Selenium	3.9	1,500	mg/Kg	76	ND	1.5 J	0.96	ND	ND	ND
Silver	2	1,500	mg/Kg	10.1	ND	ND	ND	ND	ND	ND
Sodium	NS	NS	mg/Kg	147 J	214 J	155 J	248	ND	59.9 J	ND
Thallium	NS	NS	mg/Kg	ND	ND	ND	ND	ND	ND	ND
Vanadium	NS	NS	mg/Kg	51.8	13.7	46.5	0.37 J	12.1	34.2	26.7
Zinc	109	10,000	mg/Kg	8840	847	937	56.4	93.4	357	97

Notes:

µg/L = milligrams per liter

NY Part 375 [Level] SCO - New York State Part 375 Unrestricted/Commercial/Industrial Soil Cleanup Objective

NM = Not Measured

NS = No Standard

ND (<#) = Indicates compound was analyzed for, but not detected at or above the reporting limit.

(J) = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit.

Table 1
Soil Analytical Results - Metals



Method: 6010C	**6 NYCRR Part 375-6.8(b) Soil Cleanup Objectives, Unrestricted Protection	**6 NYCRR Part 375-6.8(b) Soil Cleanup Objectives, Commercial Protection	Sample ID:	TP-02	TP-03 Comp	TP-04 Comp	TP-07A	SB-03	FD-051619-01
			Lab Sample ID:	480-153653-2	480-153653-3	480-153653-4	480-153653-5	480-153653-6	480-153653-7
			Matrix:	Solid	Solid	Solid	Solid	Solid	Solid
			Date Sampled:	5/16/2019	5/16/2019	5/16/2019	5/16/2019	5/16/2019	5/16/2019
COMPOUND			UNITS:						
METALS									
Aluminium	NS	NS	mg / Kg	10300	1940	12200	4180	26300	4540
Antimony	NS	NS	mg / Kg	27.4		6.9 J	0.89 J	11.0 J F1	1.1 J
Arsenic	13	16	mg / Kg	37.5	7.8	11.5	24.6	12.9	18.5
Barium	350	400	mg / Kg	78.5	31	159	37.5	158 F1	89.2
Beryllium	7.2	590	mg / Kg	0.65	0.02 J	0.72	0.27	1.5	0.26
Cadmium	2.5	9.3	mg / Kg	ND	0.095 J	2.9	0.73	ND	3.1
Calcium	NS	NS	mg / Kg	4140 B	1010 B	33100 B	19600 B	14200 B	59600 B
Chromium, Total	30***	1,500***	mg / Kg	207	9.2	166	148	260	95.4
Cobalt	NS	NS	mg / Kg	18.2	2.2	12	9.3	24.3	9.1
Copper	50	270	mg / Kg	121	23	162	88.9	65	95.9
Iron	NS	NS	mg / Kg	300000 B	12800 B	90500 B	59900 B	165000 B	64800 ^ B
Lead	63	1,000	mg / Kg	103	8.8	308	40.5	47.5	58.4
Magnesium	NS	NS	mg / Kg	1470 B	245	11300	3220	5570	5590
Manganese	1,600	10,000	mg / Kg	376	128 B	1080 B	622 B	1090 B	843 B
Mercury	0.18	2.8	mg / Kg	0.3	0.15	0.14	0.058	0.04	0.051
Nickel	30	310	mg / Kg	376	374	225	299	406	248
Potassium	NS	NS	mg / Kg	1340	374	2490	769	4670 F1	989
Selenium	3.9	1,500	mg / Kg	ND	ND	ND	ND	ND	ND
Silver	2	1,500	mg / Kg	ND	ND	ND	ND	ND	0.34 J
Sodium	NS	NS	mg / Kg	100 J	41.0 J	243	125 J	673	661
Thallium	NS	NS	mg / Kg	ND	ND	ND	ND	ND	ND
Vanadium	NS	NS	mg / Kg	70.4	8.1	34.1	14.5	80.5 F1	15.1
Zinc	109	10,000	mg / Kg	134	13.7	204	101	101	106

Notes:
µg/L = milligrams per liter
NY Part 375 [Level] SCO - New York State Part 375 Unrestricted/Commercial/Industrial Soil Cleanup Objective
NM = Not Measured
NS = No Standard
ND (<#) = Indicates compound was analyzed for, but not detected at or above the reporting limit.
The concentration is an approximate value.

Table 1
Soil Analytical Results - TCLP Metals



Method: 6010C TCLP	e-CFR-40 Subpart C-261.24 Toxicity characteristic. Table 1	Sample ID:	Blending Room Drainage Trench	NW Main Building Vault	Pigeon Room Wood Block Base	Far Back Room Wood Blocks	Middle Rm Steel Plate	TP-01A
		Lab Sample ID:	480-1472244-1	480-1472244-2	480-1472244-3	480-1472244-4	480-153636-1	480-153653-1
		Matrix:	Solid	Solid	Solid	Solid	Solid	Solid
		Date Sampled:	12/19/2018	12/19/2018	12/19/2018	12/19/2018	7/19/2018	5/16/2019
COMPOUND		UNITS:						
METALS								
Arsenic	5.0	mg/L	ND	ND	ND	0.0058 J	ND	0.0079 J
Barium	100.0	mg/L	1.9	0.95 J	1.3	1.4	1.1	0.56 J
Cadmium	1.0	mg/L	0.19	ND	0.071	0.0046	0.0034	0.0023
Chromium, Total	5.0	mg/L	0.022	ND	0.010 J	0.019 J	ND	ND
Lead	5.0	mg/L	4.7	0.012 J	0.073	ND	0.0038	0.23
Mercury	0.2	mg/L	ND	ND	ND	ND	ND	ND
Selenium	1.0	mg/L	ND	ND	ND	ND	ND	ND
Silver	5.0	mg/L	ND	ND	ND	ND	ND	ND

Notes:
mg/L = milligrams per liter

[55 FR 11862, Mar. 29, 1990, as amended at 55 FR 22684, June 1, 1990; 55 FR 26987, June 29, 1990; 58 FR 46049, Aug. 31, 1993; 67 FR 11254, Mar. 13, 2002; 71 FR 40259, July 14, 2006]

NM = Not Measured
NS = No Standard
ND (<#) = Indicates compound was analyzed for, but not detected at or above the
(J) = Result is less than the Reporting Limit but greater than or equal to the Method

Table 1
Soil Analytical Results - TCLP Metals



Method: 6010C TCLP	e-CFR-40 Subpart C-261.24 Toxicity characteristic. Table 1	Sample ID:	TP-02	TP-03 Comp	TP-04 Comp	TP-07A	SB-03	FD-051619-01
		Lab Sample ID:	480-153653-2	480-153653-3	480-153653-4	480-153653-5	480-153653-6	480-153653-7
		Matrix:	Solid	Solid	Solid	Solid	Solid	Solid
		Date Sampled:	5/16/2019	5/16/2019	5/16/2019	5/16/2019	5/16/2019	5/16/2019
COMPOUND		UNITS:						
METALS								
Arsenic	5.0	mg/L	.0077 J	ND	ND	0.0058 J	0.0059 J	ND
Barium	100.0	mg/L	0.70 J	0.22 J	1.7	0.85 J	0.49 J	0.69 J
Cadmium	1.0	mg/L	0.0022	0.0018 J	0.042	0.007	0.0011 J	0.0083
Chromium, Total	5.0	mg/L	ND	ND	ND	ND	0.011 J	ND
Lead	5.0	mg/L	0.046	ND	0.014 J	0.011 J	0.0069 J	ND
Mercury	0.2	mg/L	ND	ND	ND	ND	ND	ND
Selenium	1.0	mg/L	ND	ND	ND	ND	ND	ND
Silver	5.0	mg/L	ND	ND	ND	ND	ND	ND

Notes:
mg/L = milligrams per liter

[55 FR 11862, Mar. 29, 1990, as amended at 55 FR 22684, June 1, 1990; 55 FR 26987, June 29, 1990; 58 FR 46049, Aug. 31, 1993; 67 FR 11254, Mar. 13, 2002; 71 FR 40259, July 14, 2006]

NM = Not Measured
NS = No Standard
ND (<#) = Indicates compound was analyzed for, but not detected at or above the
(J) = Result is less than the Reporting Limit but greater than or equal to the Method

Table 1
Soil Analytical Results - PCBs



EPA Method: 8082A	** 6 NYCRR Part 375-6.8(b) Soil Cleanup Objectives, Unrestricted Protection	** 6 NYCRR Part 375-6.8(b) Soil Cleanup Objectives, Commercial Protection	** 6 NYCRR Part 375-6.8(b) Soil Cleanup Objectives, Industrial Protection	Sample ID:	Blending Room Drainage Trench	NW Main Building Vault	Pigeon Room Wood Block Base	Far Back Room Wood Blocks	Middle Rm Steel Plate	Transformer Pad	Courtyard Sump	TP-01A
				Lab Sample ID:	480-1472244-1	480-1472244-2	480-1472244-3	480-1472244-4	480-153636-1	480-153644-1	480-153644-2	480-153653-1
				Matrix:	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid
				Date Sampled:	12/19/2018	12/19/2018	12/19/2018	12/19/2018	5/15/2019	5/14/2019	5/14/2019	5/16/2019
COMPOUND				UNITS:								
Polychlorinated Biphenyls												
Aroclor 1016				(mg/kg)	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221				(mg/kg)	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232				(mg/kg)	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242				(mg/kg)	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248				(mg/kg)	ND	1.2	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.1	1	25	(mg/kg)	1.2	ND	0.53	1.3	3.9	1.9	0.44	ND
Aroclor 1260				(mg/kg)	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262				(mg/kg)	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268				(mg/kg)	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/L = milligrams per liter
NY Part 375 [Level] SCO - New York State Part 375 Unrestricted/Commercial/Industrial Soil Cleanup Objective
NM = Not Measured
NS = No Standard
ND (<#) = Indicates compound was analyzed for, but not detected at or above the reporting limit.
(J) = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit. The

Table 1
Soil Analytical Results - PCBs



EPA Method: 8082A	** 6 NYCRR Part 375-6.8(b) Soil Cleanup Objectives, Unrestricted Protection	** 6 NYCRR Part 375-6.8(b) Soil Cleanup Objectives, Commercial Protection	** 6 NYCRR Part 375-6.8(b) Soil Cleanup Objectives, Industrial Protection	Sample ID:	TP-02	TP-03 Comp	TP-04 Comp	TP-07A	SB-03	FD-051619-01
				Lab Sample ID:	480-153653-2	480-153653-3	480-153653-4	480-153653-5	480-153653-6	480-153653-7
				Matrix:	Solid	Solid	Solid	Solid	Solid	Solid
				Date Sampled:	5/16/2019	5/16/2019	5/16/2019	5/16/2019	5/16/2019	5/16/2019
COMPOUND				UNITS:						
Polychlorinated Biphenyls										
Aroclor 1016	0.1	1	25	(mg/kg)	ND	ND	ND	ND	ND	ND
Aroclor 1221				(mg/kg)	ND	ND	ND	ND	ND	ND
Aroclor 1232				(mg/kg)	ND	ND	ND	ND	ND	ND
Aroclor 1242				(mg/kg)	ND	ND	ND	ND	ND	ND
Aroclor 1248				(mg/kg)	ND	ND	ND	ND	ND	ND
Aroclor 1254				(mg/kg)	ND	ND	0.12 J	ND	ND	ND
Aroclor 1260				(mg/kg)	ND	ND	ND	ND	ND	ND
Aroclor 1262				(mg/kg)	ND	ND	ND	ND	ND	ND
Aroclor 1268				(mg/kg)	ND	ND	ND	ND	ND	ND

Notes:
µg/L = milligrams per liter
NY Part 375 [Level] SCO - New York State Part 375 Unrestricted/Commercial/Industrial Soil Cleanup Objective
NM = Not Measured
NS = No Standard
ND (<#) = Indicates compound was analyzed for, but not detected at or above the reporting limit.
(J) = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit. The



Table 2
Groundwater Analytical Results - VOCs

EPA Method 8260C	NYSDEC TOGS 1.1.1 GWQS	Sample ID:	MH-15	NW Main Building Vault	Middle Room Double Door Vault	Far Back Room Vault	Low Room Vault 3	Drain Room DI	Flammable Tent DI	Dup	Sample Rm	B Bldg	Dup-051419	MW-2	MW-1	MW-3	DUP
		Lab Sample ID	480-147238-1	480-147238-2	480-147238-3	480-14723-4	480-147238-5	480-147238-6	480-147238-7	480-147238-8	480-153638-1	480-153638-2	480-153638-3	480-155026-1	480-155026-2	480-155026-4	480-155026-6
		Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
		Date Sampled:	12/19/2018	12/19/2018	12/19/2018	12/19/2018	12/19/2018	12/19/2018	12/19/2018	12/19/2018	5/14/2019	5/14/2019	5/14/2019	6/12/2019	6/12/2019	6/13/2019	6/12/2019
COMPOUND		UNITS:															
VOLATILES																	
1,1,1-Trichloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.095	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	3.3 J	ND	ND	15 J	ND	160	18 J
Benzene	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	60	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	(µg/L)	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	37 F1 F2	ND	ND	ND	ND	ND	ND
Chloroform	7	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6	2.4	ND	ND	ND	ND
Chloromethane	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.33 J	ND	ND	ND
Methylcyclohexane	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/L = micrograms per liter
Bold values indicate analyt **Bold** values indicate analytical result exceeds TOGS 1.1.1 WQS
TOGS 1.1.1 WQS = Ambient TOGS 1.1.1 WQS TOGS 1.1.1 WQS = Ambient Water Quality Standards Guidance Values and Groundwater Effluent Limitations, amended April 2000
NM = Not Measured
NS = No Standard
ND (<#) = Indicates compound was analyzed for, but not detected at or above the reporting limit.
(J) = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit. The concentration is



Table 2
Groundwater Analytical Results - SVOCs

EPA Method 8270D	NYSDEC TOGS 1.1.1 GWQS	Sample ID:	MH-15	NW Main Building Vault	Middle Room Double Door Vault	Far Back Room Vault	Low Room Vault 3	Drain Room DI	Hammable Tent D	Dup	Sample Rm	Sample Rm RE Run	B BLDG	MW-2	MW-1	MW-3	DUP	
		Lab Sample ID	480-147238-1	480-147238-2	480-147238-3	480-14723-4	480-147238-5	480-147238-6	480-147238-7	480-147238-8	480-153638-1	480-153638-1	480-153638-2	480-155026-1	480-155026-2	480-155026-4	480-155026-6	
		Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
		Date Sampled:	12/19/2018	12/19/2018	12/19/2018	12/19/2018	12/19/2018	12/19/2018	12/19/2018	12/19/2018	12/19/2018	5/14/2019	5/14/2019	5/14/2019	6/12/2019	6/12/2019	6/13/2019	6/12/2019
COMPOUND			UNITS:															
SEMIVOLATILES			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1'-Biphenyl	5	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2,4,5-Tetrachlorobenzene	5	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,2'-oxybis(1-Chloropropane)	5	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,3,4,6-Tetrachlorophenol	1 ¹	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4,5-Trichlorophenol	1 ¹	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4,6-Trichlorophenol	1 ¹	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-Dichlorophenol	1 ¹	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-Dimethylphenol	50	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-Dinitrophenol	10	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-Dinitrotoluene	5	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,6-Dinitrotoluene	5	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Chloronaphthalene	10	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Chlorophenol	1 ¹	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Methylnaphthalene	NS	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Methylphenol	1 ¹	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Nitroaniline	5	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Nitrophenol	1 ¹	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
3,3'-Dichlorobenzidine	5	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
3-Nitroaniline	5	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4,6-Dinitro-2-methylphenol	NS	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-Bromophenyl phenyl ether	NS	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-Chloro-3-methylphenol	1 ¹	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-Chloroaniline	5	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-Chlorophenyl phenyl ether	NS	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-Methylphenol	1 ¹	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	0.41 J	9.6 J	
4-Nitroaniline	5	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-Nitrophenol	1 ¹	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acenaphthene	20	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acenaphthylene	NS	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acetophenone	NS	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Anthracene	50	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	0.31 J	ND	ND	ND	ND	ND	ND	
Atrazine	7.5	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzaldehyde	NS	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(b)fluoranthene	0.002	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	2.0 J F1 F2	15 J H F2 F1	ND	ND	ND	ND	ND	
Benzo(a)anthracene	0.002	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	1.2 J F1 F2	9.5 J H F2 F1	ND	ND	ND	ND	ND	
Benzo(a)pyrene	NS	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	1.5 J F1 F2	11 J H F2 F1	ND	ND	ND	ND	ND	
Benzo(a,h,i)perylene	NS	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	0.91 J	8.4 J H F2	ND	ND	ND	ND	ND	
Benzo(k)fluoranthene	0.002	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J F2	7.4 J H F2 F1	ND	ND	ND	ND	ND	
bis(2-Chloroethoxy)methane	5	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
bis(2-Chloroethyl) ether	1.0	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
bis(2-Ethylhexyl) phthalate	5	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Butyl benzyl phthalate	50	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Caprolactam	NS	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	2.3 J	ND	ND	ND	ND	ND	ND	
Carbazole	NS	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chrysene	0.002	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	1.5 J F1 F2	11 J H F2 F1	ND	ND	ND	ND	ND	
Dibenz[a,h]anthracene	NS	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	0.44 J	3.2 J H	ND	ND	ND	ND	ND	
Dibenzofuran	NS	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Diethyl phthalate	50	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.56 J	ND	ND	
Dimethyl phthalate	50	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Di-n-butyl phthalate	50	(µg/l)	ND	ND	ND	ND	ND	ND	ND	0.42 J	ND	ND	ND	ND	ND	ND	ND	
Di-n-octyl phthalate	50	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Fluoranthene	50	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	2.2 J F1 F2	16 J H F2 F1	ND	ND	ND	ND	ND	
Fluorene	50	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.38 J B	0.39 J B	0.37 J B	0.41 J B	
Hexachlorobenzene	0.04	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Hexachlorobutadiene	0.5	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Hexachlorocyclopentadiene	5	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Hexachloroethane	5	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Indeno[1,2,3-cd]pyrene	0.002	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	0.96 J	7.7 J H F2	ND	ND	ND	ND	ND	
Isophorone	50	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Naphthalene	10	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Nitrobenzene	0.4	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
N-Nitrosodi-n-propylamine	NS	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
N-Nitrosodiphenylamine	50	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Pentachlorophenol	1 ¹	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Phenanthrene	50	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	0.94 J	4.9 J H F2 F1	ND	1.7 J B	1.6 J B	1.7 J B	1.8 J B	
Phenol	1 ¹	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Pyrene	50	(µg/l)	ND	ND	ND	ND	ND	ND	ND	ND	2.0 J F1 F2	13 J H F2 F1	ND	ND	ND	ND	ND	

Notes:

µg/L = micrograms per liter

Bold values indicate analytical **Bold** values indicate **Bold** values indicate analytical result exceeds TOGS 1.1.1 WQS

TOGS 1.1.1 WQS = Ambient TOGS 1.1.1 WQS = TOGS 1.1.1 WQS = Ambient Water Quality Standards Guidance Values and Groundwater Effluent Limitations, amended April 2000

NM = Not Measured

NS = No Standard

ND (<#) = Indicates compound was analyzed for, but not

detected at or above the reporting limit.

(J) = Result is less than the Reporting Limit but greater than or

equal to the Method Detection Limit. The concentration is an

Table 2
Groundwater Analytical Results - Metals



Method: 6010C	NYSDEC TOGS 1.1.1 GWQS	Sample ID: 480-147238-1	MH-15 480-147238-2	NW Main Building Vault 480-147238-2	Middle Room Double Door Vault 480-147238-3	Far Back Room Vault 480-14723-4	Low Room Vault 3 480-147238-5	Drain Room D1 480-147238-6	Flammable Tent D1 480-153638-1	Dup 480-147238-8	Sample Rm. 480-153638-1	B Bldg 480-153638-2	Dup-051419 480-153638-3	MW-2 480-155026-1	MW-1 480-155026-2	MW-3 480-155026-4	DUP 480-155026-6	
		Matrix: Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
		Date Sampled 12/19/2018	12/19/2018	12/19/2018	12/19/2018	12/19/2018	12/19/2018	12/19/2018	12/19/2018	12/19/2018	5/14/2019	5/14/2019	5/14/2019	5/14/2019	6/12/2019	6/12/2019	6/13/2019	6/12/2019
COMPOUND																		
METALS																		
Aluminum	-	mg/L	22.4 B	0.14 J B	0.081 J B	0.18 J B	0.59 B	1.4 B	0.72 B	0.17 J B	0.60	0.6	2.2	0.15 J	ND	0.094 J	0.73	
Antimony	.006	mg/L	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	
Arsenic	.05	mg/L	0.023	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	
Barium	2	mg/L	0.46	0.13	0.046	0.027	0.093	0.031	0.027	0.027	0.035	0.047	0.078	0.072	0.03	0.027	0.069	
Beryllium	.003	mg/L	0.0013 J	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	
Cadmium	.01	mg/L	0.0041	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	0.00053 J	ND	ND	
Calcium	-	mg/L	292 B	138 B	127 B	67.4 B	104 B	8.5 B	19.8 B	65.3 B	24.9	36	41.7	78.4	149	426	70.8	
Chromium, Total	.1	mg/L	0.058	NS	NS	NS	0.0019 J	0.0017 J	0.0019 J	NS	0.0033 J	.0028 J	0.01	ND	ND	ND	0.0013 J	
Cobalt	-	mg/L	0.024	NS	NS	NS	0.00080 J	0.0017 J	0.0011 J	NS	ND	ND	0.0016 J	0.0011 J	0.0042	0.018	0.0012 J	
Copper	1	mg/L	0.2	0.0060 J	0.0057 J	0.0066 J	0.0058 J	0.011	0.0093 J	0.0059 J	0.063	0.012	0.045	0.0040 J	ND	ND	0.0046	
Iron	.6	mg/L	70.7	1.3	0.83	0.2	3.7	1	6.3	0.11	1.6	1.2	5.2	0.68	0.095	0.16	1.2	
Lead	.05	mg/L	0.17	0.015	NS	NS	0.0072 J	0.011	0.0058 J	NS	0.031	0.0077 J	0.038	ND	ND	ND	ND	
Magnesium	35	mg/L	65.4	55.3	16.2	15.8	15.2	1.3	1.8	15.4	4.0	6.4	8.3	35.6 B	426 B	1760 B	34.6 B	
Manganese	.6	mg/L	3.6	0.067	0.055	0.0046	0.35	0.041	0.3	0.0042	0.090	0.029	0.11	0.89	0.44	1.4	0.65	
Nickel	.2	mg/L	0.16	0.019	0.0026 J	0.0026 J	0.0093 J	0.0041 J	0.0046 J	0.0030 J	0.0045 J	0.0017 J	0.0093 J	0.015	0.0041 J	0.018	0.014	
Potassium	-	mg/L	10.9	87.1	7.2	34.2	10.9	0.37 J	1.6	33.4	2.9 B	2.5 B	2.9 B	4	16.7	22.5	4	
Selenium	.02	mg/L	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	
Silver	.1	mg/L	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	
Sodium	-	mg/L	35.6	118	16.5	23.9	43.8	1.2	2.4	23.8	23.6 B	15.6 B	15.2 B	39.5	174	555	61.5	
Thallium	.0005	mg/L	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	
Vanadium	-	mg/L	0.082	NS	NS	0.0025 J	0.0022 J	0.0022 J	0.0022 J	0.0020 J	0.0076	0.0023 J	0.0062	ND	ND	ND	0.0019 J	
Zinc	5	mg/L	0.89	0.1	0.018	0.0072 J	0.17	0.38	0.16	0.0064 J	0.11	0.076	0.2	ND	0.038	0.03	ND	
Analyte (Method 7470A)	TOGS 1.1.1 WQS																	
Mercury	.0014	mg/L	0.00018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

Notes:
µg/L = micrograms per liter
Bold values indicate analytical result exceeds TOGS 1.1.1 WQS
TOGS 1.1.1 WQS TOGS 1.1.1 WQS = A TOGS 1.1.1 WQS = Ambient Water Quality Standards Guidance Values and Groundwater Effluent Limitations, amended April 2000
NM = Not Measured
NS = No Standard
ND (<4) = Indicates compound was analyzed for, but
(J) = Result is less than the Reporting Limit but greater

Table 2
Groundwater Analytical Results - PCBs



Method: 6010	NYSDEC TOGS 1.1.1 GWQS	Sample ID:	MH-15	NW Main Building Vault	Middle Room Double Door Vault	Far Back Room Vault	Low Room Vault 3	Drain Room D1	Flammable Tent D1	Dup	Sample Rm	B Bldg	Dup-051419	MW-2	MW-1	MW-3
		Lab Sample ID	480-147238-1	480-147238-2	480-147238-3	480-14723-4	480-147238-5	480-147238-6	480-147238-7	480-147238-8	480-153638-1	480-153638-2	480-153638-3	480-155026-1	480-155026-2	480-155026-4
		Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
		Date Sampled	12/19/2018	12/19/2018	12/19/2018	12/19/2018	12/19/2018	12/19/2018	12/19/2018	12/19/2018	5/14/2019	5/14/2019	5/14/2019	6/12/2019	6/12/2019	6/13/2019
COMPOUND		UNITS:														
Aroclor 1016	0.09	ug/L	ND	ND	0.29 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Aroclor 1221		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Aroclor 1232		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Aroclor 1242		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Aroclor 1248		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Aroclor 1254		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Aroclor 1260		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS

Notes:
µg/L = micrograms per liter
Bold values in **Bold** values indicate anal **Bold** values indicate analytical result exceeds TOGS 1.1.1 WOS
TOGS 1.1.1 WC TOGS 1.1.1 WOS = Ambi TOGS 1.1.1 WQS = Ambient Water Quality Standards Guidance Values and Groundwater Effluent Limitations, amended April 2000
NM = Not Measured
NS = No Standard
ND (<#) = Indicates compound was analyzed for, but
(J) = Result is less than the Reporting Limit but greater

Table 2
Groundwater Analytical Results - Herbicides and Pesticides



Method: 8151A	TOGS 1.1.1 WQS	Sample ID:	MH-15	NW Main Building Vault	Middle Room Double Door Vault	Far Back Room Vault	Low Room Vault 3	Drain Room DI	Flammable Tent DI	Dup	Sample Rm	B Bldg	Dup-051419	MW-2	MW-1	MW-3	
		Lab Sample ID	480-147238-1	480-147238-2	480-147238-3	480-14723-4	480-147238-5	480-147238-6	480-147238-7	480-147238-8	480-153638-1	480-153638-2	480-153638-3	480-155026-1	480-155026-2	480-155026-4	
		Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
		Date Sampled	12/19/2018	12/19/2018	12/19/2018	12/19/2018	12/19/2018	12/19/2018	12/19/2018	12/19/2018	12/19/2018	5/14/2019	5/14/2019	5/14/2019	6/12/2019	6/12/2019	6/13/2019
COMPOUND		UNITS:															
HERBICIDES																	
Silvex (2,4,5-TP)	-	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	
2,4-D	-	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	
Method: 7470A																	
PESTICIDES																	
Chlordane, technic	0.05	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	
Endrin	0	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	
Gamma-BHC Linda	0.05	ug/L	ND	ND	ND	ND	0.018	ND	ND	ND	ND	ND	ND	ND	ND	NS	
Heptachlor	0.03	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	
Heptachlor Epoxid	0.03	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	
Methoxychlor		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	
Toxaphene	0.06	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	

NOTES:
Bold values indicate analytical result exceeds TOGS 1.1.1 WQS
 TOGS 1.1.1 WQS = Ambient Water Quality Standards Guidance Values and Groundwater Effluent Limitations, amended April 2000
 mg/L = milligrams per liter
 U = Analyte analyzed for, but not detected above the sample's reported quantitation limit
 - = no published regulatory standard
 J = Analyte
 B = An analyte
 NA = not analyzed

Table 2
PFAS and 1,4-Dioxane Groundwater Data Summary

Group	CAS No.	Emerging Contaminant	Abbreviation	Sample ID:	
				MW-1	MW-2
				Lab Sample ID:	480-155026-5 480-155026-1
				Date Sampled:	06/13/2019 06/12/2019
Perfluoroalkyl carboxylates	375-22-4	Perfluorobutanoic Acid	PFBA	(ng/L)	78 ND
	2706-90-3	Perfluoropentanoic Acid	PFPaA	(ng/L)	ND 65
	307-24-4	Perfluorohexanoic Acid	PFHxA	(ng/L)	ND 200
	375-85-9	Perfluoroheptanoic Acid	PFHpA	(ng/L)	ND 160
	335-67-1	Perfluorooctanoic Acid	PFOA	(ng/L)	ND 9000
	375-95-1	Perfluorononanoic Acid	PFNA	(ng/L)	ND 76
	335-76-2	Perfluorodecanoic Acid	PFDA	(ng/L)	ND ND
	2058-94-8	Perfluoroundecanoic Acid	PFUnA	(ng/L)	ND ND
	307-55-1	Perfluorododecanoic Acid	PFDoA	(ng/L)	ND ND
	72629-94-8	Perfluorotridecanoic Acid	PFTriA	(ng/L)	ND ND
	376-06-7	Perfluorotetradecanoic Acid	PFTeA	(ng/L)	ND ND
	375-73-5	Perfluorobutanesulfonic Acid	PFBS	(ng/L)	ND 4.7 J
Perfluoroalkyl sulfonates	355-46-4	Perfluorohexanesulfonic Acid	PFHxS	(ng/L)	ND ND
	375-92-8	Perfluoroheptanesulfonic Acid	PFHpS	(ng/L)	ND ND
	1763-23-1	Perfluorooctanesulfonic Acid	PFOS	(ng/L)	ND 27
	335-77-3	Perfluorodecanesulfonic Acid	PFDS	(ng/L)	ND ND
Perfluorooctane- sulfonamides	754-91-6	Perfluorooctane Sulfonamide	FOSA	(ng/L)	ND ND
Perfluorooctane- sulfonamidoacetic acids	2355-31-9	N-methyl Perfluorooctane Sulfonamidoacetic Acid	NMeFOSA	(ng/L)	ND ND
	2991-50-6	N-ethyl Perfluorooctane Sulfonamidoacetic Acid	NEtFOSAA	(ng/L)	ND ND
Fluorinated Telomer Sulfonates	27619-97-2	6:2FTS	6:2FTS	(ng/L)	ND ND
	39108-34-4	8:2FTS	8:2FTS	(ng/L)	ND ND

Notes:

ft btoc = Feet below top of casing

µg/L = Micrograms per liter

ng/L = Nanograms per liter

NA = Not applicable

ND<# = Not detected at or above indicated laboratory reporting limit.

U = Analyte analyzed for, but not detected above the sample's reported quantitation limit

B = An analyte identified in method blank

UJ = Analyte not detected above the sample quantitation limit; the associated quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample



Appendix A – Soil Boring and Test Pit Logs



FIELD BORING LOG

see well details.

rev: 5/14/2019

Soil Boring/Well ID: SB-1

0900 start time

Project: <u>Morgan Materials</u>	Client: <u>MSDFC</u>	Regulatory Case #:
Address:	GES Job #:	Regulatory Case Mgr:
City/County:	GES PM:	Permit #:
State:	PSID:	Soil Boring/Well ID: <u>SB-1</u>
Logged By: <u>P. Z. TREC</u>	Date Drilled: <u>5/15/19</u>	Sample Tool Diameter: <u>2.25</u>
Drilling Company: <u>ERIC + Chris</u>	Completion Date:	Sample Tool Length: <u>4'</u>
Drill Operator: <u>Geoffrey 6620</u>	Drilling Method: <u>Direct Push</u>	Soil Classification System: <u>Modified Burmeister</u>
Drill Rig Type:	Sampling Method:	Field Screening: <u>Mini Rae 3000 PID</u>
Latitude:	Longitude:	Top of Bentonite Seal:
TOC Elevation:	Borehole Diameter: <u>2.25</u>	Type of Seal:
Total Depth:	Well Diameter:	Top of Sand:
Refusal Depth:	Riser Length:	Sand Type:
Initial Depth to Water:	Screen Slot Size:	Well Material Type:
Static Depth to Water:	Screen Length:	Top of Grout:

Depth	Sample ID	Sample Interval (feet)	Sample Time	Recovery (ft/ft or %)	Field Screen (ppmv)	Geologic Description (Soil Class, Size, Color, Moisture, Density, Odor)	Well Completion Detail			Symbol
	SB-1	0-2		1.5'		Fill Material, Black-brown, medium-fine grains, brick, crushed stone, few sand, low moisture, loose. no odor				
		2-4		1.5'		clay, brown, low moisture, stiff, low plasticity, no odor. Dense				
		4-6		2'		SAA				
		6-8		2'		SAA				
		8-10		2'		SAA				
		10-12		2'		SAA				
		12-14		2'		SAA				
		14-16		2'		SAA				
		16-18				SAA				
		18-20				SAA - clay slightly more plastic				
		20-22				low moisture				

Proportions Used:	Notes:	Blow Count Penetration Resistance:		Symbols:
Trace = 0-10%	*Collect Samples at interval specified in FWD. For each sample, indicate the interval, recovery, field screen measurement, geologic description, and draw well detail. Fbgs = feet below ground surface ppmv = parts per million per volume	Consistence (M&C)	Density (G&S)	Static Water Level: ▽
Little = 10-20%		<2 = Very Soft	0-4 = Very Loose	Lab Sample Location: #
Some = 20-35%		2-4 = Soft	4-10 = Loose	Sieve Analysis Location:
And = 35-50%		4-8 = Medium	10-30 = Medium	NE = Not Encountered
		8-15 = Stiff	30-50 = Dense	NA = Not Applicable
		15-30 = Very Stiff	>50 = Very Dense	
		>30 = Hard		

Looking for GW @ DEC Request
Stopped Boring @ 22'

Will Auger Down to 22'

Soil Boring/Well ID: MW-01

Project:		Client:		Regulatory Case #:	
Address:		GES Job #:		Regulatory Case Mgr:	
City/County:		GES PM:		Permit #:	
State:		PSID:		Soil Boring/Well ID:	
Logged By:	PZ TRAC	Date Drilled:	5/15/19	Sample Tool Diameter:	
Drilling Company:	ERIC + CHRIS	Completion Date:	5/15/19	Sample Tool Length:	
Drill Operator:	GEOPROBE	Drilling Method:	Auger	Soil Classification System:	Modified Burmeister
Drill Rig Type:		Sampling Method:	NEEDLES	Field Screening:	Mini Rae 3000 PID
Latitude:		Longitude:		Top of Bentonite Seal:	
TOC Elevation:		Borehole Diameter:		Type of Seal:	
Total Depth:	20.5	Well Diameter:	2"	Top of Sand:	
Refusal Depth:		Riser Length:	30'	Sand Type:	00N Filter sand
Initial Depth to Water:		Screen Slot Size:	30	Well Material Type:	PVC
Static Depth to Water:		Screen Length:	15'	Top of Grout:	

Depth	Sample ID	Sample Interval (feet)	Sample Time	Recovery (feet)	Field Screen (ppmv)	Geologic Description (Soil Class, Size, Color, Moisture, Density, Odor)	Well Completion Detail	Symbol
	MW-1	1	starting 1030			Fill		
		2				Fill		
		3				Brown clay		
		4				Fill mix		
		5				Brown clay		
		6				Brown clay		
		7				Brown clay		
		8				11		
		9				11		
		10				11		
		11				Brown clay		
		12				11		
		13				11		
		14				11		
		15				11		
		16				Brown clay		
		17				11		
		18				11		
		19				11		
		20-	ending 1220			11		

Proportions Used:	Notes:	Blow Count Penetration Resistance:	Symbols:
Trace = 0-10%	*Collect Samples at interval specified in FWD. For each sample, indicate the interval, recovery, field screen measurement, geologic description, and draw well detail.	Consistence (M&C)	Static Water Level: ▽
Little = 10-20%	Fbgs = feet below ground surface	<2 = Very Soft	Lab Sample Location: ⊕
Some = 20-35%	ppmv = parts per million per volume	2-4 = Soft	Sieve Analysis Location:
And = 35-50%		4-8 = Medium	NE = Not Encountered
		8-15 = Stiff	NA = Not Applicable
		15-30 = Very Stiff	
		>30 = Hard	
		0-4 = Very Loose	
		4-10 = Loose	
		10-30 = Medium	
		30-50 = Dense	
		>50 = Very Dense	

≡ = screen ⊙ = Sand
 || = Riser ⊞ = Bentonite

Soil Boring/Well ID: SB-2

[illegible]



FIELD BORING LOG

rev: 5/14/2019

Soil Boring/Well ID: MW-2

1400

Project: <u>Morgan Materials</u>	Client:	Regulatory Case #:
Address: <u>Union St</u>	GES Job #:	Regulatory Case Mgr:
City/County: <u>Buffalo NY</u>	GES PM:	Permit #:
State:	PSID:	Soil Boring/Well ID:
Logged By: <u>Peter Zaffran</u>	Date Drilled: <u>5/15/19</u>	Sample Tool Diameter:
Drilling Company: <u>TREC Environmental</u>	Completion Date: <u>5/16/19</u>	Sample Tool Length:
Drill Operator: <u>ERR + Chris</u>	Drilling Method: <u>Auger</u>	Soil Classification System: <u>Modified Burmeister</u>
Drill Rig Type: <u>Geo Probe</u>	Sampling Method:	Field Screening: <u>Mini Rae 3000 PID</u>
Latitude:	Longitude:	Top of Bentonite Seal:
TOC Elevation:	Borehole Diameter:	Type of Seal: <u>Bentonite + Grout</u>
Total Depth: <u>-15</u>	Well Diameter: <u>2"</u>	Top of Sand: <u>4.5'</u>
Refusal Depth: <u>-16</u>	Riser Length: <u>5'</u>	Sand Type: <u>Coarse Silica</u>
Initial Depth to Water: <u>-10' to 11'</u>	Screen Slot Size: <u>00"</u>	Well Material Type: <u>PVC</u>
Static Depth to Water: <u>11'</u>	Screen Length: <u>10'</u>	Top of Grout: <u>Surface</u>

Depth	Sample ID	Sample Interval (feet)	Sample Time	Recovery (feet)	Field Screen (ppmv)	Geologic Description (Soil Class, Size, Color, Moisture, Density, Odor)	Well Completion Detail	Symbol
	<u>MW-2</u>	1				Fill	<u>Sand & Bentonite</u> <u>Riser 5'</u>	
		2				Fill		
		3				Fill & clay		
		4				Sand & riser		
		5				Brown clay		
		6				Brown clay	<u>Sand</u> <u>Screen 5'</u>	
		7				"		
		8				Sand and screen		
		9				"		
		10				"		
		11				"	<u>Sand</u> <u>Screen 5'</u>	
		12				"		
		13				Sand and screen		
		14				"		
		15				"		
		16				Sand		

Proportions Used:	Notes:	Blow Count Penetration Resistance:	Symbols:
Trace = 0-10%	*Collect Samples at interval specified in FWD. For each sample, indicate the interval, recovery, field screen measurement, geologic description, and draw well detail. Fbgs = feet below ground surface ppmv = parts per million per volume	Consistence (M&C)	Static Water Level: <u>▽</u>
Little = 10-20%		<2 = Very Soft	Lab Sample Location: <u>⊕</u>
Some = 20-35%		2-4 = Soft	Sieve Analysis Location:
And = 35-50%		4-8 = Medium	NE = Not Encountered
		8-15 = Stiff	NA = Not Applicable
		15-30 = Very Stiff	
		>30 = Hard	

10' of screen
5' of riser.

15' well reported by DEC

Attachment A-1 – Test Pit Record

Site Morgan Materials

Test Pit TP-01

Date 5/16/19

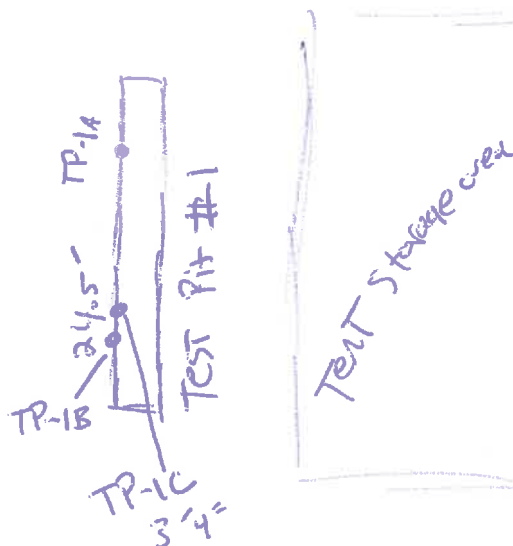
Time Start 0830

Time End 0920

Coordinates _____

Grid Element _____

Sketch map of test pit site, showing surface monitoring results EDGE OF BUILDING.



N
↑

Scale 1" = _____ feet

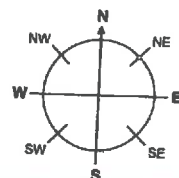
Crew Members

1	
2	Kurt, Steve Stock Master
3	
4	
5	
6	IDEAL LGES

Monitor Equipment

☒	PID
☒	Explosive Gas
☐	Available Oxygen
☐	OVM
☒	Camera
☐	Other

Record winds



Notes

Sample will be TP-1A, Take 2.5' Deep 4.5' FROM Building side of Pit. West side of Pit.

Pit is Being ~~Dug~~ Dug to Native clay about

2' 10", Sample will be taken from side wall - TP-1A PID-46.

PID = TP-1B = 0.2

0900

6 Jars

Attachment A-1 – Test Pit Record

Site _____

Test Pit

TP-02

Date

5/16/19

Time Start

0930

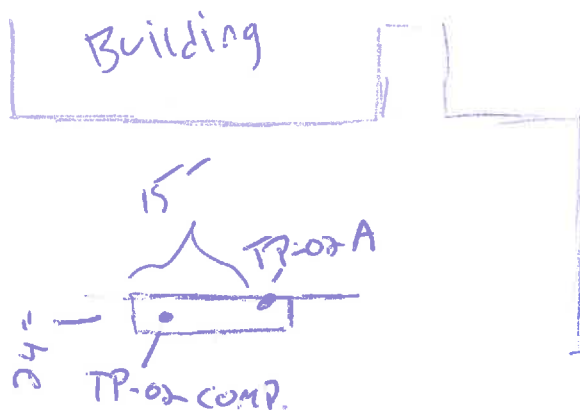
Time End

0945

Coordinates _____

Grid Element _____

Sketch map of test pit site, showing surface monitoring results



2' 10" Deep

N ↑

Notes

Scale 1" = _____ feet

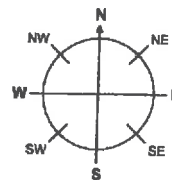
Crew Members

1
2
3
4
5
6

Monitor Equipment

- ☐ PID
- ☒ Explosive Gas
- ☐ Available Oxygen
- ☐ OVM
- ☒ Camera
- ☐ Other

Record winds



TP-02 comp sample, 2.0 PPM Black fill stained slight odor

TP-02A

0945

6 jars

Attachment A-1 – Test Pit Record

Site Morgan Materials

Test Pit ~~TP~~ TP-03

Date

Time Start 0950

Time End

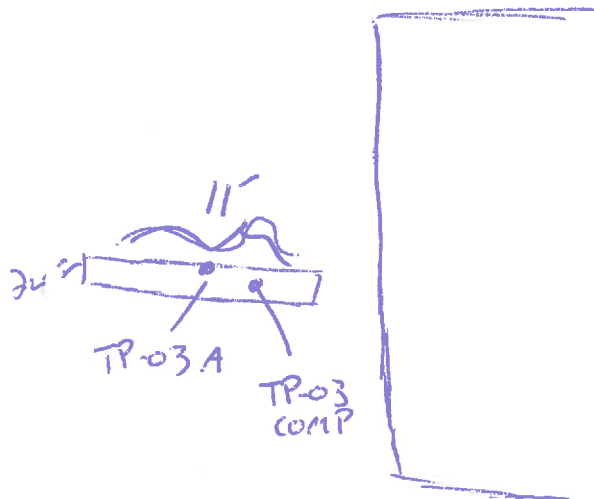
1015

Coordinates

Grid Element

Sketch map of test pit site, showing surface monitoring results

x x x Fence line x x x x x x x x x



N
↑

Scale 1" = _____ feet

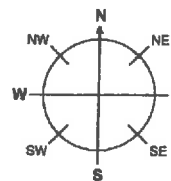
Crew Members

1
2
3
4
5
6

Monitor Equipment

- ☒ PID
- ☒ Explosive Gas
- ☐ Available Oxygen
- ☐ OVM
- ☒ Camera
- ☐ Other

Record winds



Notes

~~TP~~ TP-03 COMP - 0.5 PPM
TP-03 A - 0.2 PPM

TP03A tube 2' 6" Down. 8' From Building

TP03 COMP taken from Bucket about 6' From Bucket.

1000

6 jars

Attachment A-1 – Test Pit Record

Site

Morgan

Test Pit

TP-04

Date

Time Start

10:30

Time End

10:50

Coordinates

Grid Element

Sketch map of test pit site, showing surface monitoring results

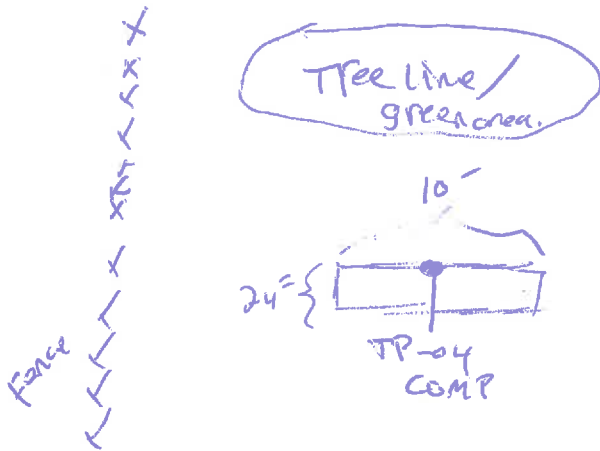
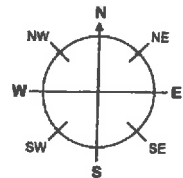
Crew Members

1
2
3
4
5
6

Monitor Equipment

- ☐ PID
- ☐ Explosive Gas
- ☐ Available Oxygen
- ☐ OVM
- ☐ Camera
- ☐ Other

Record winds



Scale 1" = _____ feet

Notes

Sample TP04 COMP
COMP sample taken @ 3'6"
PID = 0.7

Pit consists of Building material / concrete / fill.

Dug Deeper to about 5'6" and Native Material.
Took COMP sample to screen

1040

6 Jars.

Attachment A-2 – Test Pit/Trench Profile

TP-05

TEST PIT RECORD: PROFILE ALONG TEST PIT

Site

Depth (ft)

Scale 1" =

feet



~~xx~~ ~~xx~~ ~~xx~~ ~~xx~~ ~~xx~~ ~~xx~~ ~~xx~~

Bonding.

TP-05A

$$\frac{24}{25}$$

10

Notes

COMP SAMPLE FROM

E side wall

3'6" Deep.

PID - 0.7 PRM.

SAMPLES OBTAINED

No.

Depth (ft)

Init. Ser. No.

HD SP VOA
(ppm)

S-1

S-2

S-3

S-4

S-5

S-6

S-7

S-8

Reference: Field Book, P.G.

Attachments

Signature

Attachment A-2 – Test Pit/Trench Profile

sketch 1/20

EA 6
1145

TEST PIT RECORD: PROFILE ALONG TEST PIT

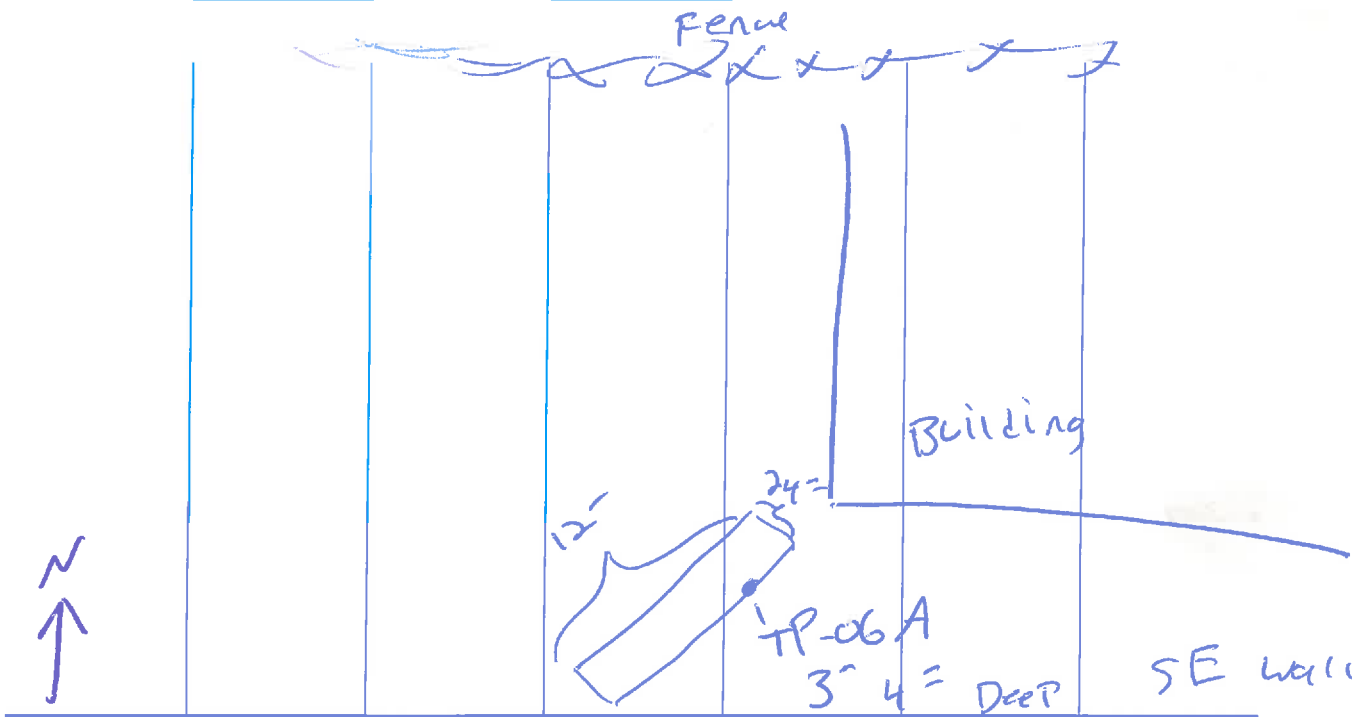
TP-06

Site

Depth (ft)

Scale 1" =

feet



Notes

Black staining

Native clay @ 2' 4"

Sample from Fill and
Clay layer

SAMPLES OBTAINED

No.

Depth (ft)

Init. Ser. No.

HD SP VOA
(ppm)

S-1

S-2

S-3

S-4

S-5

S-6

S-7

S-8

Reference: Field Book, P.G.

Attachments

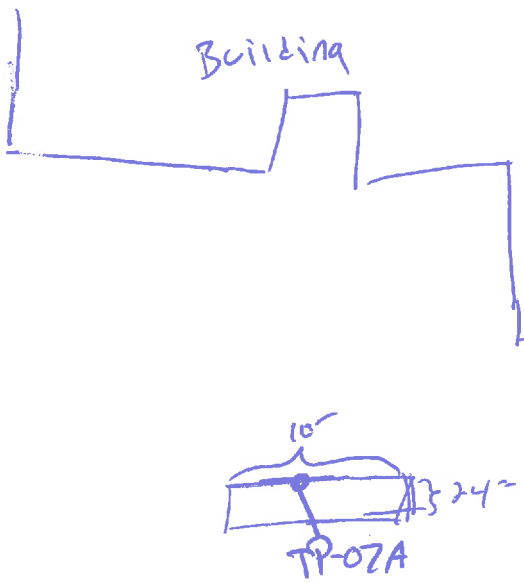
Signature

PID- 0.3 -0.5

Attachment A-1 – Test Pit Record

Site TP-07 Margen
Test Pit TP-07 Date 5/16/19
Time Start 11:45 Time End 12:30
Coordinates _____ Grid Element _____

Sketch map of test pit site, showing surface monitoring results



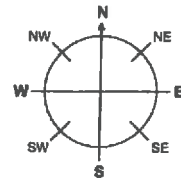
Crew Members

1
2
3
4
5
6

Monitor Equipment

- ☒ PID
- ☒ Explosive Gas
- ☐ Available Oxygen
- ☐ OVM
- ☒ Camera
- ☐ Other

Record winds



↑
N

Scale 1" = _____ feet

Notes

TP-07A PID = 0.4 PPM ~ 2' Deep on North

Way

12-1200

FD-051619-01
6



Appendix B – Groundwater Well Development and Sampling Logs

LOW FLOW SAMPLING LOG



TASK : **Well Development**

PSID

786724

Project Name:	NYSDEC/Buffalo/NY/VulcanSt/380-416	Date:	
Project Address:	380-416 Vulcan Street, Buffalo, NY	Sampler(s):	PC
Project #/Phase/Task/Org:	0901761///1109	Develop. Method:	Surge and Pump/Bail

Well ID: HW-1

Well Diameter: _____

Initial Depth to Water (ft): 14.59

Depth to Bottom (ft): 20.20

Pump Type/Model: _____

Water Quality Meter Model/SN: _____

Date Meter Calibrated: _____

Clock Time (24 Hour)	Depth to Water (ft)	Pump Rate (ml/min)	Purge Rate (ml/min)	Cumulative Volume Purged (Liters)	Temp. (°C)	Spec. Cond. (µS/cm or umhos/cm)	pH	ORP/Eh (mV)	DO (mg/L)	Turbidity (NTU)	Comments (Clear/Turbid, Sheen, Color, Well Dry)
0855	15.68	150			11.7	3.851	7.28	127.4	66.1	6.43	Turbid
0906	15.97	150			10.9	3.86	7.22	132.2	59.8	20.7	Turbid
0905	16.25	125			10.8	3.733	7.28	135.7	66.4	12.4	Turbid
0910	16.64	125			10.9	3.733	7.35	141.3	7.79	150	Turbid
0915	16.72	125			10.7	3.721	7.36	143.2	7.22	196.14	Turbid
0920	17.10				10.5	3.679	7.36	148.4	7.98	148.584	
0925	17.40				10.5	3.618	7.25	142.2	7.78	15.43	
0930	17.65				10.5	3.566	7.26	153.3	7.76	50.35	
0935	17.92				10.7	3.555	7.30	154.0	7.30	35.53	
0940	18.14				10.7	3.612	7.28	155	7.28	4.55	
0945	18.55				10.9	3.690	7.25	156	7.25	47.68	
0950	18.61				10.9	3.711	7.25	157	7.25	56.85	
0955	18.97				10.8	3.748	7.24	158	7.24	31.81	
1000	19.10				11.0	3.763	7.23	157	7.23	125.06	
1005	19.25				10.9	3.766	7.23	158.3	7.23	143.64	
1010	19.45				11.3	3.779	7.24	158.5	7.24	136.30	

Stabilization Target Ranges:

Temp: +/- 3%

Specific Conductivity: +/- 3%

pH: +/- 0.1 units

ORP/EH: +/- 10 mv

DO: +/- 10%

Turbidity: +/- 10% for >1 NTU

Comments:

Well went dry @ 1020 before stabilization

Approx 3.5 gal purged

Recharge @ 1400 19.00

Well Development

786724

Project Name:	NYSDEC/Buffalo/NY/VulcanSt/380-416		PSID	786724
Project Address:	380-416 Vulcan Street, Buffalo, NY			
Project #/Phase/Task/Org:	0901761///1109		Sampler(s):	PC
			Develop. Method:	Surge and Pump/Bail
Well ID: MW-2				

Pump Type/ Model:

Water Quality Meter Model/SN:

Date Meter Calibrated:

Well ID:

Well Diameter:

Initial Depth to Water (ft):

Depth to Bottom (ft):

[illegible]

Stabilization	Target Ranges:	Target Range Achieved? (Y/N)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
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12		
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93		
94		
95		
96		
97		
98		
99		
100		

Temp: +/- 3%

Specific Conductivity: $\pm 3\%$

pH: ± 0.1 units

ORP/EH: ± 10 mv

DO: +/- 10%

Turbidity: +/- 10% for >1 NTU

Comments:

13 ft. OGA pre surge. 15 post surge large amount
of sediment in well ~~was~~
Well did not stabilize before dry approx 9.5 gal poured
Water was extremely turbid
Resurveyed @ 1405 11.16

Well Development

786724

Well ID: FW-3

Well Diameter: 2

Initial Depth to Water (ft): 1908

Depth to Bottom (ft): 3000

Pump Type/Model: _____

Water Quality Meter Model/SN: _____

Date Meter Calibrated: _____

temp: +/- 3%	
pH specific Conductivity: +/- 3%	
DH: +/- 0.1 units	
Rp/EH: +/- 10 mv	
O: +/- 10%	
turbidity: +/- 10% for >1 NTU	

	Page _____ OF _____

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site: DEC - Morgan Mudra's Tubing Diameter (ID): 0.170
 Project #: 0901761 Initial Depth to Water (ft, TOC) 4.02
 Date: 6-12-19 Depth to Bottom of Well (ft, TOC) 15.30
 Sampling Device: Peristaltic Pump Feet of Water in Well (ft) 11.26
 Well ID: MW-2 Volume of Water in Well (gal) 1.84

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
0830	3.29	11.4	7.01	4.31	-67.7	0.47	OR
0840	3.55	11.3	7.04	4.34	-87.9	0.32	2409
0850	3.88	11.2	7.11	3.09	-92.7	0.41	1712
0900	4.08	11.3	7.20	1.31	-6.9	6.45	2517
0910	4.24	11.6	7.17	1.17	14.7	6.17	OR
0920	4.33	11.4	7.07	0.93	42.5	7.50	1032
0930	4.33	11.6	7.01	0.93	60.8	6.10	85
0940	4.34	11.9	7.01	0.91	65.1	6.08	73
0950	4.35	12.0	7.03	0.98	31.7	6.02	68
1000	4.36	12.3	7.04	0.99	25.6	5.91	67
1005	4.36	12.2	7.04	1.00	24.4	5.74	69
1010	4.37	12.3	7.08	0.99	23.9	5.69	68
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time: 825 Notes: 1012 Sample Time 5 gal purged
 Purge End Time: Sun 1600
 Weather: ↓
 Purge/Sampled by: T. Palm

- Dup anal MS/MSD collecty

- Pressure when J-Ply removed.
 / DTW ↑ until pump starts ✓

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site: DEC - Morgan Materials Tubing Diameter (ID): .170
 Project #: 0901761 Initial Depth to Water (ft, TOC) 17.78
 Date: 6-12-19 / 6-13-19 Depth to Bottom of Well (ft, TOC) 20.90
 Sampling Device: Peristaltic Pump Feet of Water in Well (ft) 3.12
 Well ID: MW3 Volume of Water in Well (gal) .51

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
1315	17.97	15.2	6.96	10.44	117.9	6.68	21.9
1325	18.29	15.8	6.99	10.38	129.0	6.03	2.31
1335	18.57	15.3	7.02	10.26	130.6	6.75	3.03
1345	18.96	15.0	7.02	10.25	130.5	7.35	2.59
1350	19.12	15.0	7.01	10.31	130.3	7.45	2.09
1355	19.36	14.4	6.99	10.32	131.3	7.97	1.94
1400	19.58	14.6	6.99	10.30	131.2	7.99	2.58
1405	19.90	14.4	6.99	10.35	131.6	7.53	1.96
1410	20.25	13.8	6.97	10.31	132.0	6.20	2.19
1418	20.82	14.0	6.96	10.29	132.5	6.18	2.27
—	Purge dry —	Not Stable @ 1420					
6-13-19							
	20.03	15.1	7.07	10.30	1	5.17	8.39
	- Fill 40A vials and (1) Am23 metals bottle - Dry						
	↳ Go finish MW-1 and come back						
0745	20.47						
	- Fill (1) 802 Amber in presence - Dry						
	* Damarcus decides to stop sampling						
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time: 1310
 Purge End Time: 1420
 Weather: Sun, 70s ↑
 Purge/Sampled by: L. Pahr

Notes: Sample Time 1.75 gal purged
Sampled @ 745 on 6-13-19
- limited volume (18cc Amber, 1 Metals, 9 vials)

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site: DEC Morgan Materials Tubing Diameter (ID): 1.70
 Project #: 0901761 Initial Depth to Water (ft, TOC) 12.14
 Date: 6-12-19 Depth to Bottom of Well (ft, TOC) 20.20
 Sampling Device: Peristaltic Pump Feet of Water in Well (ft) 8.06
 Well ID: MW-1 Volume of Water in Well (gal) 1.32

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
1445	12.65	12.8	7.24	3.90	46.2	1.26	6.55
1455	13.00	13.3	7.14	3.81	38.2	1.05	5.49
1505	13.46	13.2	7.15	2.96	34.3	1.54	4.90
1515	13.80	13.6	7.14	3.80	35.3	1.72	4.61
1520	14.02	13.7	7.14	3.82	33.6	1.36	4.60
1525	14.20	13.7	7.15	3.80	31.8	1.25	4.41
1530	14.44	14.4	7.16	3.81	30.2	1.51	3.94
1535	14.52	14.7	7.22	3.75	39.4	3.30	3.66
1540	14.73	14.5	7.22	3.59	42.7	3.62	3.37
1545	14.88	13.8	7.23	3.71	46.7	4.28	2.96
* Pump stopped - restart and continue							
1555	15.23	13.7	7.23	3.71	61.3	5.49	3.17
1605	15.34	12.8	7.22	3.69	66.4	5.61	2.58
* 1615	15.77	11.7	7.23	3.71	77.1	6.08	2.17
1625	16.14	11.4	7.23	3.76	78.2	6.71	2.03
1635	16.92	11.5	7.22	3.73	77.4	6.77	1.98
1645							2.10
1655	18.04	11.7	7.21	3.81	80.6	6.88	2.05
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time: 1440 Notes: 1658 Sample Time 5 gal purged
 Purge End Time: 1655 - Water level not stabilized, only
 Weather: Sun, 70s 3 volume removed, sample
 Purge/Sampled by: T. Palm - Sampled dry - Need (2) L Ambers & PFAS
 * Pump speed control failed, have to run faster to keep pumps

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site: DCC Morgan Materials Tubing Diameter (ID): .170
 Project #: 0901761 Initial Depth to Water (ft, TOC) 18.71
 Date: 6-13-19 Depth to Bottom of Well (ft, TOC) 20.90
 Sampling Device: Peristaltic Pump Feet of Water in Well (ft) 2.19
 Well ID: MW-1 Volume of Water in Well (gal) 0.36

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
845	18.71	13.5	7.23	3.98	59.5	4.05	8.03
- Sampled during last night							
	↳ sample	(2) Amber-liter bottles					
	↳ sample	for PFAS					
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:
 Purge End Time:
 Weather: Partly Cloudy
 Purge/Sampled by: T. Pahr

Notes: 845 Sample Time gal purged
- completed sampling for all parameters



Appendix C – Laboratory Analytical Reports

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-147244-1

Client Project/Site: Morgan Materials #915307

For:

New York State D.E.C.

270 Michigan Avenue

Buffalo, New York 14203

Attn: Damianos Skaros



Authorized for release by:

1/29/2019 9:03:04 AM

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

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I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Orlette Johnson
Senior Project Manager
1/29/2019 9:03:04 AM



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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
vs	Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A-L low-level specifications.
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

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

Case Narrative

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Job ID: 480-147244-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-147244-1

Receipt

The samples were received on 12/21/2018 4:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 4.1° C and 5.0° C.

GC/MS VOA

Method(s) 8260C: The following samples were diluted due to the nature of the sample matrix: Blending Room Drainage Trench (480-147244-1), Pigeon Room Wood Block Base (480-147244-3), Far Back Room Wood Blocks (480-147244-4) and (LB 480-452726/1-A). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: NW Main Building Vault (480-147244-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: NW Main Building Vault (480-147244-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was analyzed using medium level soil analysis and diluted due to the nature of the sample matrix: Far Back Room Wood Blocks (480-147244-4). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) associated with batch 480-452830. The following samples were affected : Blending Room Drainage Trench (480-147244-1), NW Main Building Vault (480-147244-2), Pigeon Room Wood Block Base (480-147244-3) and Far Back Room Wood Blocks (480-147244-4).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-452830 recovered above the upper control limit for Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: Blending Room Drainage Trench (480-147244-1), NW Main Building Vault (480-147244-2), Pigeon Room Wood Block Base (480-147244-3) and Far Back Room Wood Blocks (480-147244-4).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-452616 recovered outside acceptance criteria, low biased, for 1,1,2,2-Tetrachloroethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: NW Main Building Vault (480-147244-2) and Far Back Room Wood Blocks (480-147244-4).

Method(s) 8260C: The surrogate 1,2-Dichloroethane-d4 (Surr) was outside the 20%D limits on the continuing calibration verification (CCV 480-452616/8) but was within laboratory limits. The following samples are impacted: NW Main Building Vault (480-147244-2) and Far Back Room Wood Blocks (480-147244-4).

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

GC/MS Semi VOA

Method(s) 8270D: The following sample was diluted due to the abundance of non-target analytes: Far Back Room Wood Blocks (480-147244-4). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following samples were diluted due to color and, viscosity: Blending Room Drainage Trench (480-147244-1) and NW Main Building Vault (480-147244-2). Elevated reporting limits (RL) are provided.

Method(s) 8270D: The following samples required a dilution due to the nature of the sample matrix: Blending Room Drainage Trench (480-147244-1) and NW Main Building Vault (480-147244-2). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method(s) 8270D: The following samples were diluted to bring the concentration of target analytes within the calibration range: Pigeon Room Wood Block Base (480-147244-3) and Far Back Room Wood Blocks (480-147244-4). Elevated reporting limits (RLs) are provided.

Case Narrative

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Job ID: 480-147244-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Method(s) 8270D: The following samples required a dilution due to the nature of the sample matrix: Pigeon Room Wood Block Base (480-147244-3) and Far Back Room Wood Blocks (480-147244-4). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-454000 recovered above the upper control limit for Dibenz(a,h)anthracene, 4-Nitrophenol, Indeno[1,2,3-cd]pyrene and Benzo[g,h,i]perylene. The samples associated with this CCV were non-detect above the reporting limit (RLs) for the affected analytes; therefore, the data have been reported. The following samples are impacted: Blending Room Drainage Trench (480-147244-1) and NW Main Building Vault (480-147244-2).

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-454000 recovered outside acceptance criteria, low biased, for 2,2'-oxybis[1-chloropropane]. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: Blending Room Drainage Trench (480-147244-1) and NW Main Building Vault (480-147244-2).

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

GC Semi VOA

Method(s) 8081B: The following sample was diluted due to the nature of the sample matrix: Far Back Room Wood Blocks (480-147244-4). Elevated reporting limits (RLs) are provided.

Method(s) 8081B: The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

Method(s) 8081B: All primary data for analytical batch 453132 is reported from the RTX-CLPI column.

Method(s) 8082A: The following samples are associated with a continuing calibration verification (CCV 480-453695/31) that had recoveries for the surrogate Decachlorobiphenyl that were slightly below acceptance limits: Blending Room Drainage Trench (480-147244-1), NW Main Building Vault (480-147244-2), Pigeon Room Wood Block Base (480-147244-3) and Far Back Room Wood Blocks (480-147244-4). The secondary surrogate Tetrachloro-m-xylene is within limits. Therefore the data has been reported.

Method(s) 8082A: Surrogate recoveries for the following samples were outside control limits: NW Main Building Vault (480-147244-2), Pigeon Room Wood Block Base (480-147244-3) and Far Back Room Wood Blocks (480-147244-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8082A: All primary data for analytical batch 453695 is reported from the ZB-5 column.

Method(s) 8082A: The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculation are only listed for completeness.

Method(s) 8151A: Surrogate recoveries for the following samples were outside control limits: Pigeon Room Wood Block Base (480-147244-3), Far Back Room Wood Blocks (480-147244-4) and (LB 480-452708/1-C). This is routine for TCLP herbicides, due to the pH effects created during the leaching process, inhibiting the herbicide derivatization of the free acid components.

Method(s) 8151A: All primary data for analytical batch 454776 is reported from the RTX-CLPI column.

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

Metals

Method(s) 6010C: The following sample was diluted due to the presence of Aluminum which interferes with Total Manganese, Lead, and Selenium: Blending Room Drainage Trench (480-147244-1). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The following sample was diluted due to the presence of Total Iron which interferes with Total Silver, Cadmium, Manganese, Nickel, lead, Antimony, and Vanadium for: Pigeon Room Wood Block Base (480-147244-3). Elevated reporting limits (RLs) are provided.

Case Narrative

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Job ID: 480-147244-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Method(s) 6010C: The following samples were diluted due to the presence of Iron which interferes with Total Silver, Cadmium, Manganese, Nickel, Lead, Antimony, and Vanadium: Blending Room Drainage Trench (480-147244-1) and NW Main Building Vault (480-147244-2). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The Low Level Continuing Calibration Verification, (CCVL 480-453735/19) associated with batch 480-453735, contained Total Lead above the upper quality control limit. The associated samples were either ND for the affected analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples Pigeon Room Wood Block Base (480-147244-3) was not performed..

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

Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 480-452708, 480-452874, 480-452882 and 480-452976.

Method(s) 3510C: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: NW Main Building Vault (480-147244-2). The reporting limits (RLs) have been adjusted proportionately.

Method(s) 3550C: Due to the matrix, the following samples could not be concentrated to the final method required volume: Blending Room Drainage Trench (480-147244-1), NW Main Building Vault (480-147244-2), Pigeon Room Wood Block Base (480-147244-3) and Far Back Room Wood Blocks (480-147244-4). The reporting limits (RLs) are elevated proportionately.

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

Detection Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: Blending Room Drainage Trench

Lab Sample ID: 480-147244-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	6200	J	21000	2100	ug/Kg	5	✱	8270D	Total/NA
Benzo[a]pyrene	5100	J	21000	3000	ug/Kg	5	✱	8270D	Total/NA
Benzo[b]fluoranthene	9200	J	21000	3300	ug/Kg	5	✱	8270D	Total/NA
Benzo[g,h,i]perylene	7800	J	21000	2200	ug/Kg	5	✱	8270D	Total/NA
Benzo[k]fluoranthene	3800	J	21000	2700	ug/Kg	5	✱	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	11000	J	21000	7000	ug/Kg	5	✱	8270D	Total/NA
Chrysene	6000	J	21000	4600	ug/Kg	5	✱	8270D	Total/NA
Fluoranthene	12000	J	21000	2200	ug/Kg	5	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	6700	J	21000	2500	ug/Kg	5	✱	8270D	Total/NA
Phenanthrene	8300	J	21000	3000	ug/Kg	5	✱	8270D	Total/NA
Pyrene	8200	J	21000	2400	ug/Kg	5	✱	8270D	Total/NA
PCB-1254	1.2		0.37	0.17	mg/Kg	1	✱	8082A	Total/NA
Aluminum	133000		79.1	34.8	mg/Kg	5	✱	6010C	Total/NA
Antimony	33.9	J	119	3.2	mg/Kg	5	✱	6010C	Total/NA
Arsenic	22.5		3.2	0.63	mg/Kg	1	✱	6010C	Total/NA
Barium	1150		0.79	0.17	mg/Kg	1	✱	6010C	Total/NA
Beryllium	3.5		0.32	0.044	mg/Kg	1	✱	6010C	Total/NA
Cadmium	83.1		1.6	0.24	mg/Kg	5	✱	6010C	Total/NA
Calcium	3270	B	79.1	5.2	mg/Kg	1	✱	6010C	Total/NA
Chromium	316		0.79	0.32	mg/Kg	1	✱	6010C	Total/NA
Cobalt	23.1		0.79	0.079	mg/Kg	1	✱	6010C	Total/NA
Copper	2510		1.6	0.33	mg/Kg	1	✱	6010C	Total/NA
Iron	237000		79.1	27.7	mg/Kg	5	✱	6010C	Total/NA
Lead	2730		7.9	1.9	mg/Kg	5	✱	6010C	Total/NA
Magnesium	3490		31.6	1.5	mg/Kg	1	✱	6010C	Total/NA
Manganese	1640	B	1.6	0.25	mg/Kg	5	✱	6010C	Total/NA
Nickel	287		39.6	1.8	mg/Kg	5	✱	6010C	Total/NA
Potassium	726		47.5	31.6	mg/Kg	1	✱	6010C	Total/NA
Selenium	76.0		31.6	3.2	mg/Kg	5	✱	6010C	Total/NA
Silver	10.1		4.7	1.6	mg/Kg	5	✱	6010C	Total/NA
Sodium	147	J	221	20.6	mg/Kg	1	✱	6010C	Total/NA
Vanadium	51.8		4.0	0.87	mg/Kg	5	✱	6010C	Total/NA
Zinc	8840		15.8	5.1	mg/Kg	5	✱	6010C	Total/NA
Barium	1.9		1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.19		0.0020	0.00050	mg/L	1		6010C	TCLP
Chromium	0.022		0.020	0.010	mg/L	1		6010C	TCLP
Lead	4.7		0.020	0.0030	mg/L	1		6010C	TCLP
Hg	5.2		0.17	0.068	mg/Kg	5	✱	7471B	Total/NA

Client Sample ID: NW Main Building Vault

Lab Sample ID: 480-147244-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Methyl-2-pentanone (MIBK)	920	J	4100	260	ug/Kg	4	✱	8260C	Total/NA
Acetone	42000		4100	3400	ug/Kg	4	✱	8260C	Total/NA
PCB-1248	1.2		0.39	0.077	mg/Kg	1	✱	8082A	Total/NA
Aluminum	1670		17.0	7.5	mg/Kg	1	✱	6010C	Total/NA
Antimony	4.5	J	127	3.4	mg/Kg	5	✱	6010C	Total/NA
Arsenic	13.8		3.4	0.68	mg/Kg	1	✱	6010C	Total/NA
Barium	120		0.85	0.19	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.092	J	0.34	0.048	mg/Kg	1	✱	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: NW Main Building Vault (Continued)

Lab Sample ID: 480-147244-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Cadmium	1.8		1.7	0.25	mg/Kg	5		✱	6010C	Total/NA
Calcium	38800	B	84.9	5.6	mg/Kg	1		✱	6010C	Total/NA
Chromium	132		0.85	0.34	mg/Kg	1		✱	6010C	Total/NA
Cobalt	10.2		0.85	0.085	mg/Kg	1		✱	6010C	Total/NA
Copper	182		1.7	0.36	mg/Kg	1		✱	6010C	Total/NA
Iron	106000		84.9	29.7	mg/Kg	5		✱	6010C	Total/NA
Lead	135		8.5	2.0	mg/Kg	5		✱	6010C	Total/NA
Magnesium	2130		34.0	1.6	mg/Kg	1		✱	6010C	Total/NA
Manganese	882	B	1.7	0.27	mg/Kg	5		✱	6010C	Total/NA
Nickel	80.0		42.5	2.0	mg/Kg	5		✱	6010C	Total/NA
Potassium	391		51.0	34.0	mg/Kg	1		✱	6010C	Total/NA
Sodium	214	J	238	22.1	mg/Kg	1		✱	6010C	Total/NA
Vanadium	13.7		4.2	0.93	mg/Kg	5		✱	6010C	Total/NA
Zinc	847		3.4	1.1	mg/Kg	1		✱	6010C	Total/NA
Barium	0.95	J	1.0	0.10	mg/L	1			6010C	TCLP
Lead	0.012	J	0.020	0.0030	mg/L	1			6010C	TCLP
Hg	0.052		0.031	0.012	mg/Kg	1		✱	7471B	Total/NA

Client Sample ID: Pigeon Room Wood Block Base

Lab Sample ID: 480-147244-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acenaphthene	4200	J	18000	2600	ug/Kg	5		✱	8270D	Total/NA
Acenaphthylene	8300	J	18000	2300	ug/Kg	5		✱	8270D	Total/NA
Anthracene	12000	J	18000	4300	ug/Kg	5		✱	8270D	Total/NA
Benzo[a]anthracene	51000		18000	1800	ug/Kg	5		✱	8270D	Total/NA
Benzo[a]pyrene	56000		18000	2600	ug/Kg	5		✱	8270D	Total/NA
Benzo[b]fluoranthene	83000		18000	2800	ug/Kg	5		✱	8270D	Total/NA
Benzo[g,h,i]perylene	53000		18000	1900	ug/Kg	5		✱	8270D	Total/NA
Benzo[k]fluoranthene	35000		18000	2300	ug/Kg	5		✱	8270D	Total/NA
Carbazole	4200	J	18000	2100	ug/Kg	5		✱	8270D	Total/NA
Chrysene	60000		18000	3900	ug/Kg	5		✱	8270D	Total/NA
Dibenzofuran	2200	J	18000	2100	ug/Kg	5		✱	8270D	Total/NA
Fluoranthene	86000		18000	1900	ug/Kg	5		✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	41000		18000	2200	ug/Kg	5		✱	8270D	Total/NA
Naphthalene	3600	J	18000	2300	ug/Kg	5		✱	8270D	Total/NA
Phenanthrene	33000		18000	2600	ug/Kg	5		✱	8270D	Total/NA
Pyrene	100000		18000	2100	ug/Kg	5		✱	8270D	Total/NA
PCB-1254	0.53		0.27	0.13	mg/Kg	1		✱	8082A	Total/NA
Aluminum	7480		14.0	6.1	mg/Kg	1		✱	6010C	Total/NA
Antimony	19.6	J	209	5.6	mg/Kg	10		✱	6010C	Total/NA
Arsenic	38.0		2.8	0.56	mg/Kg	1		✱	6010C	Total/NA
Barium	2620		3.5	0.77	mg/Kg	5		✱	6010C	Total/NA
Beryllium	0.58		0.28	0.039	mg/Kg	1		✱	6010C	Total/NA
Cadmium	16.3		2.8	0.42	mg/Kg	10		✱	6010C	Total/NA
Calcium	10600	B	69.8	4.6	mg/Kg	1		✱	6010C	Total/NA
Chromium	624		0.70	0.28	mg/Kg	1		✱	6010C	Total/NA
Cobalt	39.4		0.70	0.070	mg/Kg	1		✱	6010C	Total/NA
Copper	557		1.4	0.29	mg/Kg	1		✱	6010C	Total/NA
Iron	410000		140	48.8	mg/Kg	10		✱	6010C	Total/NA
Lead	668	^	14.0	3.3	mg/Kg	10		✱	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: Pigeon Room Wood Block Base (Continued)

Lab Sample ID: 480-147244-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Magnesium	4460		27.9	1.3	mg/Kg	1	✱		6010C	Total/NA
Manganese	3310	B	2.8	0.45	mg/Kg	10	✱		6010C	Total/NA
Nickel	829		69.8	3.2	mg/Kg	10	✱		6010C	Total/NA
Potassium	1120		41.9	27.9	mg/Kg	1	✱		6010C	Total/NA
Selenium	1.5	J	5.6	0.56	mg/Kg	1	✱		6010C	Total/NA
Sodium	155	J	195	18.1	mg/Kg	1	✱		6010C	Total/NA
Vanadium	46.5		7.0	1.5	mg/Kg	10	✱		6010C	Total/NA
Zinc	937		2.8	0.89	mg/Kg	1	✱		6010C	Total/NA
Barium	1.3		1.0	0.10	mg/L	1			6010C	TCLP
Cadmium	0.071		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.010	J	0.020	0.010	mg/L	1			6010C	TCLP
Lead	0.073		0.020	0.0030	mg/L	1			6010C	TCLP
Hg	0.14		0.029	0.012	mg/Kg	1	✱		7471B	Total/NA

Client Sample ID: Far Back Room Wood Blocks

Lab Sample ID: 480-147244-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acenaphthene	4100	J	20000	3000	ug/Kg	5	✱		8270D	Total/NA
Acenaphthylene	14000	J	20000	2600	ug/Kg	5	✱		8270D	Total/NA
Anthracene	27000		20000	5000	ug/Kg	5	✱		8270D	Total/NA
Benzo[a]anthracene	130000		20000	2000	ug/Kg	5	✱		8270D	Total/NA
Benzo[a]pyrene	120000		20000	3000	ug/Kg	5	✱		8270D	Total/NA
Benzo[b]fluoranthene	150000		20000	3200	ug/Kg	5	✱		8270D	Total/NA
Benzo[g,h,i]perylene	73000		20000	2100	ug/Kg	5	✱		8270D	Total/NA
Benzo[k]fluoranthene	81000		20000	2600	ug/Kg	5	✱		8270D	Total/NA
Bis(2-ethylhexyl) phthalate	12000	J	20000	6900	ug/Kg	5	✱		8270D	Total/NA
Carbazole	4000	J	20000	2400	ug/Kg	5	✱		8270D	Total/NA
Chrysene	130000		20000	4500	ug/Kg	5	✱		8270D	Total/NA
Fluoranthene	340000		20000	2100	ug/Kg	5	✱		8270D	Total/NA
Fluorene	7900	J	20000	2400	ug/Kg	5	✱		8270D	Total/NA
Indeno[1,2,3-cd]pyrene	67000		20000	2500	ug/Kg	5	✱		8270D	Total/NA
Phenanthrene	110000		20000	3000	ug/Kg	5	✱		8270D	Total/NA
Pyrene	290000		20000	2400	ug/Kg	5	✱		8270D	Total/NA
gamma-BHC (Lindane)	0.00011	J	0.00040	0.000012	mg/L	2			8081B	TCLP
PCB-1254	1.3		0.30	0.14	mg/Kg	1	✱		8082A	Total/NA
Aluminum	91.7		16.5	7.3	mg/Kg	1	✱		6010C	Total/NA
Antimony	0.94	J	24.7	0.66	mg/Kg	1	✱		6010C	Total/NA
Arsenic	1.5	J	3.3	0.66	mg/Kg	1	✱		6010C	Total/NA
Barium	61.2		0.82	0.18	mg/Kg	1	✱		6010C	Total/NA
Cadmium	0.39		0.33	0.049	mg/Kg	1	✱		6010C	Total/NA
Calcium	2170	B	82.5	5.4	mg/Kg	1	✱		6010C	Total/NA
Chromium	4.7		0.82	0.33	mg/Kg	1	✱		6010C	Total/NA
Cobalt	0.71	J	0.82	0.082	mg/Kg	1	✱		6010C	Total/NA
Copper	32.8		1.6	0.35	mg/Kg	1	✱		6010C	Total/NA
Iron	23300		16.5	5.8	mg/Kg	1	✱		6010C	Total/NA
Lead	26.1		1.6	0.40	mg/Kg	1	✱		6010C	Total/NA
Magnesium	175		33.0	1.5	mg/Kg	1	✱		6010C	Total/NA
Manganese	114	B	0.33	0.053	mg/Kg	1	✱		6010C	Total/NA
Nickel	23.7		8.2	0.38	mg/Kg	1	✱		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: Far Back Room Wood Blocks (Continued)

Lab Sample ID: 480-147244-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Potassium	273		49.5	33.0	mg/Kg	1		☼	6010C	Total/NA
Selenium	0.96	J	6.6	0.66	mg/Kg	1		☼	6010C	Total/NA
Sodium	248		231	21.4	mg/Kg	1		☼	6010C	Total/NA
Vanadium	0.37	J	0.82	0.18	mg/Kg	1		☼	6010C	Total/NA
Zinc	56.4		3.3	1.1	mg/Kg	1		☼	6010C	Total/NA
Arsenic	0.0058	J	0.015	0.0056	mg/L	1			6010C	TCLP
Barium	1.4		1.0	0.10	mg/L	1			6010C	TCLP
Cadmium	0.0046		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.019	J	0.020	0.010	mg/L	1			6010C	TCLP
Lead	0.018	J	0.020	0.0030	mg/L	1			6010C	TCLP
Hg	0.071		0.028	0.012	mg/Kg	1		☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: Blending Room Drainage Trench

Lab Sample ID: 480-147244-1

Date Collected: 12/19/18 11:45

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 61.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	8.1	0.59	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
1,1,2,2-Tetrachloroethane	ND	vs	8.1	1.3	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
1,1,2-Trichloroethane	ND	vs	8.1	1.0	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	8.1	1.8	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
1,1-Dichloroethane	ND	vs	8.1	0.98	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
1,1-Dichloroethene	ND	vs	8.1	0.99	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
1,2,4-Trichlorobenzene	ND	vs	8.1	0.49	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
1,2-Dibromo-3-Chloropropane	ND	vs	8.1	4.0	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
1,2-Dichlorobenzene	ND	vs	8.1	0.63	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
1,2-Dichloroethane	ND	vs	8.1	0.41	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
1,2-Dichloropropane	ND	vs	8.1	4.0	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
1,3-Dichlorobenzene	ND	vs	8.1	0.41	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
1,4-Dichlorobenzene	ND	vs	8.1	1.1	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
2-Butanone (MEK)	ND	vs	40	3.0	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
2-Hexanone	ND	vs	40	4.0	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
4-Methyl-2-pentanone (MIBK)	ND	vs	40	2.6	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Acetone	ND	vs	40	6.8	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Benzene	ND	vs	8.1	0.40	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Bromodichloromethane	ND	vs	8.1	1.1	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Bromoform	ND	vs	8.1	4.0	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Bromomethane	ND	vs	8.1	0.73	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Carbon disulfide	ND	vs	8.1	4.0	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Carbon tetrachloride	ND	vs	8.1	0.78	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Chlorobenzene	ND	vs	8.1	1.1	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Dibromochloromethane	ND	vs	8.1	1.0	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Chloroethane	ND	vs	8.1	1.8	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Chloroform	ND	vs	8.1	0.50	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Chloromethane	ND	vs	8.1	0.49	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
cis-1,2-Dichloroethene	ND	vs	8.1	1.0	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
cis-1,3-Dichloropropene	ND	vs	8.1	1.2	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Cyclohexane	ND	vs	8.1	1.1	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Dichlorodifluoromethane	ND	vs	8.1	0.67	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Ethylbenzene	ND	vs	8.1	0.56	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
1,2-Dibromoethane	ND	vs	8.1	1.0	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Isopropylbenzene	ND	vs	8.1	1.2	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Methyl acetate	ND	vs	40	4.9	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Methyl tert-butyl ether	ND	vs	8.1	0.79	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Methylcyclohexane	ND	vs	8.1	1.2	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Methylene Chloride	ND	vs	8.1	3.7	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Styrene	ND	vs	8.1	0.40	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Tetrachloroethene	ND	vs	8.1	1.1	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Toluene	ND	vs	8.1	0.61	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
trans-1,2-Dichloroethene	ND	vs	8.1	0.83	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
trans-1,3-Dichloropropene	ND	vs	8.1	3.6	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Trichloroethene	ND	vs	8.1	1.8	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Trichlorofluoromethane	ND	vs	8.1	0.76	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Vinyl chloride	ND	vs	8.1	0.98	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1
Xylenes, Total	ND	vs	16	1.4	ug/Kg	☼	12/26/18 12:54	12/26/18 17:07	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: Blending Room Drainage Trench

Lab Sample ID: 480-147244-1

Date Collected: 12/19/18 11:45

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 61.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		71 - 125	12/26/18 12:54	12/26/18 17:07	1
1,2-Dichloroethane-d4 (Surr)	108		64 - 126	12/26/18 12:54	12/26/18 17:07	1
4-Bromofluorobenzene (Surr)	104		72 - 126	12/26/18 12:54	12/26/18 17:07	1
Dibromofluoromethane (Surr)	113		60 - 140	12/26/18 12:54	12/26/18 17:07	1

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.010	0.0021	mg/L	-		12/28/18 15:07	10
2-Butanone (MEK)	ND	*	0.050	0.013	mg/L			12/28/18 15:07	10
Benzene	ND		0.010	0.0041	mg/L			12/28/18 15:07	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			12/28/18 15:07	10
Chlorobenzene	ND		0.010	0.0075	mg/L			12/28/18 15:07	10
Chloroform	ND		0.010	0.0034	mg/L			12/28/18 15:07	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			12/28/18 15:07	10
Trichloroethene	ND		0.010	0.0046	mg/L			12/28/18 15:07	10
Vinyl chloride	ND		0.010	0.0090	mg/L			12/28/18 15:07	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			12/28/18 15:07	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		12/28/18 15:07	10
4-Bromofluorobenzene (Surr)	106		73 - 120		12/28/18 15:07	10
Toluene-d8 (Surr)	99		80 - 120		12/28/18 15:07	10
Dibromofluoromethane (Surr)	110		75 - 123		12/28/18 15:07	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		21000	5600	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
2,4,6-Trichlorophenol	ND		21000	4100	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
2,4-Dichlorophenol	ND		21000	2200	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
2,4-Dimethylphenol	ND		21000	5000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
2,4-Dinitrophenol	ND		200000	95000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
2,4-Dinitrotoluene	ND		21000	4200	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
2,6-Dinitrotoluene	ND		21000	2400	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
2-Chloronaphthalene	ND		21000	3400	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
2-Chlorophenol	ND		21000	3800	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
2-Methylnaphthalene	ND		21000	4100	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
2-Methylphenol	ND		21000	2400	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
2-Nitroaniline	ND		40000	3000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
2-Nitrophenol	ND		21000	5800	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
3,3'-Dichlorobenzidine	ND		40000	24000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
3-Nitroaniline	ND		40000	5700	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
4,6-Dinitro-2-methylphenol	ND		40000	21000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
4-Bromophenyl phenyl ether	ND		21000	2900	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
4-Chloro-3-methylphenol	ND		21000	5100	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
4-Chloroaniline	ND		21000	5100	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
4-Chlorophenyl phenyl ether	ND		21000	2500	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Methylphenol, 3 & 4	ND		40000	2400	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
4-Nitroaniline	ND		40000	11000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
4-Nitrophenol	ND		40000	14000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Acenaphthene	ND		21000	3000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: Blending Room Drainage Trench

Lab Sample ID: 480-147244-1

Date Collected: 12/19/18 11:45

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 61.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		21000	2700	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Acetophenone	ND		21000	2800	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Anthracene	ND		21000	5100	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Atrazine	ND		21000	7100	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Benzaldehyde	ND		21000	16000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Benzo[a]anthracene	6200	J	21000	2100	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Benzo[a]pyrene	5100	J	21000	3000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Benzo[b]fluoranthene	9200	J	21000	3300	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Benzo[g,h,i]perylene	7800	J	21000	2200	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Benzo[k]fluoranthene	3800	J	21000	2700	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Biphenyl	ND		21000	3000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
bis (2-chloroisopropyl) ether	ND		21000	4100	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Bis(2-chloroethoxy)methane	ND		21000	4400	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Bis(2-chloroethyl)ether	ND		21000	2700	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Bis(2-ethylhexyl) phthalate	11000	J	21000	7000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Butyl benzyl phthalate	ND		21000	3400	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Caprolactam	ND		21000	6200	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Carbazole	ND		21000	2400	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Chrysene	6000	J	21000	4600	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Dibenz(a,h)anthracene	ND		21000	3600	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Dibenzofuran	ND		21000	2400	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Diethyl phthalate	ND		21000	2700	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Dimethyl phthalate	ND		21000	2400	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Di-n-butyl phthalate	ND		21000	3500	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Di-n-octyl phthalate	ND		21000	2400	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Fluoranthene	12000	J	21000	2200	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Fluorene	ND		21000	2400	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Hexachlorobenzene	ND		21000	2800	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Hexachlorobutadiene	ND		21000	3000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Hexachlorocyclopentadiene	ND		21000	2800	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Hexachloroethane	ND		21000	2700	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Indeno[1,2,3-cd]pyrene	6700	J	21000	2500	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Isophorone	ND		21000	4400	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Naphthalene	ND		21000	2700	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Nitrobenzene	ND		21000	2300	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
N-Nitrosodi-n-propylamine	ND		21000	3500	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
N-Nitrosodiphenylamine	ND		21000	17000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Pentachlorophenol	ND		40000	21000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Phenanthrene	8300	J	21000	3000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Phenol	ND		21000	3100	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5
Pyrene	8200	J	21000	2400	ug/Kg	☼	12/29/18 10:32	01/08/19 07:26	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	0	X	54 - 120	12/29/18 10:32	01/08/19 07:26	5
2-Fluorobiphenyl	0	X	60 - 120	12/29/18 10:32	01/08/19 07:26	5
2-Fluorophenol (Surr)	0	X	52 - 120	12/29/18 10:32	01/08/19 07:26	5
Nitrobenzene-d5 (Surr)	0	X	53 - 120	12/29/18 10:32	01/08/19 07:26	5
Phenol-d5 (Surr)	0	X	54 - 120	12/29/18 10:32	01/08/19 07:26	5
p-Terphenyl-d14 (Surr)	0	X	65 - 121	12/29/18 10:32	01/08/19 07:26	5

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: Blending Room Drainage Trench

Lab Sample ID: 480-147244-1

Date Collected: 12/19/18 11:45

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 61.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		12/28/18 15:48	12/31/18 21:42	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		12/28/18 15:48	12/31/18 21:42	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		12/28/18 15:48	12/31/18 21:42	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		12/28/18 15:48	12/31/18 21:42	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		12/28/18 15:48	12/31/18 21:42	1
3-Methylphenol	ND		0.010	0.00040	mg/L		12/28/18 15:48	12/31/18 21:42	1
4-Methylphenol	ND		0.010	0.00036	mg/L		12/28/18 15:48	12/31/18 21:42	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		12/28/18 15:48	12/31/18 21:42	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		12/28/18 15:48	12/31/18 21:42	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		12/28/18 15:48	12/31/18 21:42	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		12/28/18 15:48	12/31/18 21:42	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		12/28/18 15:48	12/31/18 21:42	1
Pyridine	ND		0.025	0.00041	mg/L		12/28/18 15:48	12/31/18 21:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		41 - 120	12/28/18 15:48	12/31/18 21:42	1
2-Fluorobiphenyl	86		48 - 120	12/28/18 15:48	12/31/18 21:42	1
2-Fluorophenol (Surr)	43		35 - 120	12/28/18 15:48	12/31/18 21:42	1
Nitrobenzene-d5 (Surr)	77		46 - 120	12/28/18 15:48	12/31/18 21:42	1
p-Terphenyl-d14 (Surr)	102		59 - 136	12/28/18 15:48	12/31/18 21:42	1
Phenol-d5 (Surr)	33		22 - 120	12/28/18 15:48	12/31/18 21:42	1

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0020	0.000029	mg/L		12/28/18 10:28	12/31/18 13:24	1
Endrin	ND		0.00020	0.000014	mg/L		12/28/18 10:28	12/31/18 13:24	1
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		12/28/18 10:28	12/31/18 13:24	1
Heptachlor	ND		0.00020	0.0000085	mg/L		12/28/18 10:28	12/31/18 13:24	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		12/28/18 10:28	12/31/18 13:24	1
Methoxychlor	ND		0.00020	0.000014	mg/L		12/28/18 10:28	12/31/18 13:24	1
Toxaphene	ND		0.0020	0.00012	mg/L		12/28/18 10:28	12/31/18 13:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	72		20 - 120	12/28/18 10:28	12/31/18 13:24	1
DCB Decachlorobiphenyl	84		20 - 120	12/28/18 10:28	12/31/18 13:24	1
Tetrachloro-m-xylene	85		44 - 120	12/28/18 10:28	12/31/18 13:24	1
Tetrachloro-m-xylene	71		44 - 120	12/28/18 10:28	12/31/18 13:24	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.37	0.073	mg/Kg	☼	01/03/19 14:18	01/04/19 17:31	1
PCB-1221	ND		0.37	0.073	mg/Kg	☼	01/03/19 14:18	01/04/19 17:31	1
PCB-1232	ND		0.37	0.073	mg/Kg	☼	01/03/19 14:18	01/04/19 17:31	1
PCB-1242	ND		0.37	0.073	mg/Kg	☼	01/03/19 14:18	01/04/19 17:31	1
PCB-1248	ND		0.37	0.073	mg/Kg	☼	01/03/19 14:18	01/04/19 17:31	1
PCB-1254	1.2		0.37	0.17	mg/Kg	☼	01/03/19 14:18	01/04/19 17:31	1
PCB-1260	ND		0.37	0.17	mg/Kg	☼	01/03/19 14:18	01/04/19 17:31	1
PCB-1262	ND		0.37	0.17	mg/Kg	☼	01/03/19 14:18	01/04/19 17:31	1
PCB-1268	ND		0.37	0.17	mg/Kg	☼	01/03/19 14:18	01/04/19 17:31	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: Blending Room Drainage Trench

Lab Sample ID: 480-147244-1

Date Collected: 12/19/18 11:45

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 61.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	79		60 - 154	01/03/19 14:18	01/04/19 17:31	1
Tetrachloro-m-xylene	75		60 - 154	01/03/19 14:18	01/04/19 17:31	1
DCB Decachlorobiphenyl	74		65 - 174	01/03/19 14:18	01/04/19 17:31	1
DCB Decachlorobiphenyl	151		65 - 174	01/03/19 14:18	01/04/19 17:31	1

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		12/28/18 10:20	01/12/19 01:50	1
2,4-D	ND		0.0020	0.00040	mg/L		12/28/18 10:20	01/12/19 01:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	52		48 - 132				12/28/18 10:20	01/12/19 01:50	1
2,4-Dichlorophenylacetic acid	37	X	48 - 132				12/28/18 10:20	01/12/19 01:50	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	133000		79.1	34.8	mg/Kg	☼	12/31/18 08:29	01/03/19 11:16	5
Antimony	33.9	J	119	3.2	mg/Kg	☼	12/31/18 08:29	01/03/19 11:16	5
Arsenic	22.5		3.2	0.63	mg/Kg	☼	12/31/18 08:29	01/03/19 11:12	1
Barium	1150		0.79	0.17	mg/Kg	☼	12/31/18 08:29	01/03/19 11:12	1
Beryllium	3.5		0.32	0.044	mg/Kg	☼	12/31/18 08:29	01/03/19 11:12	1
Cadmium	83.1		1.6	0.24	mg/Kg	☼	12/31/18 08:29	01/03/19 11:16	5
Calcium	3270	B	79.1	5.2	mg/Kg	☼	12/31/18 08:29	01/03/19 11:12	1
Chromium	316		0.79	0.32	mg/Kg	☼	12/31/18 08:29	01/03/19 11:12	1
Cobalt	23.1		0.79	0.079	mg/Kg	☼	12/31/18 08:29	01/03/19 11:12	1
Copper	2510		1.6	0.33	mg/Kg	☼	12/31/18 08:29	01/03/19 11:12	1
Iron	237000		79.1	27.7	mg/Kg	☼	12/31/18 08:29	01/03/19 11:16	5
Lead	2730		7.9	1.9	mg/Kg	☼	12/31/18 08:29	01/03/19 11:16	5
Magnesium	3490		31.6	1.5	mg/Kg	☼	12/31/18 08:29	01/03/19 11:12	1
Manganese	1640	B	1.6	0.25	mg/Kg	☼	12/31/18 08:29	01/03/19 11:16	5
Nickel	287		39.6	1.8	mg/Kg	☼	12/31/18 08:29	01/03/19 11:16	5
Potassium	726		47.5	31.6	mg/Kg	☼	12/31/18 08:29	01/03/19 11:12	1
Selenium	76.0		31.6	3.2	mg/Kg	☼	12/31/18 08:29	01/03/19 11:16	5
Silver	10.1		4.7	1.6	mg/Kg	☼	12/31/18 08:29	01/03/19 11:16	5
Sodium	147	J	221	20.6	mg/Kg	☼	12/31/18 08:29	01/03/19 11:12	1
Thallium	ND		9.5	0.47	mg/Kg	☼	12/31/18 08:29	01/03/19 11:12	1
Vanadium	51.8		4.0	0.87	mg/Kg	☼	12/31/18 08:29	01/03/19 11:16	5
Zinc	8840		15.8	5.1	mg/Kg	☼	12/31/18 08:29	01/03/19 11:16	5

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		12/28/18 10:03	12/28/18 19:41	1
Barium	1.9		1.0	0.10	mg/L		12/28/18 10:03	12/28/18 19:41	1
Cadmium	0.19		0.0020	0.00050	mg/L		12/28/18 10:03	12/28/18 19:41	1
Chromium	0.022		0.020	0.010	mg/L		12/28/18 10:03	12/28/18 19:41	1
Lead	4.7		0.020	0.0030	mg/L		12/28/18 10:03	12/28/18 19:41	1
Selenium	ND		0.025	0.0087	mg/L		12/28/18 10:03	12/28/18 19:41	1
Silver	ND		0.0060	0.0017	mg/L		12/28/18 10:03	12/28/18 19:41	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: Blending Room Drainage Trench

Lab Sample ID: 480-147244-1

Date Collected: 12/19/18 11:45

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 61.7

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	—	12/28/18 11:20	12/28/18 14:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	5.2		0.17	0.068	mg/Kg	☼	01/02/19 12:15	01/02/19 13:52	5

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: NW Main Building Vault

Lab Sample ID: 480-147244-2

Date Collected: 12/19/18 12:50

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 58.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		820	230	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
1,1,2,2-Tetrachloroethane	ND		820	130	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
1,1,2-Trichloroethane	ND		820	170	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		820	410	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
1,1-Dichloroethane	ND		820	250	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
1,1-Dichloroethene	ND		820	280	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
1,2,4-Trichlorobenzene	ND		820	310	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
1,2-Dibromo-3-Chloropropane	ND		820	410	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
1,2-Dichlorobenzene	ND		820	210	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
1,2-Dichloroethane	ND		820	330	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
1,2-Dichloropropane	ND		820	130	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
1,3-Dichlorobenzene	ND		820	220	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
1,4-Dichlorobenzene	ND		820	110	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
2-Butanone (MEK)	ND		4100	2400	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
2-Hexanone	ND		4100	1700	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
4-Methyl-2-pentanone (MIBK)	920	J	4100	260	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Acetone	42000		4100	3400	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Benzene	ND		820	160	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Bromodichloromethane	ND		820	160	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Bromoform	ND		820	410	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Bromomethane	ND		820	180	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Carbon disulfide	ND		820	370	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Carbon tetrachloride	ND		820	210	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Chlorobenzene	ND		820	110	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Dibromochloromethane	ND		820	400	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Chloroethane	ND		820	170	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Chloroform	ND		820	560	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Chloromethane	ND		820	190	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
cis-1,2-Dichloroethene	ND		820	230	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
cis-1,3-Dichloropropene	ND		820	200	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Cyclohexane	ND		820	180	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Dichlorodifluoromethane	ND		820	360	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Ethylbenzene	ND		820	240	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
1,2-Dibromoethane	ND		820	140	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Isopropylbenzene	ND		820	120	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Methyl acetate	ND		4100	390	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Methyl tert-butyl ether	ND		820	310	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Methylcyclohexane	ND		820	380	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Methylene Chloride	ND		820	160	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Styrene	ND		820	200	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Tetrachloroethene	ND		820	110	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Toluene	ND		820	220	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
trans-1,2-Dichloroethene	ND		820	190	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
trans-1,3-Dichloropropene	ND		820	80	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Trichloroethene	ND		820	230	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Trichlorofluoromethane	ND		820	380	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Vinyl chloride	ND		820	270	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4
Xylenes, Total	ND		1600	450	ug/Kg	☼	12/26/18 14:44	12/27/18 12:07	4

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: NW Main Building Vault

Lab Sample ID: 480-147244-2

Date Collected: 12/19/18 12:50

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 58.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	79		50 - 149	12/26/18 14:44	12/27/18 12:07	4
1,2-Dichloroethane-d4 (Surr)	78		53 - 146	12/26/18 14:44	12/27/18 12:07	4
4-Bromofluorobenzene (Surr)	100		49 - 148	12/26/18 14:44	12/27/18 12:07	4
Dibromofluoromethane (Surr)	82		60 - 140	12/26/18 14:44	12/27/18 12:07	4

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.020	0.0042	mg/L			12/28/18 15:31	20
2-Butanone (MEK)	ND	*	0.10	0.026	mg/L			12/28/18 15:31	20
Benzene	ND		0.020	0.0082	mg/L			12/28/18 15:31	20
Carbon tetrachloride	ND		0.020	0.0054	mg/L			12/28/18 15:31	20
Chlorobenzene	ND		0.020	0.015	mg/L			12/28/18 15:31	20
Chloroform	ND		0.020	0.0068	mg/L			12/28/18 15:31	20
Tetrachloroethene	ND		0.020	0.0072	mg/L			12/28/18 15:31	20
Trichloroethene	ND		0.020	0.0092	mg/L			12/28/18 15:31	20
Vinyl chloride	ND		0.020	0.018	mg/L			12/28/18 15:31	20
1,1-Dichloroethene	ND		0.020	0.0058	mg/L			12/28/18 15:31	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		12/28/18 15:31	20
4-Bromofluorobenzene (Surr)	105		73 - 120		12/28/18 15:31	20
Toluene-d8 (Surr)	97		80 - 120		12/28/18 15:31	20
Dibromofluoromethane (Surr)	109		75 - 123		12/28/18 15:31	20

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		250000	67000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
2,4,6-Trichlorophenol	ND		250000	50000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
2,4-Dichlorophenol	ND		250000	26000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
2,4-Dimethylphenol	ND		250000	60000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
2,4-Dinitrophenol	ND		2400000	1100000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
2,4-Dinitrotoluene	ND		250000	51000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
2,6-Dinitrotoluene	ND		250000	29000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
2-Chloronaphthalene	ND		250000	41000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
2-Chlorophenol	ND		250000	45000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
2-Methylnaphthalene	ND		250000	50000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
2-Methylphenol	ND		250000	29000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
2-Nitroaniline	ND		480000	36000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
2-Nitrophenol	ND		250000	70000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
3,3'-Dichlorobenzidine	ND		480000	290000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
3-Nitroaniline	ND		480000	68000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
4,6-Dinitro-2-methylphenol	ND		480000	250000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
4-Bromophenyl phenyl ether	ND		250000	35000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
4-Chloro-3-methylphenol	ND		250000	61000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
4-Chloroaniline	ND		250000	61000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
4-Chlorophenyl phenyl ether	ND		250000	31000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Methylphenol, 3 & 4	ND		480000	29000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
4-Nitroaniline	ND		480000	130000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
4-Nitrophenol	ND		480000	170000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Acenaphthene	ND		250000	36000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: NW Main Building Vault

Lab Sample ID: 480-147244-2

Date Collected: 12/19/18 12:50

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 58.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		250000	32000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Acetophenone	ND		250000	33000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Anthracene	ND		250000	61000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Atrazine	ND		250000	86000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Benzaldehyde	ND		250000	200000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Benzo[a]anthracene	ND		250000	25000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Benzo[a]pyrene	ND		250000	36000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Benzo[b]fluoranthene	ND		250000	39000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Benzo[g,h,i]perylene	ND		250000	26000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Benzo[k]fluoranthene	ND		250000	32000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Biphenyl	ND		250000	36000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
bis (2-chloroisopropyl) ether	ND		250000	50000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Bis(2-chloroethoxy)methane	ND		250000	52000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Bis(2-chloroethyl)ether	ND		250000	32000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Bis(2-ethylhexyl) phthalate	ND		250000	84000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Butyl benzyl phthalate	ND		250000	41000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Caprolactam	ND		250000	74000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Carbazole	ND		250000	29000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Chrysene	ND		250000	55000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Dibenz(a,h)anthracene	ND		250000	44000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Dibenzofuran	ND		250000	29000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Diethyl phthalate	ND		250000	32000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Dimethyl phthalate	ND		250000	29000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Di-n-butyl phthalate	ND		250000	42000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Di-n-octyl phthalate	ND		250000	29000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Fluoranthene	ND		250000	26000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Fluorene	ND		250000	29000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Hexachlorobenzene	ND		250000	33000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Hexachlorobutadiene	ND		250000	36000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Hexachlorocyclopentadiene	ND		250000	33000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Hexachloroethane	ND		250000	32000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Indeno[1,2,3-cd]pyrene	ND		250000	31000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Isophorone	ND		250000	52000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Naphthalene	ND		250000	32000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Nitrobenzene	ND		250000	28000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
N-Nitrosodi-n-propylamine	ND		250000	42000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
N-Nitrosodiphenylamine	ND		250000	200000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Pentachlorophenol	ND		480000	250000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Phenanthrene	ND		250000	36000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Phenol	ND		250000	38000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20
Pyrene	ND		250000	29000	ug/Kg	☼	12/29/18 10:32	01/08/19 07:51	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	0	X	54 - 120	12/29/18 10:32	01/08/19 07:51	20
2-Fluorobiphenyl	0	X	60 - 120	12/29/18 10:32	01/08/19 07:51	20
2-Fluorophenol (Surr)	0	X	52 - 120	12/29/18 10:32	01/08/19 07:51	20
Nitrobenzene-d5 (Surr)	0	X	53 - 120	12/29/18 10:32	01/08/19 07:51	20
Phenol-d5 (Surr)	0	X	54 - 120	12/29/18 10:32	01/08/19 07:51	20
p-Terphenyl-d14 (Surr)	0	X	65 - 121	12/29/18 10:32	01/08/19 07:51	20

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: NW Main Building Vault

Lab Sample ID: 480-147244-2

Date Collected: 12/19/18 12:50

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 58.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.025	0.0012	mg/L		12/28/18 15:48	12/31/18 22:07	1
2,4-Dinitrotoluene	ND		0.013	0.0011	mg/L		12/28/18 15:48	12/31/18 22:07	1
2,4,5-Trichlorophenol	ND		0.013	0.0012	mg/L		12/28/18 15:48	12/31/18 22:07	1
2,4,6-Trichlorophenol	ND		0.013	0.0015	mg/L		12/28/18 15:48	12/31/18 22:07	1
2-Methylphenol	ND		0.013	0.0010	mg/L		12/28/18 15:48	12/31/18 22:07	1
3-Methylphenol	ND		0.025	0.0010	mg/L		12/28/18 15:48	12/31/18 22:07	1
4-Methylphenol	ND		0.025	0.00090	mg/L		12/28/18 15:48	12/31/18 22:07	1
Hexachlorobenzene	ND		0.013	0.0013	mg/L		12/28/18 15:48	12/31/18 22:07	1
Hexachlorobutadiene	ND		0.013	0.0017	mg/L		12/28/18 15:48	12/31/18 22:07	1
Hexachloroethane	ND		0.013	0.0015	mg/L		12/28/18 15:48	12/31/18 22:07	1
Nitrobenzene	ND		0.013	0.00073	mg/L		12/28/18 15:48	12/31/18 22:07	1
Pentachlorophenol	ND		0.025	0.0055	mg/L		12/28/18 15:48	12/31/18 22:07	1
Pyridine	ND		0.063	0.0010	mg/L		12/28/18 15:48	12/31/18 22:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	87		41 - 120	12/28/18 15:48	12/31/18 22:07	1
2-Fluorobiphenyl	89		48 - 120	12/28/18 15:48	12/31/18 22:07	1
2-Fluorophenol (Surr)	48		35 - 120	12/28/18 15:48	12/31/18 22:07	1
Nitrobenzene-d5 (Surr)	83		46 - 120	12/28/18 15:48	12/31/18 22:07	1
p-Terphenyl-d14 (Surr)	102		59 - 136	12/28/18 15:48	12/31/18 22:07	1
Phenol-d5 (Surr)	35		22 - 120	12/28/18 15:48	12/31/18 22:07	1

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0020	0.000029	mg/L		12/28/18 10:28	12/31/18 13:44	1
Endrin	ND		0.00020	0.000014	mg/L		12/28/18 10:28	12/31/18 13:44	1
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		12/28/18 10:28	12/31/18 13:44	1
Heptachlor	ND		0.00020	0.0000085	mg/L		12/28/18 10:28	12/31/18 13:44	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		12/28/18 10:28	12/31/18 13:44	1
Methoxychlor	ND		0.00020	0.000014	mg/L		12/28/18 10:28	12/31/18 13:44	1
Toxaphene	ND		0.0020	0.00012	mg/L		12/28/18 10:28	12/31/18 13:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	52		20 - 120	12/28/18 10:28	12/31/18 13:44	1
DCB Decachlorobiphenyl	58		20 - 120	12/28/18 10:28	12/31/18 13:44	1
Tetrachloro-m-xylene	52		44 - 120	12/28/18 10:28	12/31/18 13:44	1
Tetrachloro-m-xylene	40	X	44 - 120	12/28/18 10:28	12/31/18 13:44	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.39	0.077	mg/Kg	☼	01/03/19 14:18	01/04/19 17:47	1
PCB-1221	ND		0.39	0.077	mg/Kg	☼	01/03/19 14:18	01/04/19 17:47	1
PCB-1232	ND		0.39	0.077	mg/Kg	☼	01/03/19 14:18	01/04/19 17:47	1
PCB-1242	ND		0.39	0.077	mg/Kg	☼	01/03/19 14:18	01/04/19 17:47	1
PCB-1248	1.2		0.39	0.077	mg/Kg	☼	01/03/19 14:18	01/04/19 17:47	1
PCB-1254	ND		0.39	0.18	mg/Kg	☼	01/03/19 14:18	01/04/19 17:47	1
PCB-1260	ND		0.39	0.18	mg/Kg	☼	01/03/19 14:18	01/04/19 17:47	1
PCB-1262	ND		0.39	0.18	mg/Kg	☼	01/03/19 14:18	01/04/19 17:47	1
PCB-1268	ND		0.39	0.18	mg/Kg	☼	01/03/19 14:18	01/04/19 17:47	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: NW Main Building Vault

Date Collected: 12/19/18 12:50

Date Received: 12/21/18 16:30

Lab Sample ID: 480-147244-2

Matrix: Solid

Percent Solids: 58.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	56	X	60 - 154	01/03/19 14:18	01/04/19 17:47	1
Tetrachloro-m-xylene	62		60 - 154	01/03/19 14:18	01/04/19 17:47	1
DCB Decachlorobiphenyl	50	X	65 - 174	01/03/19 14:18	01/04/19 17:47	1
DCB Decachlorobiphenyl	88		65 - 174	01/03/19 14:18	01/04/19 17:47	1

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		12/28/18 10:20	01/12/19 02:20	1
2,4-D	ND		0.0020	0.00040	mg/L		12/28/18 10:20	01/12/19 02:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	51		48 - 132	12/28/18 10:20	01/12/19 02:20	1
2,4-Dichlorophenylacetic acid	34	X	48 - 132	12/28/18 10:20	01/12/19 02:20	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1670		17.0	7.5	mg/Kg	☼	12/31/18 08:29	01/03/19 11:20	1
Antimony	4.5	J	127	3.4	mg/Kg	☼	12/31/18 08:29	01/03/19 11:24	5
Arsenic	13.8		3.4	0.68	mg/Kg	☼	12/31/18 08:29	01/03/19 11:20	1
Barium	120		0.85	0.19	mg/Kg	☼	12/31/18 08:29	01/03/19 11:20	1
Beryllium	0.092	J	0.34	0.048	mg/Kg	☼	12/31/18 08:29	01/03/19 11:20	1
Cadmium	1.8		1.7	0.25	mg/Kg	☼	12/31/18 08:29	01/03/19 11:24	5
Calcium	38800	B	84.9	5.6	mg/Kg	☼	12/31/18 08:29	01/03/19 11:20	1
Chromium	132		0.85	0.34	mg/Kg	☼	12/31/18 08:29	01/03/19 11:20	1
Cobalt	10.2		0.85	0.085	mg/Kg	☼	12/31/18 08:29	01/03/19 11:20	1
Copper	182		1.7	0.36	mg/Kg	☼	12/31/18 08:29	01/03/19 11:20	1
Iron	106000		84.9	29.7	mg/Kg	☼	12/31/18 08:29	01/03/19 11:24	5
Lead	135		8.5	2.0	mg/Kg	☼	12/31/18 08:29	01/03/19 11:24	5
Magnesium	2130		34.0	1.6	mg/Kg	☼	12/31/18 08:29	01/03/19 11:20	1
Manganese	882	B	1.7	0.27	mg/Kg	☼	12/31/18 08:29	01/03/19 11:24	5
Nickel	80.0		42.5	2.0	mg/Kg	☼	12/31/18 08:29	01/03/19 11:24	5
Potassium	391		51.0	34.0	mg/Kg	☼	12/31/18 08:29	01/03/19 11:20	1
Selenium	ND		6.8	0.68	mg/Kg	☼	12/31/18 08:29	01/03/19 11:20	1
Silver	ND		5.1	1.7	mg/Kg	☼	12/31/18 08:29	01/03/19 11:24	5
Sodium	214	J	238	22.1	mg/Kg	☼	12/31/18 08:29	01/03/19 11:20	1
Thallium	ND		10.2	0.51	mg/Kg	☼	12/31/18 08:29	01/03/19 11:20	1
Vanadium	13.7		4.2	0.93	mg/Kg	☼	12/31/18 08:29	01/03/19 11:24	5
Zinc	847		3.4	1.1	mg/Kg	☼	12/31/18 08:29	01/03/19 11:20	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		12/28/18 10:03	12/28/18 20:10	1
Barium	0.95	J	1.0	0.10	mg/L		12/28/18 10:03	12/28/18 20:10	1
Cadmium	ND		0.0020	0.00050	mg/L		12/28/18 10:03	12/28/18 20:10	1
Chromium	ND		0.020	0.010	mg/L		12/28/18 10:03	12/28/18 20:10	1
Lead	0.012	J	0.020	0.0030	mg/L		12/28/18 10:03	12/28/18 20:10	1
Selenium	ND		0.025	0.0087	mg/L		12/28/18 10:03	12/28/18 20:10	1
Silver	ND		0.0060	0.0017	mg/L		12/28/18 10:03	12/28/18 20:10	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: NW Main Building Vault

Lab Sample ID: 480-147244-2

Date Collected: 12/19/18 12:50

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 58.6

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	—	12/28/18 11:20	12/28/18 14:57	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.052		0.031	0.012	mg/Kg	☼	01/02/19 12:15	01/02/19 13:31	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: Pigeon Room Wood Block Base

Lab Sample ID: 480-147244-3

Date Collected: 12/19/18 13:10

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 71.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	6.9	0.50	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
1,1,2,2-Tetrachloroethane	ND	vs	6.9	1.1	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
1,1,2-Trichloroethane	ND	vs	6.9	0.90	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.9	1.6	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
1,1-Dichloroethane	ND	vs	6.9	0.85	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
1,1-Dichloroethene	ND	vs	6.9	0.85	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
1,2,4-Trichlorobenzene	ND	vs	6.9	0.42	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.9	3.5	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
1,2-Dichlorobenzene	ND	vs	6.9	0.54	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
1,2-Dichloroethane	ND	vs	6.9	0.35	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
1,2-Dichloropropane	ND	vs	6.9	3.5	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
1,3-Dichlorobenzene	ND	vs	6.9	0.36	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
1,4-Dichlorobenzene	ND	vs	6.9	0.97	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
2-Butanone (MEK)	ND	vs	35	2.5	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
2-Hexanone	ND	vs	35	3.5	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
4-Methyl-2-pentanone (MIBK)	ND	vs	35	2.3	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Acetone	ND	vs	35	5.8	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Benzene	ND	vs	6.9	0.34	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Bromodichloromethane	ND	vs	6.9	0.93	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Bromoform	ND	vs	6.9	3.5	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Bromomethane	ND	vs	6.9	0.62	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Carbon disulfide	ND	vs	6.9	3.5	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Carbon tetrachloride	ND	vs	6.9	0.67	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Chlorobenzene	ND	vs	6.9	0.91	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Dibromochloromethane	ND	vs	6.9	0.89	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Chloroethane	ND	vs	6.9	1.6	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Chloroform	ND	vs	6.9	0.43	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Chloromethane	ND	vs	6.9	0.42	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
cis-1,2-Dichloroethene	ND	vs	6.9	0.89	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
cis-1,3-Dichloropropene	ND	vs	6.9	1.0	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Cyclohexane	ND	vs	6.9	0.97	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Dichlorodifluoromethane	ND	vs	6.9	0.57	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Ethylbenzene	ND	vs	6.9	0.48	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
1,2-Dibromoethane	ND	vs	6.9	0.89	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Isopropylbenzene	ND	vs	6.9	1.0	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Methyl acetate	ND	vs	35	4.2	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Methyl tert-butyl ether	ND	vs	6.9	0.68	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Methylcyclohexane	ND	vs	6.9	1.1	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Methylene Chloride	ND	vs	6.9	3.2	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Styrene	ND	vs	6.9	0.35	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Tetrachloroethene	ND	vs	6.9	0.93	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Toluene	ND	vs	6.9	0.52	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
trans-1,2-Dichloroethene	ND	vs	6.9	0.71	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
trans-1,3-Dichloropropene	ND	vs	6.9	3.0	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Trichloroethene	ND	vs	6.9	1.5	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Trichlorofluoromethane	ND	vs	6.9	0.66	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Vinyl chloride	ND	vs	6.9	0.85	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1
Xylenes, Total	ND	vs	14	1.2	ug/Kg	☼	12/26/18 12:54	12/26/18 17:33	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: Pigeon Room Wood Block Base

Lab Sample ID: 480-147244-3

Date Collected: 12/19/18 13:10

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 71.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		71 - 125	12/26/18 12:54	12/26/18 17:33	1
1,2-Dichloroethane-d4 (Surr)	110		64 - 126	12/26/18 12:54	12/26/18 17:33	1
4-Bromofluorobenzene (Surr)	102		72 - 126	12/26/18 12:54	12/26/18 17:33	1
Dibromofluoromethane (Surr)	114		60 - 140	12/26/18 12:54	12/26/18 17:33	1

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.010	0.0021	mg/L	-		12/28/18 15:54	10
2-Butanone (MEK)	ND	*	0.050	0.013	mg/L			12/28/18 15:54	10
Benzene	ND		0.010	0.0041	mg/L			12/28/18 15:54	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			12/28/18 15:54	10
Chlorobenzene	ND		0.010	0.0075	mg/L			12/28/18 15:54	10
Chloroform	ND		0.010	0.0034	mg/L			12/28/18 15:54	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			12/28/18 15:54	10
Trichloroethene	ND		0.010	0.0046	mg/L			12/28/18 15:54	10
Vinyl chloride	ND		0.010	0.0090	mg/L			12/28/18 15:54	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			12/28/18 15:54	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		12/28/18 15:54	10
4-Bromofluorobenzene (Surr)	110		73 - 120		12/28/18 15:54	10
Toluene-d8 (Surr)	98		80 - 120		12/28/18 15:54	10
Dibromofluoromethane (Surr)	109		75 - 123		12/28/18 15:54	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		18000	4800	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
2,4,6-Trichlorophenol	ND		18000	3500	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
2,4-Dichlorophenol	ND		18000	1900	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
2,4-Dimethylphenol	ND		18000	4200	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
2,4-Dinitrophenol	ND		170000	81000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
2,4-Dinitrotoluene	ND		18000	3600	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
2,6-Dinitrotoluene	ND		18000	2100	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
2-Chloronaphthalene	ND		18000	2900	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
2-Chlorophenol	ND		18000	3200	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
2-Methylnaphthalene	ND		18000	3500	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
2-Methylphenol	ND		18000	2100	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
2-Nitroaniline	ND		34000	2600	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
2-Nitrophenol	ND		18000	5000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
3,3'-Dichlorobenzidine	ND		34000	21000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
3-Nitroaniline	ND		34000	4900	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
4,6-Dinitro-2-methylphenol	ND		34000	18000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
4-Bromophenyl phenyl ether	ND		18000	2500	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
4-Chloro-3-methylphenol	ND		18000	4300	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
4-Chloroaniline	ND		18000	4300	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
4-Chlorophenyl phenyl ether	ND		18000	2200	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Methylphenol, 3 & 4	ND		34000	2100	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
4-Nitroaniline	ND		34000	9200	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
4-Nitrophenol	ND		34000	12000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Acenaphthene	4200	J	18000	2600	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: Pigeon Room Wood Block Base

Lab Sample ID: 480-147244-3

Date Collected: 12/19/18 13:10

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 71.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	8300	J	18000	2300	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Acetophenone	ND		18000	2400	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Anthracene	12000	J	18000	4300	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Atrazine	ND		18000	6100	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Benzaldehyde	ND		18000	14000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Benzo[a]anthracene	51000		18000	1800	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Benzo[a]pyrene	56000		18000	2600	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Benzo[b]fluoranthene	83000		18000	2800	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Benzo[g,h,i]perylene	53000		18000	1900	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Benzo[k]fluoranthene	35000		18000	2300	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Biphenyl	ND		18000	2600	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
bis (2-chloroisopropyl) ether	ND		18000	3500	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Bis(2-chloroethoxy)methane	ND		18000	3700	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Bis(2-chloroethyl)ether	ND		18000	2300	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Bis(2-ethylhexyl) phthalate	ND		18000	6000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Butyl benzyl phthalate	ND		18000	2900	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Caprolactam	ND		18000	5300	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Carbazole	4200	J	18000	2100	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Chrysene	60000		18000	3900	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Dibenz(a,h)anthracene	ND		18000	3100	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Dibenzofuran	2200	J	18000	2100	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Diethyl phthalate	ND		18000	2300	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Dimethyl phthalate	ND		18000	2100	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Di-n-butyl phthalate	ND		18000	3000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Di-n-octyl phthalate	ND		18000	2100	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Fluoranthene	86000		18000	1900	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Fluorene	ND		18000	2100	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Hexachlorobenzene	ND		18000	2400	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Hexachlorobutadiene	ND		18000	2600	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Hexachlorocyclopentadiene	ND		18000	2400	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Hexachloroethane	ND		18000	2300	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Indeno[1,2,3-cd]pyrene	41000		18000	2200	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Isophorone	ND		18000	3700	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Naphthalene	3600	J	18000	2300	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Nitrobenzene	ND		18000	2000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
N-Nitrosodi-n-propylamine	ND		18000	3000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
N-Nitrosodiphenylamine	ND		18000	14000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Pentachlorophenol	ND		34000	18000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Phenanthrene	33000		18000	2600	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Phenol	ND		18000	2700	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5
Pyrene	100000		18000	2100	ug/Kg	☼	12/29/18 10:32	01/09/19 01:12	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	0	X	54 - 120	12/29/18 10:32	01/09/19 01:12	5
2-Fluorobiphenyl	110		60 - 120	12/29/18 10:32	01/09/19 01:12	5
2-Fluorophenol (Surr)	0	X	52 - 120	12/29/18 10:32	01/09/19 01:12	5
Nitrobenzene-d5 (Surr)	92		53 - 120	12/29/18 10:32	01/09/19 01:12	5
Phenol-d5 (Surr)	59		54 - 120	12/29/18 10:32	01/09/19 01:12	5
p-Terphenyl-d14 (Surr)	100		65 - 121	12/29/18 10:32	01/09/19 01:12	5

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: Pigeon Room Wood Block Base

Lab Sample ID: 480-147244-3

Date Collected: 12/19/18 13:10

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 71.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		12/28/18 15:48	12/31/18 22:32	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		12/28/18 15:48	12/31/18 22:32	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		12/28/18 15:48	12/31/18 22:32	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		12/28/18 15:48	12/31/18 22:32	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		12/28/18 15:48	12/31/18 22:32	1
3-Methylphenol	ND		0.010	0.00040	mg/L		12/28/18 15:48	12/31/18 22:32	1
4-Methylphenol	ND		0.010	0.00036	mg/L		12/28/18 15:48	12/31/18 22:32	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		12/28/18 15:48	12/31/18 22:32	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		12/28/18 15:48	12/31/18 22:32	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		12/28/18 15:48	12/31/18 22:32	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		12/28/18 15:48	12/31/18 22:32	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		12/28/18 15:48	12/31/18 22:32	1
Pyridine	ND		0.025	0.00041	mg/L		12/28/18 15:48	12/31/18 22:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	80		41 - 120	12/28/18 15:48	12/31/18 22:32	1
2-Fluorobiphenyl	88		48 - 120	12/28/18 15:48	12/31/18 22:32	1
2-Fluorophenol (Surr)	41		35 - 120	12/28/18 15:48	12/31/18 22:32	1
Nitrobenzene-d5 (Surr)	83		46 - 120	12/28/18 15:48	12/31/18 22:32	1
p-Terphenyl-d14 (Surr)	104		59 - 136	12/28/18 15:48	12/31/18 22:32	1
Phenol-d5 (Surr)	28		22 - 120	12/28/18 15:48	12/31/18 22:32	1

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0020	0.000029	mg/L		12/28/18 10:28	12/31/18 14:03	1
Endrin	ND		0.00020	0.000014	mg/L		12/28/18 10:28	12/31/18 14:03	1
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		12/28/18 10:28	12/31/18 14:03	1
Heptachlor	ND		0.00020	0.0000085	mg/L		12/28/18 10:28	12/31/18 14:03	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		12/28/18 10:28	12/31/18 14:03	1
Methoxychlor	ND		0.00020	0.000014	mg/L		12/28/18 10:28	12/31/18 14:03	1
Toxaphene	ND		0.0020	0.00012	mg/L		12/28/18 10:28	12/31/18 14:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	61		20 - 120	12/28/18 10:28	12/31/18 14:03	1
DCB Decachlorobiphenyl	72		20 - 120	12/28/18 10:28	12/31/18 14:03	1
Tetrachloro-m-xylene	86		44 - 120	12/28/18 10:28	12/31/18 14:03	1
Tetrachloro-m-xylene	73		44 - 120	12/28/18 10:28	12/31/18 14:03	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.27	0.053	mg/Kg	☼	01/03/19 14:18	01/04/19 18:03	1
PCB-1221	ND		0.27	0.053	mg/Kg	☼	01/03/19 14:18	01/04/19 18:03	1
PCB-1232	ND		0.27	0.053	mg/Kg	☼	01/03/19 14:18	01/04/19 18:03	1
PCB-1242	ND		0.27	0.053	mg/Kg	☼	01/03/19 14:18	01/04/19 18:03	1
PCB-1248	ND		0.27	0.053	mg/Kg	☼	01/03/19 14:18	01/04/19 18:03	1
PCB-1254	0.53		0.27	0.13	mg/Kg	☼	01/03/19 14:18	01/04/19 18:03	1
PCB-1260	ND		0.27	0.13	mg/Kg	☼	01/03/19 14:18	01/04/19 18:03	1
PCB-1262	ND		0.27	0.13	mg/Kg	☼	01/03/19 14:18	01/04/19 18:03	1
PCB-1268	ND		0.27	0.13	mg/Kg	☼	01/03/19 14:18	01/04/19 18:03	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: Pigeon Room Wood Block Base

Lab Sample ID: 480-147244-3

Date Collected: 12/19/18 13:10

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 71.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	75		60 - 154	01/03/19 14:18	01/04/19 18:03	1
Tetrachloro-m-xylene	73		60 - 154	01/03/19 14:18	01/04/19 18:03	1
DCB Decachlorobiphenyl	41	X	65 - 174	01/03/19 14:18	01/04/19 18:03	1
DCB Decachlorobiphenyl	91		65 - 174	01/03/19 14:18	01/04/19 18:03	1

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		12/28/18 10:20	01/12/19 02:50	1
2,4-D	ND		0.0020	0.00040	mg/L		12/28/18 10:20	01/12/19 02:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	40	X	48 - 132	12/28/18 10:20	01/12/19 02:50	1
2,4-Dichlorophenylacetic acid	14	X	48 - 132	12/28/18 10:20	01/12/19 02:50	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7480		14.0	6.1	mg/Kg	☼	12/31/18 08:29	01/03/19 11:27	1
Antimony	19.6	J	209	5.6	mg/Kg	☼	12/31/18 08:29	01/04/19 09:51	10
Arsenic	38.0		2.8	0.56	mg/Kg	☼	12/31/18 08:29	01/03/19 11:27	1
Barium	2620		3.5	0.77	mg/Kg	☼	12/31/18 08:29	01/03/19 11:31	5
Beryllium	0.58		0.28	0.039	mg/Kg	☼	12/31/18 08:29	01/03/19 11:27	1
Cadmium	16.3		2.8	0.42	mg/Kg	☼	12/31/18 08:29	01/04/19 09:51	10
Calcium	10600	B	69.8	4.6	mg/Kg	☼	12/31/18 08:29	01/03/19 11:27	1
Chromium	624		0.70	0.28	mg/Kg	☼	12/31/18 08:29	01/03/19 11:27	1
Cobalt	39.4		0.70	0.070	mg/Kg	☼	12/31/18 08:29	01/03/19 11:27	1
Copper	557		1.4	0.29	mg/Kg	☼	12/31/18 08:29	01/03/19 11:27	1
Iron	410000		140	48.8	mg/Kg	☼	12/31/18 08:29	01/04/19 09:51	10
Lead	668	^	14.0	3.3	mg/Kg	☼	12/31/18 08:29	01/04/19 09:51	10
Magnesium	4460		27.9	1.3	mg/Kg	☼	12/31/18 08:29	01/03/19 11:27	1
Manganese	3310	B	2.8	0.45	mg/Kg	☼	12/31/18 08:29	01/04/19 09:51	10
Nickel	829		69.8	3.2	mg/Kg	☼	12/31/18 08:29	01/04/19 09:51	10
Potassium	1120		41.9	27.9	mg/Kg	☼	12/31/18 08:29	01/03/19 11:27	1
Selenium	1.5	J	5.6	0.56	mg/Kg	☼	12/31/18 08:29	01/03/19 11:27	1
Silver	ND		8.4	2.8	mg/Kg	☼	12/31/18 08:29	01/04/19 09:51	10
Sodium	155	J	195	18.1	mg/Kg	☼	12/31/18 08:29	01/03/19 11:27	1
Thallium	ND		8.4	0.42	mg/Kg	☼	12/31/18 08:29	01/03/19 11:27	1
Vanadium	46.5		7.0	1.5	mg/Kg	☼	12/31/18 08:29	01/04/19 09:51	10
Zinc	937		2.8	0.89	mg/Kg	☼	12/31/18 08:29	01/03/19 11:27	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		12/28/18 10:03	12/28/18 20:14	1
Barium	1.3		1.0	0.10	mg/L		12/28/18 10:03	12/28/18 20:14	1
Cadmium	0.071		0.0020	0.00050	mg/L		12/28/18 10:03	12/28/18 20:14	1
Chromium	0.010	J	0.020	0.010	mg/L		12/28/18 10:03	12/28/18 20:14	1
Lead	0.073		0.020	0.0030	mg/L		12/28/18 10:03	12/28/18 20:14	1
Selenium	ND		0.025	0.0087	mg/L		12/28/18 10:03	12/28/18 20:14	1
Silver	ND		0.0060	0.0017	mg/L		12/28/18 10:03	12/28/18 20:14	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: Pigeon Room Wood Block Base

Lab Sample ID: 480-147244-3

Date Collected: 12/19/18 13:10

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 71.2

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	—	12/28/18 11:20	12/28/18 14:58	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.14		0.029	0.012	mg/Kg	☼	01/02/19 12:15	01/02/19 13:32	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: Far Back Room Wood Blocks

Lab Sample ID: 480-147244-4

Date Collected: 12/19/18 14:05

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 62.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		590	160	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
1,1,2,2-Tetrachloroethane	ND		590	96	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
1,1,2-Trichloroethane	ND		590	120	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		590	300	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
1,1-Dichloroethane	ND		590	180	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
1,1-Dichloroethene	ND		590	210	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
1,2,4-Trichlorobenzene	ND		590	230	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
1,2-Dibromo-3-Chloropropane	ND		590	300	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
1,2-Dichlorobenzene	ND		590	150	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
1,2-Dichloroethane	ND		590	240	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
1,2-Dichloropropane	ND		590	96	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
1,3-Dichlorobenzene	ND		590	160	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
1,4-Dichlorobenzene	ND		590	83	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
2-Butanone (MEK)	ND		3000	1800	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
2-Hexanone	ND		3000	1200	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
4-Methyl-2-pentanone (MIBK)	ND		3000	190	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Acetone	ND		3000	2400	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Benzene	ND		590	110	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Bromodichloromethane	ND		590	120	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Bromoform	ND		590	300	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Bromomethane	ND		590	130	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Carbon disulfide	ND		590	270	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Carbon tetrachloride	ND		590	150	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Chlorobenzene	ND		590	78	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Dibromochloromethane	ND		590	290	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Chloroethane	ND		590	120	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Chloroform	ND		590	410	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Chloromethane	ND		590	140	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
cis-1,2-Dichloroethene	ND		590	160	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
cis-1,3-Dichloropropene	ND		590	140	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Cyclohexane	ND		590	130	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Dichlorodifluoromethane	ND		590	260	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Ethylbenzene	ND		590	170	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
1,2-Dibromoethane	ND		590	100	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Isopropylbenzene	ND		590	89	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Methyl acetate	ND		3000	280	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Methyl tert-butyl ether	ND		590	220	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Methylcyclohexane	ND		590	280	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Methylene Chloride	ND		590	120	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Styrene	ND		590	140	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Tetrachloroethene	ND		590	80	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Toluene	ND		590	160	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
trans-1,2-Dichloroethene	ND		590	140	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
trans-1,3-Dichloropropene	ND		590	58	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Trichloroethene	ND		590	170	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Trichlorofluoromethane	ND		590	280	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Vinyl chloride	ND		590	200	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2
Xylenes, Total	ND		1200	330	ug/Kg	☼	12/26/18 14:44	12/27/18 12:34	2

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: Far Back Room Wood Blocks

Lab Sample ID: 480-147244-4

Date Collected: 12/19/18 14:05

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 62.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	81		50 - 149	12/26/18 14:44	12/27/18 12:34	2
1,2-Dichloroethane-d4 (Surr)	74		53 - 146	12/26/18 14:44	12/27/18 12:34	2
4-Bromofluorobenzene (Surr)	104		49 - 148	12/26/18 14:44	12/27/18 12:34	2
Dibromofluoromethane (Surr)	81		60 - 140	12/26/18 14:44	12/27/18 12:34	2

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.010	0.0021	mg/L	-		12/28/18 16:18	10
2-Butanone (MEK)	ND	*	0.050	0.013	mg/L			12/28/18 16:18	10
Benzene	ND		0.010	0.0041	mg/L			12/28/18 16:18	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			12/28/18 16:18	10
Chlorobenzene	ND		0.010	0.0075	mg/L			12/28/18 16:18	10
Chloroform	ND		0.010	0.0034	mg/L			12/28/18 16:18	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			12/28/18 16:18	10
Trichloroethene	ND		0.010	0.0046	mg/L			12/28/18 16:18	10
Vinyl chloride	ND		0.010	0.0090	mg/L			12/28/18 16:18	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			12/28/18 16:18	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		12/28/18 16:18	10
4-Bromofluorobenzene (Surr)	104		73 - 120		12/28/18 16:18	10
Toluene-d8 (Surr)	95		80 - 120		12/28/18 16:18	10
Dibromofluoromethane (Surr)	109		75 - 123		12/28/18 16:18	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		20000	5500	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
2,4,6-Trichlorophenol	ND		20000	4000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
2,4-Dichlorophenol	ND		20000	2100	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
2,4-Dimethylphenol	ND		20000	4900	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
2,4-Dinitrophenol	ND		200000	93000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
2,4-Dinitrotoluene	ND		20000	4200	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
2,6-Dinitrotoluene	ND		20000	2400	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
2-Chloronaphthalene	ND		20000	3300	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
2-Chlorophenol	ND		20000	3700	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
2-Methylnaphthalene	ND		20000	4000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
2-Methylphenol	ND		20000	2400	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
2-Nitroaniline	ND		39000	3000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
2-Nitrophenol	ND		20000	5700	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
3,3'-Dichlorobenzidine	ND		39000	24000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
3-Nitroaniline	ND		39000	5600	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
4,6-Dinitro-2-methylphenol	ND		39000	20000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
4-Bromophenyl phenyl ether	ND		20000	2800	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
4-Chloro-3-methylphenol	ND		20000	5000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
4-Chloroaniline	ND		20000	5000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
4-Chlorophenyl phenyl ether	ND		20000	2500	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Methylphenol, 3 & 4	ND		39000	2400	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
4-Nitroaniline	ND		39000	11000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
4-Nitrophenol	ND		39000	14000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Acenaphthene	4100	J	20000	3000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: Far Back Room Wood Blocks

Lab Sample ID: 480-147244-4

Date Collected: 12/19/18 14:05

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 62.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	14000	J	20000	2600	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Acetophenone	ND		20000	2700	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Anthracene	27000		20000	5000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Atrazine	ND		20000	7000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Benzaldehyde	ND		20000	16000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Benzo[a]anthracene	130000		20000	2000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Benzo[a]pyrene	120000		20000	3000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Benzo[b]fluoranthene	150000		20000	3200	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Benzo[g,h,i]perylene	73000		20000	2100	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Benzo[k]fluoranthene	81000		20000	2600	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Biphenyl	ND		20000	3000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
bis (2-chloroisopropyl) ether	ND		20000	4000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Bis(2-chloroethoxy)methane	ND		20000	4300	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Bis(2-chloroethyl)ether	ND		20000	2600	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Bis(2-ethylhexyl) phthalate	12000	J	20000	6900	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Butyl benzyl phthalate	ND		20000	3300	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Caprolactam	ND		20000	6100	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Carbazole	4000	J	20000	2400	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Chrysene	130000		20000	4500	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Dibenz(a,h)anthracene	ND		20000	3600	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Dibenzofuran	ND		20000	2400	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Diethyl phthalate	ND		20000	2600	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Dimethyl phthalate	ND		20000	2400	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Di-n-butyl phthalate	ND		20000	3400	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Di-n-octyl phthalate	ND		20000	2400	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Fluoranthene	340000		20000	2100	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Fluorene	7900	J	20000	2400	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Hexachlorobenzene	ND		20000	2700	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Hexachlorobutadiene	ND		20000	3000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Hexachlorocyclopentadiene	ND		20000	2700	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Hexachloroethane	ND		20000	2600	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Indeno[1,2,3-cd]pyrene	67000		20000	2500	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Isophorone	ND		20000	4300	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Naphthalene	ND		20000	2600	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Nitrobenzene	ND		20000	2300	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
N-Nitrosodi-n-propylamine	ND		20000	3400	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
N-Nitrosodiphenylamine	ND		20000	16000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Pentachlorophenol	ND		39000	20000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Phenanthrene	110000		20000	3000	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Phenol	ND		20000	3100	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5
Pyrene	290000		20000	2400	ug/Kg	☼	12/29/18 10:32	01/09/19 01:37	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	0	X	54 - 120	12/29/18 10:32	01/09/19 01:37	5
2-Fluorobiphenyl	95		60 - 120	12/29/18 10:32	01/09/19 01:37	5
2-Fluorophenol (Surr)	0	X	52 - 120	12/29/18 10:32	01/09/19 01:37	5
Nitrobenzene-d5 (Surr)	100		53 - 120	12/29/18 10:32	01/09/19 01:37	5
Phenol-d5 (Surr)	63		54 - 120	12/29/18 10:32	01/09/19 01:37	5
p-Terphenyl-d14 (Surr)	0	X	65 - 121	12/29/18 10:32	01/09/19 01:37	5

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: Far Back Room Wood Blocks

Lab Sample ID: 480-147244-4

Date Collected: 12/19/18 14:05

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 62.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0023	mg/L		12/28/18 15:48	12/31/18 22:57	5
2,4-Dinitrotoluene	ND		0.025	0.0022	mg/L		12/28/18 15:48	12/31/18 22:57	5
2,4,5-Trichlorophenol	ND		0.025	0.0024	mg/L		12/28/18 15:48	12/31/18 22:57	5
2,4,6-Trichlorophenol	ND		0.025	0.0031	mg/L		12/28/18 15:48	12/31/18 22:57	5
2-Methylphenol	ND		0.025	0.0020	mg/L		12/28/18 15:48	12/31/18 22:57	5
3-Methylphenol	ND		0.050	0.0020	mg/L		12/28/18 15:48	12/31/18 22:57	5
4-Methylphenol	ND		0.050	0.0018	mg/L		12/28/18 15:48	12/31/18 22:57	5
Hexachlorobenzene	ND		0.025	0.0026	mg/L		12/28/18 15:48	12/31/18 22:57	5
Hexachlorobutadiene	ND		0.025	0.0034	mg/L		12/28/18 15:48	12/31/18 22:57	5
Hexachloroethane	ND		0.025	0.0030	mg/L		12/28/18 15:48	12/31/18 22:57	5
Nitrobenzene	ND		0.025	0.0015	mg/L		12/28/18 15:48	12/31/18 22:57	5
Pentachlorophenol	ND		0.050	0.011	mg/L		12/28/18 15:48	12/31/18 22:57	5
Pyridine	ND		0.13	0.0021	mg/L		12/28/18 15:48	12/31/18 22:57	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	79		41 - 120	12/28/18 15:48	12/31/18 22:57	5
2-Fluorobiphenyl	83		48 - 120	12/28/18 15:48	12/31/18 22:57	5
2-Fluorophenol (Surr)	41		35 - 120	12/28/18 15:48	12/31/18 22:57	5
Nitrobenzene-d5 (Surr)	77		46 - 120	12/28/18 15:48	12/31/18 22:57	5
p-Terphenyl-d14 (Surr)	82		59 - 136	12/28/18 15:48	12/31/18 22:57	5
Phenol-d5 (Surr)	31		22 - 120	12/28/18 15:48	12/31/18 22:57	5

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0040	0.000058	mg/L		12/28/18 10:28	12/31/18 14:23	2
Endrin	ND		0.00040	0.000028	mg/L		12/28/18 10:28	12/31/18 14:23	2
gamma-BHC (Lindane)	0.00011	J	0.00040	0.000012	mg/L		12/28/18 10:28	12/31/18 14:23	2
Heptachlor	ND		0.00040	0.000017	mg/L		12/28/18 10:28	12/31/18 14:23	2
Heptachlor epoxide	ND		0.00040	0.000011	mg/L		12/28/18 10:28	12/31/18 14:23	2
Methoxychlor	ND		0.00040	0.000028	mg/L		12/28/18 10:28	12/31/18 14:23	2
Toxaphene	ND		0.0040	0.00024	mg/L		12/28/18 10:28	12/31/18 14:23	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	28		20 - 120	12/28/18 10:28	12/31/18 14:23	2
DCB Decachlorobiphenyl	67		20 - 120	12/28/18 10:28	12/31/18 14:23	2
Tetrachloro-m-xylene	77		44 - 120	12/28/18 10:28	12/31/18 14:23	2
Tetrachloro-m-xylene	48		44 - 120	12/28/18 10:28	12/31/18 14:23	2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.30	0.059	mg/Kg	☼	01/03/19 14:18	01/04/19 18:19	1
PCB-1221	ND		0.30	0.059	mg/Kg	☼	01/03/19 14:18	01/04/19 18:19	1
PCB-1232	ND		0.30	0.059	mg/Kg	☼	01/03/19 14:18	01/04/19 18:19	1
PCB-1242	ND		0.30	0.059	mg/Kg	☼	01/03/19 14:18	01/04/19 18:19	1
PCB-1248	ND		0.30	0.059	mg/Kg	☼	01/03/19 14:18	01/04/19 18:19	1
PCB-1254	1.3		0.30	0.14	mg/Kg	☼	01/03/19 14:18	01/04/19 18:19	1
PCB-1260	ND		0.30	0.14	mg/Kg	☼	01/03/19 14:18	01/04/19 18:19	1
PCB-1262	ND		0.30	0.14	mg/Kg	☼	01/03/19 14:18	01/04/19 18:19	1
PCB-1268	ND		0.30	0.14	mg/Kg	☼	01/03/19 14:18	01/04/19 18:19	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: Far Back Room Wood Blocks

Lab Sample ID: 480-147244-4

Date Collected: 12/19/18 14:05

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 62.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	56	X	60 - 154	01/03/19 14:18	01/04/19 18:19	1
Tetrachloro-m-xylene	138		60 - 154	01/03/19 14:18	01/04/19 18:19	1
DCB Decachlorobiphenyl	95		65 - 174	01/03/19 14:18	01/04/19 18:19	1
DCB Decachlorobiphenyl	183	X	65 - 174	01/03/19 14:18	01/04/19 18:19	1

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		12/28/18 10:20	01/12/19 03:19	1
2,4-D	ND		0.0020	0.00040	mg/L		12/28/18 10:20	01/12/19 03:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	19	X	48 - 132	12/28/18 10:20	01/12/19 03:19	1
2,4-Dichlorophenylacetic acid	20	X	48 - 132	12/28/18 10:20	01/12/19 03:19	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	91.7		16.5	7.3	mg/Kg	☼	12/31/18 08:29	01/03/19 11:51	1
Antimony	0.94	J	24.7	0.66	mg/Kg	☼	12/31/18 08:29	01/03/19 11:51	1
Arsenic	1.5	J	3.3	0.66	mg/Kg	☼	12/31/18 08:29	01/03/19 11:51	1
Barium	61.2		0.82	0.18	mg/Kg	☼	12/31/18 08:29	01/03/19 11:51	1
Beryllium	ND		0.33	0.046	mg/Kg	☼	12/31/18 08:29	01/03/19 11:51	1
Cadmium	0.39		0.33	0.049	mg/Kg	☼	12/31/18 08:29	01/03/19 11:51	1
Calcium	2170	B	82.5	5.4	mg/Kg	☼	12/31/18 08:29	01/03/19 11:51	1
Chromium	4.7		0.82	0.33	mg/Kg	☼	12/31/18 08:29	01/03/19 11:51	1
Cobalt	0.71	J	0.82	0.082	mg/Kg	☼	12/31/18 08:29	01/03/19 11:51	1
Copper	32.8		1.6	0.35	mg/Kg	☼	12/31/18 08:29	01/03/19 11:51	1
Iron	23300		16.5	5.8	mg/Kg	☼	12/31/18 08:29	01/03/19 11:51	1
Lead	26.1		1.6	0.40	mg/Kg	☼	12/31/18 08:29	01/03/19 11:51	1
Magnesium	175		33.0	1.5	mg/Kg	☼	12/31/18 08:29	01/03/19 11:51	1
Manganese	114	B	0.33	0.053	mg/Kg	☼	12/31/18 08:29	01/03/19 11:51	1
Nickel	23.7		8.2	0.38	mg/Kg	☼	12/31/18 08:29	01/03/19 11:51	1
Potassium	273		49.5	33.0	mg/Kg	☼	12/31/18 08:29	01/03/19 11:51	1
Selenium	0.96	J	6.6	0.66	mg/Kg	☼	12/31/18 08:29	01/03/19 11:51	1
Silver	ND		0.99	0.33	mg/Kg	☼	12/31/18 08:29	01/03/19 11:51	1
Sodium	248		231	21.4	mg/Kg	☼	12/31/18 08:29	01/03/19 11:51	1
Thallium	ND		9.9	0.49	mg/Kg	☼	12/31/18 08:29	01/03/19 11:51	1
Vanadium	0.37	J	0.82	0.18	mg/Kg	☼	12/31/18 08:29	01/03/19 11:51	1
Zinc	56.4		3.3	1.1	mg/Kg	☼	12/31/18 08:29	01/03/19 11:51	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0058	J	0.015	0.0056	mg/L		12/28/18 10:03	12/28/18 20:17	1
Barium	1.4		1.0	0.10	mg/L		12/28/18 10:03	12/28/18 20:17	1
Cadmium	0.0046		0.0020	0.00050	mg/L		12/28/18 10:03	12/28/18 20:17	1
Chromium	0.019	J	0.020	0.010	mg/L		12/28/18 10:03	12/28/18 20:17	1
Lead	0.018	J	0.020	0.0030	mg/L		12/28/18 10:03	12/28/18 20:17	1
Selenium	ND		0.025	0.0087	mg/L		12/28/18 10:03	12/28/18 20:17	1
Silver	ND		0.0060	0.0017	mg/L		12/28/18 10:03	12/28/18 20:17	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: Far Back Room Wood Blocks

Lab Sample ID: 480-147244-4

Date Collected: 12/19/18 14:05

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 62.4

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	—	12/28/18 11:20	12/28/18 15:00	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.071		0.028	0.012	mg/Kg	☼	01/02/19 12:15	01/02/19 13:34	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (71-125)	DCA (64-126)	BFB (72-126)	DBFM (60-140)
480-147244-1	Blending Room Drainage Trench	105	108	104	113
480-147244-3	Pigeon Room Wood Block Base	107	110	102	114
LCS 480-452524/1-A	Lab Control Sample	104	106	105	113
MB 480-452524/2-A	Method Blank	103	106	104	111

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (50-149)	DCA (53-146)	BFB (49-148)	DBFM (60-140)
480-147244-2	NW Main Building Vault	79	78	100	82
480-147244-4	Far Back Room Wood Blocks	81	74	104	81
LCS 480-452484/1-A	Lab Control Sample	94	92	117	93
MB 480-452484/3-A	Method Blank	89	89	103	90

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (80-120)	DCA (77-120)	BFB (73-120)	DBFM (75-123)
LCS 480-452830/5	Lab Control Sample	98	108	108	112
LCSD 480-452830/6	Lab Control Sample Dup	98	109	110	115
MB 480-452830/8	Method Blank	99	106	107	105

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-147244-1	Blending Room Drainage Trench	105	106	99	110
480-147244-2	NW Main Building Vault	104	105	97	109
480-147244-3	Pigeon Room Wood Block Base	107	110	98	109
480-147244-4	Far Back Room Wood Blocks	104	104	95	109
LB 480-452726/1-A	Method Blank	107	105	97	109

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (54-120)	FBP (60-120)	2FP (52-120)	NBZ (53-120)	PHL (54-120)	TPHd14 (65-121)
480-147244-1	Blending Room Drainage Trench	0 X	0 X	0 X	0 X	0 X	0 X
480-147244-2	NW Main Building Vault	0 X	0 X	0 X	0 X	0 X	0 X
480-147244-3	Pigeon Room Wood Block Base	0 X	110	0 X	92	59	100
480-147244-4	Far Back Room Wood Blocks	0 X	95	0 X	100	63	0 X
LCS 480-453021/2-A	Lab Control Sample	104	87	68	77	74	102
MB 480-453021/1-A	Method Blank	86	93	75	83	79	103

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	PHL (22-120)	TPHd14 (59-136)
LCS 480-452976/2-A	Lab Control Sample	103	94	50	93	37	111
LCSD 480-452976/3-A	Lab Control Sample Dup	98	96	50	91	37	107
MB 480-452976/1-A	Method Blank	64	83	42	77	30	98

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

TestAmerica Buffalo

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	TPHd14 (59-136)	PHL (22-120)
480-147244-1	Blending Room Drainage Trench	85	86	43	77	102	33
480-147244-2	NW Main Building Vault	87	89	48	83	102	35
480-147244-3	Pigeon Room Wood Block Base	80	88	41	83	104	28
480-147244-4	Far Back Room Wood Blocks	79	83	41	77	82	31
LB 480-452708/1-F	Method Blank	81	87	48	78	105	34

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

PHL = Phenol-d5 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (20-120)	DCBP2 (20-120)	TCX1 (44-120)	TCX2 (44-120)
LCS 480-452882/2-A	Lab Control Sample	52	63	88	76
LCSD 480-452882/3-A	Lab Control Sample Dup	47	60	84	72
MB 480-452882/1-A	Method Blank	58	61	87	72

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (20-120)	DCBP2 (20-120)	TCX1 (44-120)	TCX2 (44-120)
480-147244-1	Blending Room Drainage Trench	72	84	85	71
480-147244-2	NW Main Building Vault	52	58	52	40 X
480-147244-3	Pigeon Room Wood Block Base	61	72	86	73
480-147244-4	Far Back Room Wood Blocks	28	67	77	48
LB 480-452708/1-D	Method Blank	66	77	92	74

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-147244-1	Blending Room Drainage Trench	79	75	74	151
480-147244-2	NW Main Building Vault	56 X	62	50 X	88
480-147244-3	Pigeon Room Wood Block Base	75	73	41 X	91
480-147244-4	Far Back Room Wood Blocks	56 X	138	95	183 X
LCS 480-453594/2-A	Lab Control Sample	128	123	113	164
MB 480-453594/1-A	Method Blank	103	111	95	141

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1 (48-132)	DCPAA2 (48-132)
LCS 480-452874/2-A	Lab Control Sample	77	60
LCSD 480-452874/3-A	Lab Control Sample Dup	54	38 X
MB 480-452874/1-A	Method Blank	73	64

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1 (48-132)	DCPAA2 (48-132)
480-147244-1	Blending Room Drainage Trench	52	37 X
480-147244-2	NW Main Building Vault	51	34 X
480-147244-3	Pigeon Room Wood Block Base	40 X	14 X
480-147244-4	Far Back Room Wood Blocks	19 X	20 X
LB 480-452708/1-C	Method Blank	46 X	39 X

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-452484/3-A

Matrix: Solid

Analysis Batch: 452427

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 452484

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
1,1,2-Trichloroethane	ND		100	21	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
1,1-Dichloroethane	ND		100	31	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
1,2-Dichlorobenzene	ND		100	26	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
1,2-Dichloroethane	ND		100	41	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
1,2-Dichloropropane	ND		100	16	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
1,3-Dichlorobenzene	ND		100	27	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
1,1-Dichloroethene	ND		100	35	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
1,4-Dichlorobenzene	ND		100	14	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
2-Butanone (MEK)	ND		500	300	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
2-Hexanone	ND		500	210	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Acetone	ND		500	410	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Benzene	ND		100	19	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Bromodichloromethane	ND		100	20	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Bromoform	ND		100	50	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Bromomethane	ND		100	22	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Carbon disulfide	ND		100	46	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Carbon tetrachloride	ND		100	26	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Chlorobenzene	ND		100	13	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Dibromochloromethane	ND		100	48	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Chloroethane	ND		100	21	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Chloroform	ND		100	69	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Chloromethane	ND		100	24	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
cis-1,2-Dichloroethene	ND		100	28	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Cyclohexane	ND		100	22	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Dichlorodifluoromethane	ND		100	44	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Ethylbenzene	ND		100	29	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
1,2-Dibromoethane	ND		100	18	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Isopropylbenzene	ND		100	15	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Methyl acetate	ND		500	48	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Methylcyclohexane	ND		100	47	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Methylene Chloride	ND		100	20	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Styrene	ND		100	24	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Tetrachloroethene	ND		100	13	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Toluene	ND		100	27	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
trans-1,3-Dichloropropene	ND		100	9.8	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Trichloroethene	ND		100	28	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Trichlorofluoromethane	ND		100	47	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Vinyl chloride	ND		100	34	ug/Kg		12/26/18 10:48	12/26/18 14:43	1
Xylenes, Total	ND		200	55	ug/Kg		12/26/18 10:48	12/26/18 14:43	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	89		50 - 149	12/26/18 10:48	12/26/18 14:43	1
1,2-Dichloroethane-d4 (Surr)	89		53 - 146	12/26/18 10:48	12/26/18 14:43	1
4-Bromofluorobenzene (Surr)	103		49 - 148	12/26/18 10:48	12/26/18 14:43	1
Dibromofluoromethane (Surr)	90		60 - 140	12/26/18 10:48	12/26/18 14:43	1

Lab Sample ID: LCS 480-452484/1-A
Matrix: Solid
Analysis Batch: 452427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452484

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2630		ug/Kg		105	68 - 130
1,1,2,2-Tetrachloroethane	2500	1970		ug/Kg		79	73 - 120
1,1,2-Trichloroethane	2500	2270		ug/Kg		91	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2600		ug/Kg		104	10 - 179
1,1-Dichloroethane	2500	2580		ug/Kg		103	78 - 121
1,2,4-Trichlorobenzene	2500	2260		ug/Kg		90	70 - 140
1,2-Dibromo-3-Chloropropane	2500	1900		ug/Kg		76	56 - 122
1,2-Dichlorobenzene	2500	2440		ug/Kg		98	78 - 125
1,2-Dichloroethane	2500	2460		ug/Kg		99	74 - 127
1,2-Dichloropropane	2500	2540		ug/Kg		102	80 - 120
1,3-Dichlorobenzene	2500	2340		ug/Kg		94	80 - 120
1,1-Dichloroethene	2500	2640		ug/Kg		106	48 - 133
1,4-Dichlorobenzene	2500	2410		ug/Kg		96	80 - 120
2-Butanone (MEK)	12500	9970		ug/Kg		80	54 - 149
2-Hexanone	12500	9430		ug/Kg		75	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	9890		ug/Kg		79	74 - 120
Acetone	12500	11000		ug/Kg		88	47 - 141
Benzene	2500	2500		ug/Kg		100	77 - 125
Bromodichloromethane	2500	2490		ug/Kg		100	71 - 121
Bromoform	2500	2270		ug/Kg		91	48 - 125
Bromomethane	2500	2180		ug/Kg		87	39 - 149
Carbon disulfide	2500	2260		ug/Kg		91	40 - 136
Carbon tetrachloride	2500	2640		ug/Kg		106	54 - 135
Chlorobenzene	2500	2400		ug/Kg		96	76 - 126
Dibromochloromethane	2500	2390		ug/Kg		96	64 - 120
Chloroethane	2500	2770		ug/Kg		111	23 - 150
Chloroform	2500	2520		ug/Kg		101	78 - 120
Chloromethane	2500	2360		ug/Kg		95	61 - 124
cis-1,2-Dichloroethene	2500	2420		ug/Kg		97	79 - 124
cis-1,3-Dichloropropene	2500	2500		ug/Kg		100	75 - 121
Cyclohexane	2500	2900		ug/Kg		116	49 - 129
Dichlorodifluoromethane	2500	2650		ug/Kg		106	10 - 150
Ethylbenzene	2500	2440		ug/Kg		98	78 - 124
1,2-Dibromoethane	2500	2180		ug/Kg		87	80 - 120
Isopropylbenzene	2500	2570		ug/Kg		103	76 - 120
Methyl acetate	5000	4590		ug/Kg		92	71 - 123
Methyl tert-butyl ether	2500	2300		ug/Kg		92	67 - 137
Methylcyclohexane	2500	3030		ug/Kg		121	50 - 130
Methylene Chloride	2500	2310		ug/Kg		92	75 - 118
Styrene	2500	2340		ug/Kg		93	80 - 120
Tetrachloroethene	2500	2630		ug/Kg		105	73 - 133
Toluene	2500	2410		ug/Kg		96	75 - 124
trans-1,2-Dichloroethene	2500	2540		ug/Kg		101	74 - 129

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-452484/1-A

Matrix: Solid

Analysis Batch: 452427

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 452484

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	2500	2370		ug/Kg		95	73 - 120
Trichloroethene	2500	2450		ug/Kg		98	75 - 131
Trichlorofluoromethane	2500	2770		ug/Kg		111	29 - 158
Vinyl chloride	2500	2530		ug/Kg		101	59 - 124

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	94		50 - 149
1,2-Dichloroethane-d4 (Surr)	92		53 - 146
4-Bromofluorobenzene (Surr)	117		49 - 148
Dibromofluoromethane (Surr)	93		60 - 140

Lab Sample ID: MB 480-452524/2-A

Matrix: Solid

Analysis Batch: 452494

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 452524

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
2-Hexanone	ND		25	2.5	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Acetone	ND		25	4.2	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Benzene	ND		5.0	0.25	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Bromoform	ND		5.0	2.5	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Bromomethane	ND		5.0	0.45	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Chloroethane	ND		5.0	1.1	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Chloroform	ND		5.0	0.31	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Chloromethane	ND		5.0	0.30	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Cyclohexane	ND		5.0	0.70	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		12/26/18 12:54	12/26/18 14:11	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-452524/2-A

Matrix: Solid

Analysis Batch: 452494

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 452524

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		5.0	0.35	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Methyl acetate	ND		25	3.0	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Styrene	ND		5.0	0.25	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Toluene	ND		5.0	0.38	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Trichloroethene	ND		5.0	1.1	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		12/26/18 12:54	12/26/18 14:11	1
Xylenes, Total	ND		10	0.84	ug/Kg		12/26/18 12:54	12/26/18 14:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		71 - 125	12/26/18 12:54	12/26/18 14:11	1
1,2-Dichloroethane-d4 (Surr)	106		64 - 126	12/26/18 12:54	12/26/18 14:11	1
4-Bromofluorobenzene (Surr)	104		72 - 126	12/26/18 12:54	12/26/18 14:11	1
Dibromofluoromethane (Surr)	111		60 - 140	12/26/18 12:54	12/26/18 14:11	1

Lab Sample ID: LCS 480-452524/1-A

Matrix: Solid

Analysis Batch: 452494

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 452524

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1,1-Trichloroethane	50.0	47.8		ug/Kg		96	77 - 121
1,1,1,2,2-Tetrachloroethane	50.0	44.2		ug/Kg		88	80 - 120
1,1,2-Trichloroethane	50.0	47.5		ug/Kg		95	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.3		ug/Kg		95	60 - 140
1,1-Dichloroethane	50.0	46.8		ug/Kg		94	73 - 126
1,2,4-Trichlorobenzene	50.0	44.2		ug/Kg		88	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	40.1		ug/Kg		80	63 - 124
1,2-Dichlorobenzene	50.0	45.7		ug/Kg		91	75 - 120
1,2-Dichloroethane	50.0	49.3		ug/Kg		99	77 - 122
1,2-Dichloropropane	50.0	45.6		ug/Kg		91	75 - 124
1,3-Dichlorobenzene	50.0	45.7		ug/Kg		91	74 - 120
1,1-Dichloroethene	50.0	48.0		ug/Kg		96	59 - 125
1,4-Dichlorobenzene	50.0	46.1		ug/Kg		92	73 - 120
2-Butanone (MEK)	250	229		ug/Kg		92	70 - 134
2-Hexanone	250	218		ug/Kg		87	59 - 130
4-Methyl-2-pentanone (MIBK)	250	204		ug/Kg		82	65 - 133
Acetone	250	244		ug/Kg		98	61 - 137
Benzene	50.0	48.8		ug/Kg		98	79 - 127
Bromodichloromethane	50.0	50.2		ug/Kg		100	80 - 122

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-452524/1-A

Matrix: Solid

Analysis Batch: 452494

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 452524

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	50.0	51.0		ug/Kg		102	68 - 126
Bromomethane	50.0	48.3		ug/Kg		97	37 - 149
Carbon disulfide	50.0	43.3		ug/Kg		87	64 - 131
Carbon tetrachloride	50.0	47.7		ug/Kg		95	75 - 135
Chlorobenzene	50.0	48.0		ug/Kg		96	76 - 124
Dibromochloromethane	50.0	51.5		ug/Kg		103	76 - 125
Chloroethane	50.0	46.7		ug/Kg		93	69 - 135
Chloroform	50.0	49.5		ug/Kg		99	80 - 120
Chloromethane	50.0	44.7		ug/Kg		89	63 - 127
cis-1,2-Dichloroethene	50.0	49.8		ug/Kg		100	81 - 120
cis-1,3-Dichloropropene	50.0	47.4		ug/Kg		95	80 - 120
Cyclohexane	50.0	39.8		ug/Kg		80	65 - 120
Dichlorodifluoromethane	50.0	43.6		ug/Kg		87	57 - 142
Ethylbenzene	50.0	46.1		ug/Kg		92	80 - 120
1,2-Dibromoethane	50.0	49.3		ug/Kg		99	78 - 120
Isopropylbenzene	50.0	43.9		ug/Kg		88	72 - 120
Methyl acetate	100	95.1		ug/Kg		95	55 - 136
Methyl tert-butyl ether	50.0	49.3		ug/Kg		99	63 - 125
Methylcyclohexane	50.0	42.5		ug/Kg		85	60 - 140
Methylene Chloride	50.0	51.0		ug/Kg		102	61 - 127
Styrene	50.0	45.4		ug/Kg		91	80 - 120
Tetrachloroethene	50.0	47.1		ug/Kg		94	74 - 122
Toluene	50.0	46.2		ug/Kg		92	74 - 128
trans-1,2-Dichloroethene	50.0	49.6		ug/Kg		99	78 - 126
trans-1,3-Dichloropropene	50.0	46.2		ug/Kg		92	73 - 123
Trichloroethene	50.0	48.5		ug/Kg		97	77 - 129
Trichlorofluoromethane	50.0	49.8		ug/Kg		100	65 - 146
Vinyl chloride	50.0	46.8		ug/Kg		94	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	104		71 - 125
1,2-Dichloroethane-d4 (Surr)	106		64 - 126
4-Bromofluorobenzene (Surr)	105		72 - 126
Dibromofluoromethane (Surr)	113		60 - 140

Lab Sample ID: MB 480-452830/8

Matrix: Solid

Analysis Batch: 452830

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			12/28/18 11:33	1
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			12/28/18 11:33	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			12/28/18 11:33	1
Benzene	ND		0.0010	0.00041	mg/L			12/28/18 11:33	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			12/28/18 11:33	1
Chlorobenzene	ND		0.0010	0.00075	mg/L			12/28/18 11:33	1
Chloroform	ND		0.0010	0.00034	mg/L			12/28/18 11:33	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			12/28/18 11:33	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-452830/8

Matrix: Solid

Analysis Batch: 452830

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		0.0010	0.00046	mg/L			12/28/18 11:33	1
Vinyl chloride	ND		0.0010	0.00090	mg/L			12/28/18 11:33	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120					12/28/18 11:33	1
1,2-Dichloroethane-d4 (Surr)	106		77 - 120					12/28/18 11:33	1
4-Bromofluorobenzene (Surr)	107		73 - 120					12/28/18 11:33	1
Dibromofluoromethane (Surr)	105		75 - 123					12/28/18 11:33	1

Lab Sample ID: LCS 480-452830/5

Matrix: Solid

Analysis Batch: 452830

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	0.0250	0.0245		mg/L		98	75 - 120
1,1-Dichloroethene	0.0250	0.0236		mg/L		95	66 - 127
2-Butanone (MEK)	0.125	0.216 *		mg/L		173	57 - 140
Benzene	0.0250	0.0227		mg/L		91	71 - 124
Carbon tetrachloride	0.0250	0.0303		mg/L		121	72 - 134
Chlorobenzene	0.0250	0.0236		mg/L		94	80 - 120
Chloroform	0.0250	0.0240		mg/L		96	73 - 127
Tetrachloroethene	0.0250	0.0250		mg/L		100	74 - 122
Trichloroethene	0.0250	0.0238		mg/L		95	74 - 123
Vinyl chloride	0.0250	0.0237		mg/L		95	65 - 133
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	98		80 - 120				
1,2-Dichloroethane-d4 (Surr)	108		77 - 120				
4-Bromofluorobenzene (Surr)	108		73 - 120				
Dibromofluoromethane (Surr)	112		75 - 123				

Lab Sample ID: LCSD 480-452830/6

Matrix: Solid

Analysis Batch: 452830

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloroethane	0.0250	0.0257		mg/L		103	75 - 120	5	20
1,1-Dichloroethene	0.0250	0.0249		mg/L		100	66 - 127	5	16
2-Butanone (MEK)	0.125	0.223 *		mg/L		179	57 - 140	4	20
Benzene	0.0250	0.0239		mg/L		96	71 - 124	5	13
Carbon tetrachloride	0.0250	0.0329		mg/L		131	72 - 134	8	15
Chlorobenzene	0.0250	0.0235		mg/L		94	80 - 120	0	25
Chloroform	0.0250	0.0253		mg/L		101	73 - 127	6	20
Tetrachloroethene	0.0250	0.0262		mg/L		105	74 - 122	5	20
Trichloroethene	0.0250	0.0253		mg/L		101	74 - 123	6	16
Vinyl chloride	0.0250	0.0259		mg/L		104	65 - 133	9	15

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 480-452830/6

Matrix: Solid

Analysis Batch: 452830

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	98		80 - 120
1,2-Dichloroethane-d4 (Surr)	109		77 - 120
4-Bromofluorobenzene (Surr)	110		73 - 120
Dibromofluoromethane (Surr)	115		75 - 123

Lab Sample ID: LB 480-452726/1-A

Matrix: Solid

Analysis Batch: 452830

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			12/28/18 12:45	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			12/28/18 12:45	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			12/28/18 12:45	10
Benzene	ND		0.010	0.0041	mg/L			12/28/18 12:45	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			12/28/18 12:45	10
Chlorobenzene	ND		0.010	0.0075	mg/L			12/28/18 12:45	10
Chloroform	ND		0.010	0.0034	mg/L			12/28/18 12:45	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			12/28/18 12:45	10
Trichloroethene	ND		0.010	0.0046	mg/L			12/28/18 12:45	10
Vinyl chloride	ND		0.010	0.0090	mg/L			12/28/18 12:45	10

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		12/28/18 12:45	10
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		12/28/18 12:45	10
4-Bromofluorobenzene (Surr)	105		73 - 120		12/28/18 12:45	10
Dibromofluoromethane (Surr)	109		75 - 123		12/28/18 12:45	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-452976/1-A

Matrix: Solid

Analysis Batch: 453188

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 452976

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.0025	0.00012	mg/L		12/28/18 15:48	12/31/18 18:46	1
2,4,5-Trichlorophenol	ND		0.0013	0.00012	mg/L		12/28/18 15:48	12/31/18 18:46	1
2,4,6-Trichlorophenol	ND		0.0013	0.00015	mg/L		12/28/18 15:48	12/31/18 18:46	1
2,4-Dinitrotoluene	ND		0.0013	0.00011	mg/L		12/28/18 15:48	12/31/18 18:46	1
3-Methylphenol	ND		0.0025	0.00010	mg/L		12/28/18 15:48	12/31/18 18:46	1
2-Methylphenol	ND		0.0013	0.00010	mg/L		12/28/18 15:48	12/31/18 18:46	1
Pyridine	ND		0.0063	0.00010	mg/L		12/28/18 15:48	12/31/18 18:46	1
4-Methylphenol	ND		0.0025	0.000090	mg/L		12/28/18 15:48	12/31/18 18:46	1
Hexachlorobenzene	ND		0.0013	0.00013	mg/L		12/28/18 15:48	12/31/18 18:46	1
Hexachlorobutadiene	ND		0.0013	0.00017	mg/L		12/28/18 15:48	12/31/18 18:46	1
Hexachloroethane	ND		0.0013	0.00015	mg/L		12/28/18 15:48	12/31/18 18:46	1
Nitrobenzene	ND		0.0013	0.000073	mg/L		12/28/18 15:48	12/31/18 18:46	1
Pentachlorophenol	ND		0.0025	0.00055	mg/L		12/28/18 15:48	12/31/18 18:46	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-452976/1-A

Matrix: Solid

Analysis Batch: 453188

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 452976

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	64		41 - 120	12/28/18 15:48	12/31/18 18:46	1
2-Fluorobiphenyl	83		48 - 120	12/28/18 15:48	12/31/18 18:46	1
2-Fluorophenol (Surr)	42		35 - 120	12/28/18 15:48	12/31/18 18:46	1
Nitrobenzene-d5 (Surr)	77		46 - 120	12/28/18 15:48	12/31/18 18:46	1
Phenol-d5 (Surr)	30		22 - 120	12/28/18 15:48	12/31/18 18:46	1
p-Terphenyl-d14 (Surr)	98		59 - 136	12/28/18 15:48	12/31/18 18:46	1

Lab Sample ID: LCS 480-452976/2-A

Matrix: Solid

Analysis Batch: 453188

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 452976

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0500	0.0340		mg/L		68	51 - 120
2,4,5-Trichlorophenol	0.0500	0.0492		mg/L		98	65 - 126
2,4,6-Trichlorophenol	0.0500	0.0471		mg/L		94	64 - 120
2,4-Dinitrotoluene	0.0500	0.0499		mg/L		100	69 - 120
3-Methylphenol	0.0500	0.0367		mg/L		73	39 - 120
2-Methylphenol	0.0500	0.0416		mg/L		83	39 - 120
Pyridine	0.100	0.0358		mg/L		36	10 - 120
4-Methylphenol	0.0500	0.0367		mg/L		73	29 - 131
Hexachlorobenzene	0.0500	0.0533		mg/L		107	61 - 120
Hexachlorobutadiene	0.0500	0.0358		mg/L		72	35 - 120
Hexachloroethane	0.0500	0.0315		mg/L		63	43 - 120
Nitrobenzene	0.0500	0.0443		mg/L		89	53 - 123
Pentachlorophenol	0.100	0.0885		mg/L		88	29 - 136

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	103		41 - 120
2-Fluorobiphenyl	94		48 - 120
2-Fluorophenol (Surr)	50		35 - 120
Nitrobenzene-d5 (Surr)	93		46 - 120
Phenol-d5 (Surr)	37		22 - 120
p-Terphenyl-d14 (Surr)	111		59 - 136

Lab Sample ID: LCSD 480-452976/3-A

Matrix: Solid

Analysis Batch: 453188

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 452976

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0500	0.0324		mg/L		65	51 - 120	5	36
2,4,5-Trichlorophenol	0.0500	0.0466		mg/L		93	65 - 126	5	18
2,4,6-Trichlorophenol	0.0500	0.0467		mg/L		93	64 - 120	1	19
2,4-Dinitrotoluene	0.0500	0.0505		mg/L		101	69 - 120	1	20
3-Methylphenol	0.0500	0.0343		mg/L		69	39 - 120	7	30
2-Methylphenol	0.0500	0.0375		mg/L		75	39 - 120	10	27
Pyridine	0.100	0.0277		mg/L		28	10 - 120	25	49
4-Methylphenol	0.0500	0.0343		mg/L		69	29 - 131	7	24
Hexachlorobenzene	0.0500	0.0489		mg/L		98	61 - 120	9	15

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-452976/3-A

Matrix: Solid

Analysis Batch: 453188

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 452976

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobutadiene	0.0500	0.0361		mg/L		72	35 - 120	1	44
Hexachloroethane	0.0500	0.0291		mg/L		58	43 - 120	8	46
Nitrobenzene	0.0500	0.0417		mg/L		83	53 - 123	6	24
Pentachlorophenol	0.100	0.0877		mg/L		88	29 - 136	1	37

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	98		41 - 120
2-Fluorobiphenyl	96		48 - 120
2-Fluorophenol (Surr)	50		35 - 120
Nitrobenzene-d5 (Surr)	91		46 - 120
Phenol-d5 (Surr)	37		22 - 120
p-Terphenyl-d14 (Surr)	107		59 - 136

Lab Sample ID: MB 480-453021/1-A

Matrix: Solid

Analysis Batch: 454000

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 453021

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		170	46	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
2,4,6-Trichlorophenol	ND		170	34	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
2,4-Dimethylphenol	ND		170	41	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
2,4-Dinitrophenol	ND		1700	780	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
2,4-Dinitrotoluene	ND		170	35	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
2-Chloronaphthalene	ND		170	28	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
2-Chlorophenol	ND		170	31	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
2-Methylnaphthalene	ND		170	34	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
2-Methylphenol	ND		170	20	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
2-Nitroaniline	ND		330	25	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
2-Nitrophenol	ND		170	48	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
3,3'-Dichlorobenzidine	ND		330	200	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
3-Nitroaniline	ND		330	47	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
4,6-Dinitro-2-methylphenol	ND		330	170	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
4-Bromophenyl phenyl ether	ND		170	24	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
4-Chloro-3-methylphenol	ND		170	42	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
4-Chloroaniline	ND		170	42	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Methylphenol, 3 & 4	ND		330	20	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
4-Nitroaniline	ND		330	88	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
4-Nitrophenol	ND		330	120	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Acenaphthene	ND		170	25	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Acenaphthylene	ND		170	22	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Acetophenone	ND		170	23	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Anthracene	ND		170	42	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Atrazine	ND		170	59	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Benzaldehyde	ND		170	130	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Benzo[a]anthracene	ND		170	17	ug/Kg		12/29/18 10:32	01/08/19 01:11	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-453021/1-A

Matrix: Solid

Analysis Batch: 454000

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 453021

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		170	25	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Benzo[b]fluoranthene	ND		170	27	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Biphenyl	ND		170	25	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
bis (2-chloroisopropyl) ether	ND		170	34	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Bis(2-chloroethoxy)methane	ND		170	36	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Bis(2-chloroethyl)ether	ND		170	22	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Bis(2-ethylhexyl) phthalate	ND		170	58	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Butyl benzyl phthalate	ND		170	28	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Caprolactam	ND		170	51	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Carbazole	ND		170	20	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Chrysene	ND		170	38	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Dibenz(a,h)anthracene	ND		170	30	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Dibenzofuran	ND		170	20	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Diethyl phthalate	ND		170	22	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Dimethyl phthalate	ND		170	20	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Di-n-butyl phthalate	ND		170	29	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Fluoranthene	ND		170	18	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Fluorene	ND		170	20	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Hexachlorobenzene	ND		170	23	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Hexachlorobutadiene	ND		170	25	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Hexachlorocyclopentadiene	ND		170	23	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Hexachloroethane	ND		170	22	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Isophorone	ND		170	36	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Naphthalene	ND		170	22	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Nitrobenzene	ND		170	19	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
N-Nitrosodi-n-propylamine	ND		170	29	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
N-Nitrosodiphenylamine	ND		170	140	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Pentachlorophenol	ND		330	170	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Phenanthrene	ND		170	25	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Phenol	ND		170	26	ug/Kg		12/29/18 10:32	01/08/19 01:11	1
Pyrene	ND		170	20	ug/Kg		12/29/18 10:32	01/08/19 01:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		54 - 120	12/29/18 10:32	01/08/19 01:11	1
2-Fluorobiphenyl	93		60 - 120	12/29/18 10:32	01/08/19 01:11	1
2-Fluorophenol (Surr)	75		52 - 120	12/29/18 10:32	01/08/19 01:11	1
Nitrobenzene-d5 (Surr)	83		53 - 120	12/29/18 10:32	01/08/19 01:11	1
Phenol-d5 (Surr)	79		54 - 120	12/29/18 10:32	01/08/19 01:11	1
p-Terphenyl-d14 (Surr)	103		65 - 121	12/29/18 10:32	01/08/19 01:11	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-453021/2-A

Matrix: Solid

Analysis Batch: 454000

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 453021

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2,4,5-Trichlorophenol	1660	1490		ug/Kg		90	59 - 126
2,4,6-Trichlorophenol	1660	1400		ug/Kg		84	59 - 123
2,4-Dichlorophenol	1660	1400		ug/Kg		84	61 - 120
2,4-Dimethylphenol	1660	1380		ug/Kg		83	59 - 120
2,4-Dinitrophenol	3320	2170		ug/Kg		65	41 - 146
2,4-Dinitrotoluene	1660	1540		ug/Kg		93	63 - 120
2,6-Dinitrotoluene	1660	1480		ug/Kg		89	66 - 120
2-Chloronaphthalene	1660	1380		ug/Kg		83	57 - 120
2-Chlorophenol	1660	1200		ug/Kg		72	53 - 120
2-Methylnaphthalene	1660	1370		ug/Kg		83	59 - 120
2-Methylphenol	1660	1200		ug/Kg		72	54 - 120
2-Nitroaniline	1660	1380		ug/Kg		83	61 - 120
2-Nitrophenol	1660	1320		ug/Kg		79	56 - 120
3,3'-Dichlorobenzidine	3320	2700		ug/Kg		81	54 - 120
3-Nitroaniline	1660	1300		ug/Kg		78	48 - 120
4,6-Dinitro-2-methylphenol	3320	2800		ug/Kg		84	49 - 122
4-Bromophenyl phenyl ether	1660	1570		ug/Kg		95	58 - 120
4-Chloro-3-methylphenol	1660	1470		ug/Kg		88	61 - 120
4-Chloroaniline	1660	1160		ug/Kg		70	38 - 120
4-Chlorophenyl phenyl ether	1660	1500		ug/Kg		90	63 - 124
Methylphenol, 3 & 4	1660	1250		ug/Kg		75	55 - 120
4-Nitroaniline	1660	1390		ug/Kg		84	56 - 120
4-Nitrophenol	3320	3510		ug/Kg		106	43 - 147
Acenaphthene	1660	1400		ug/Kg		84	62 - 120
Acenaphthylene	1660	1420		ug/Kg		86	58 - 121
Acetophenone	1660	1270		ug/Kg		76	54 - 120
Anthracene	1660	1550		ug/Kg		94	62 - 120
Atrazine	3320	3050		ug/Kg		92	60 - 127
Benzaldehyde	3320	2270		ug/Kg		68	10 - 150
Benzo[a]anthracene	1660	1560		ug/Kg		94	65 - 120
Benzo[a]pyrene	1660	1530		ug/Kg		92	64 - 120
Benzo[b]fluoranthene	1660	1540		ug/Kg		93	64 - 120
Benzo[g,h,i]perylene	1660	1850		ug/Kg		111	45 - 145
Benzo[k]fluoranthene	1660	1430		ug/Kg		86	65 - 120
Biphenyl	1660	1400		ug/Kg		84	59 - 120
bis (2-chloroisopropyl) ether	1660	724		ug/Kg		44	44 - 120
Bis(2-chloroethoxy)methane	1660	1220		ug/Kg		74	55 - 120
Bis(2-chloroethyl)ether	1660	1070		ug/Kg		64	45 - 120
Bis(2-ethylhexyl) phthalate	1660	1660		ug/Kg		100	61 - 133
Butyl benzyl phthalate	1660	1650		ug/Kg		99	61 - 129
Caprolactam	3320	2740		ug/Kg		82	47 - 120
Carbazole	1660	1530		ug/Kg		92	65 - 120
Chrysene	1660	1520		ug/Kg		91	64 - 120
Dibenz(a,h)anthracene	1660	1820		ug/Kg		110	54 - 132
Dibenzofuran	1660	1430		ug/Kg		86	63 - 120
Diethyl phthalate	1660	1610		ug/Kg		97	66 - 120
Dimethyl phthalate	1660	1500		ug/Kg		90	65 - 124
Di-n-butyl phthalate	1660	1620		ug/Kg		98	58 - 130

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-453021/2-A

Matrix: Solid

Analysis Batch: 454000

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 453021

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Di-n-octyl phthalate	1660	1590		ug/Kg		96	57 - 133
Fluoranthene	1660	1520		ug/Kg		92	62 - 120
Fluorene	1660	1430		ug/Kg		86	63 - 120
Hexachlorobenzene	1660	1660		ug/Kg		100	60 - 120
Hexachlorobutadiene	1660	1420		ug/Kg		85	45 - 120
Hexachlorocyclopentadiene	1660	1350		ug/Kg		82	47 - 120
Hexachloroethane	1660	1120		ug/Kg		68	41 - 120
Indeno[1,2,3-cd]pyrene	1660	1800		ug/Kg		108	56 - 134
Isophorone	1660	1260		ug/Kg		76	56 - 120
Naphthalene	1660	1250		ug/Kg		75	55 - 120
Nitrobenzene	1660	1190		ug/Kg		71	54 - 120
N-Nitrosodi-n-propylamine	1660	1140		ug/Kg		68	52 - 120
N-Nitrosodiphenylamine	1660	1550		ug/Kg		94	51 - 128
Pentachlorophenol	3320	2930		ug/Kg		88	51 - 120
Phenanthrene	1660	1480		ug/Kg		89	60 - 120
Phenol	1660	1120		ug/Kg		68	53 - 120
Pyrene	1660	1620		ug/Kg		97	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	104		54 - 120
2-Fluorobiphenyl	87		60 - 120
2-Fluorophenol (Surr)	68		52 - 120
Nitrobenzene-d5 (Surr)	77		53 - 120
Phenol-d5 (Surr)	74		54 - 120
p-Terphenyl-d14 (Surr)	102		65 - 121

Lab Sample ID: LB 480-452708/1-F

Matrix: Solid

Analysis Batch: 453188

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 452976

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		12/28/18 15:48	12/31/18 20:02	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		12/28/18 15:48	12/31/18 20:02	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		12/28/18 15:48	12/31/18 20:02	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		12/28/18 15:48	12/31/18 20:02	1
3-Methylphenol	ND		0.010	0.00040	mg/L		12/28/18 15:48	12/31/18 20:02	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		12/28/18 15:48	12/31/18 20:02	1
Pyridine	ND		0.025	0.00041	mg/L		12/28/18 15:48	12/31/18 20:02	1
4-Methylphenol	ND		0.010	0.00036	mg/L		12/28/18 15:48	12/31/18 20:02	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		12/28/18 15:48	12/31/18 20:02	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		12/28/18 15:48	12/31/18 20:02	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		12/28/18 15:48	12/31/18 20:02	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		12/28/18 15:48	12/31/18 20:02	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		12/28/18 15:48	12/31/18 20:02	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		41 - 120	12/28/18 15:48	12/31/18 20:02	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 480-452708/1-F

Matrix: Solid

Analysis Batch: 453188

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 452976

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	87		48 - 120	12/28/18 15:48	12/31/18 20:02	1
2-Fluorophenol (Surr)	48		35 - 120	12/28/18 15:48	12/31/18 20:02	1
Nitrobenzene-d5 (Surr)	78		46 - 120	12/28/18 15:48	12/31/18 20:02	1
Phenol-d5 (Surr)	34		22 - 120	12/28/18 15:48	12/31/18 20:02	1
p-Terphenyl-d14 (Surr)	105		59 - 136	12/28/18 15:48	12/31/18 20:02	1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-452882/1-A

Matrix: Solid

Analysis Batch: 453132

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 452882

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.00050	0.0000073	mg/L		12/28/18 10:28	12/31/18 11:27	1
Endrin	ND		0.000050	0.0000035	mg/L		12/28/18 10:28	12/31/18 11:27	1
gamma-BHC (Lindane)	ND		0.000050	0.0000015	mg/L		12/28/18 10:28	12/31/18 11:27	1
Heptachlor	ND		0.000050	0.0000021	mg/L		12/28/18 10:28	12/31/18 11:27	1
Heptachlor epoxide	ND		0.000050	0.0000013	mg/L		12/28/18 10:28	12/31/18 11:27	1
Methoxychlor	ND		0.000050	0.0000035	mg/L		12/28/18 10:28	12/31/18 11:27	1
Toxaphene	ND		0.00050	0.000030	mg/L		12/28/18 10:28	12/31/18 11:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	58		20 - 120	12/28/18 10:28	12/31/18 11:27	1
DCB Decachlorobiphenyl	61		20 - 120	12/28/18 10:28	12/31/18 11:27	1
Tetrachloro-m-xylene	87		44 - 120	12/28/18 10:28	12/31/18 11:27	1
Tetrachloro-m-xylene	72		44 - 120	12/28/18 10:28	12/31/18 11:27	1

Lab Sample ID: LCS 480-452882/2-A

Matrix: Solid

Analysis Batch: 453132

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 452882

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Endrin	0.000500	0.000491		mg/L		98	65 - 135
gamma-BHC (Lindane)	0.000500	0.000454		mg/L		91	56 - 120
Heptachlor	0.000500	0.000434		mg/L		87	58 - 120
Heptachlor epoxide	0.000500	0.000497		mg/L		99	65 - 125
Methoxychlor	0.000500	0.000593		mg/L		119	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	52		20 - 120
DCB Decachlorobiphenyl	63		20 - 120
Tetrachloro-m-xylene	88		44 - 120
Tetrachloro-m-xylene	76		44 - 120

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 480-452882/3-A

Matrix: Solid

Analysis Batch: 453132

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 452882

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endrin	0.000500	0.000486		mg/L		97	65 - 135	1	24
gamma-BHC (Lindane)	0.000500	0.000444		mg/L		89	56 - 120	2	24
Heptachlor	0.000500	0.000416		mg/L		83	58 - 120	4	25
Heptachlor epoxide	0.000500	0.000480		mg/L		96	65 - 125	4	23
Methoxychlor	0.000500	0.000589		mg/L		118	50 - 150	1	26

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	47		20 - 120
DCB Decachlorobiphenyl	60		20 - 120
Tetrachloro-m-xylene	84		44 - 120
Tetrachloro-m-xylene	72		44 - 120

Lab Sample ID: LB 480-452708/1-D

Matrix: Solid

Analysis Batch: 453132

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 452882

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0020	0.000029	mg/L		12/28/18 10:28	12/31/18 12:25	1
Endrin	ND		0.00020	0.000014	mg/L		12/28/18 10:28	12/31/18 12:25	1
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		12/28/18 10:28	12/31/18 12:25	1
Heptachlor	ND		0.00020	0.0000085	mg/L		12/28/18 10:28	12/31/18 12:25	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		12/28/18 10:28	12/31/18 12:25	1
Methoxychlor	ND		0.00020	0.000014	mg/L		12/28/18 10:28	12/31/18 12:25	1
Toxaphene	ND		0.0020	0.00012	mg/L		12/28/18 10:28	12/31/18 12:25	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	66		20 - 120	12/28/18 10:28	12/31/18 12:25	1
DCB Decachlorobiphenyl	77		20 - 120	12/28/18 10:28	12/31/18 12:25	1
Tetrachloro-m-xylene	92		44 - 120	12/28/18 10:28	12/31/18 12:25	1
Tetrachloro-m-xylene	74		44 - 120	12/28/18 10:28	12/31/18 12:25	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-453594/1-A

Matrix: Solid

Analysis Batch: 453695

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 453594

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.046	mg/Kg		01/03/19 14:18	01/04/19 14:52	1
PCB-1221	ND		0.23	0.046	mg/Kg		01/03/19 14:18	01/04/19 14:52	1
PCB-1232	ND		0.23	0.046	mg/Kg		01/03/19 14:18	01/04/19 14:52	1
PCB-1242	ND		0.23	0.046	mg/Kg		01/03/19 14:18	01/04/19 14:52	1
PCB-1248	ND		0.23	0.046	mg/Kg		01/03/19 14:18	01/04/19 14:52	1
PCB-1254	ND		0.23	0.11	mg/Kg		01/03/19 14:18	01/04/19 14:52	1
PCB-1260	ND		0.23	0.11	mg/Kg		01/03/19 14:18	01/04/19 14:52	1
PCB-1262	ND		0.23	0.11	mg/Kg		01/03/19 14:18	01/04/19 14:52	1
PCB-1268	ND		0.23	0.11	mg/Kg		01/03/19 14:18	01/04/19 14:52	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 480-453594/1-A
Matrix: Solid
Analysis Batch: 453695

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453594

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	103		60 - 154	01/03/19 14:18	01/04/19 14:52	1
Tetrachloro-m-xylene	111		60 - 154	01/03/19 14:18	01/04/19 14:52	1
DCB Decachlorobiphenyl	95		65 - 174	01/03/19 14:18	01/04/19 14:52	1
DCB Decachlorobiphenyl	141		65 - 174	01/03/19 14:18	01/04/19 14:52	1

Lab Sample ID: LCS 480-453594/2-A
Matrix: Solid
Analysis Batch: 453695

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453594

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	2.29	2.94		mg/Kg		128	51 - 185
PCB-1260	2.29	2.67		mg/Kg		116	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	128		60 - 154
Tetrachloro-m-xylene	123		60 - 154
DCB Decachlorobiphenyl	113		65 - 174
DCB Decachlorobiphenyl	164		65 - 174

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-452874/1-A
Matrix: Solid
Analysis Batch: 454776

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452874

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.00050	0.000090	mg/L		12/28/18 10:20	01/11/19 22:53	1
2,4-D	ND		0.00050	0.00010	mg/L		12/28/18 10:20	01/11/19 22:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	73		48 - 132	12/28/18 10:20	01/11/19 22:53	1
2,4-Dichlorophenylacetic acid	64		48 - 132	12/28/18 10:20	01/11/19 22:53	1

Lab Sample ID: LCS 480-452874/2-A
Matrix: Solid
Analysis Batch: 454776

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452874

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silvex (2,4,5-TP)	0.00200	0.00135		mg/L		68	49 - 150
2,4-D	0.00200	0.00228		mg/L		114	36 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	77		48 - 132
2,4-Dichlorophenylacetic acid	60		48 - 132

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCSD 480-452874/3-A

Matrix: Solid

Analysis Batch: 454776

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 452874

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silvex (2,4,5-TP)	0.00200	0.00118		mg/L		59	49 - 150	14	50
2,4-D	0.00200	0.00165		mg/L		82	36 - 150	32	50
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
2,4-Dichlorophenylacetic acid	54		48 - 132						
2,4-Dichlorophenylacetic acid	38	X	48 - 132						

Lab Sample ID: LB 480-452708/1-C

Matrix: Solid

Analysis Batch: 454776

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 452874

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		12/28/18 10:20	01/12/19 00:22	1
2,4-D	ND		0.0020	0.00040	mg/L		12/28/18 10:20	01/12/19 00:22	1
Surrogate	LB %Recovery	LB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	46	X	48 - 132				12/28/18 10:20	01/12/19 00:22	1
2,4-Dichlorophenylacetic acid	39	X	48 - 132				12/28/18 10:20	01/12/19 00:22	1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-452870/2-A

Matrix: Solid

Analysis Batch: 453122

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 452870

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		12/28/18 10:03	12/28/18 19:29	1
Barium	ND		1.0	0.10	mg/L		12/28/18 10:03	12/28/18 19:29	1
Cadmium	ND		0.0020	0.00050	mg/L		12/28/18 10:03	12/28/18 19:29	1
Chromium	ND		0.020	0.010	mg/L		12/28/18 10:03	12/28/18 19:29	1
Lead	ND		0.020	0.0030	mg/L		12/28/18 10:03	12/28/18 19:29	1
Selenium	ND		0.025	0.0087	mg/L		12/28/18 10:03	12/28/18 19:29	1
Silver	ND		0.0060	0.0017	mg/L		12/28/18 10:03	12/28/18 19:29	1

Lab Sample ID: LCS 480-452870/3-A

Matrix: Solid

Analysis Batch: 453122

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 452870

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic	1.00	1.07		mg/L		107	80 - 120		
Barium	1.00	0.955	J	mg/L		96	80 - 120		
Cadmium	1.00	1.03		mg/L		103	80 - 120		
Chromium	1.00	0.946		mg/L		95	80 - 120		
Lead	1.00	1.01		mg/L		101	80 - 120		
Selenium	1.00	1.01		mg/L		101	80 - 120		
Silver	1.00	1.04		mg/L		104	80 - 120		

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-453019/1-A
Matrix: Solid
Analysis Batch: 453584

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453019

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		9.9	4.3	mg/Kg		12/31/18 08:29	01/03/19 10:18	1
Antimony	ND		14.8	0.39	mg/Kg		12/31/18 08:29	01/03/19 10:18	1
Arsenic	ND		2.0	0.39	mg/Kg		12/31/18 08:29	01/03/19 10:18	1
Barium	ND		0.49	0.11	mg/Kg		12/31/18 08:29	01/03/19 10:18	1
Beryllium	ND		0.20	0.028	mg/Kg		12/31/18 08:29	01/03/19 10:18	1
Cadmium	ND		0.20	0.030	mg/Kg		12/31/18 08:29	01/03/19 10:18	1
Calcium	4.67	J	49.3	3.3	mg/Kg		12/31/18 08:29	01/03/19 10:18	1
Chromium	ND		0.49	0.20	mg/Kg		12/31/18 08:29	01/03/19 10:18	1
Cobalt	ND		0.49	0.049	mg/Kg		12/31/18 08:29	01/03/19 10:18	1
Copper	ND		0.99	0.21	mg/Kg		12/31/18 08:29	01/03/19 10:18	1
Iron	ND		9.9	3.5	mg/Kg		12/31/18 08:29	01/03/19 10:18	1
Lead	ND		0.99	0.24	mg/Kg		12/31/18 08:29	01/03/19 10:18	1
Magnesium	ND		19.7	0.91	mg/Kg		12/31/18 08:29	01/03/19 10:18	1
Manganese	0.0739	J	0.20	0.032	mg/Kg		12/31/18 08:29	01/03/19 10:18	1
Nickel	ND		4.9	0.23	mg/Kg		12/31/18 08:29	01/03/19 10:18	1
Potassium	ND		29.6	19.7	mg/Kg		12/31/18 08:29	01/03/19 10:18	1
Selenium	ND		3.9	0.39	mg/Kg		12/31/18 08:29	01/03/19 10:18	1
Silver	ND		0.59	0.20	mg/Kg		12/31/18 08:29	01/03/19 10:18	1
Sodium	ND		138	12.8	mg/Kg		12/31/18 08:29	01/03/19 10:18	1
Thallium	ND		5.9	0.30	mg/Kg		12/31/18 08:29	01/03/19 10:18	1
Vanadium	ND		0.49	0.11	mg/Kg		12/31/18 08:29	01/03/19 10:18	1
Zinc	ND		2.0	0.63	mg/Kg		12/31/18 08:29	01/03/19 10:18	1

Lab Sample ID: LCSSRM 480-453019/2-A
Matrix: Solid
Analysis Batch: 453584

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453019

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10100	8436		mg/Kg		83.5	41.6 - 123.8
Antimony	145	48.24		mg/Kg		33.3	10.0 - 137.2
Arsenic	171	128.1		mg/Kg		74.9	66.1 - 122.2
Barium	272	206.1		mg/Kg		75.8	71.7 - 119.5
Beryllium	102	80.41		mg/Kg		78.8	71.8 - 119.6
Cadmium	225	169.4		mg/Kg		75.3	70.2 - 117.3
Calcium	5190	3764		mg/Kg		72.5	66.7 - 117.0
Chromium	144	108.8		mg/Kg		75.6	66.1 - 122.9
Cobalt	48.8	41.55		mg/Kg		85.1	74.0 - 123.4
Copper	174	140.0		mg/Kg		80.5	71.3 - 119.0
Iron	15000	12250		mg/Kg		81.7	32.9 - 154.7

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-453019/2-A
Matrix: Solid
Analysis Batch: 453584

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453019

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	111	91.53		mg/Kg		82.5	71.0 - 128.8
Magnesium	2570	1963		mg/Kg		76.4	56.4 - 125.3
Manganese	232	190.0		mg/Kg		81.9	71.1 - 125.4
Nickel	98.3	80.50		mg/Kg		81.9	65.4 - 121.1
Potassium	2420	2053		mg/Kg		84.8	49.2 - 117.8
Selenium	206	153.6		mg/Kg		74.5	63.6 - 122.3
Silver	45.5	33.41		mg/Kg		73.4	66.2 - 124.2
Sodium	252	197.7		mg/Kg		78.4	41.7 - 131.7
Thallium	167	134.9		mg/Kg		80.8	65.9 - 121.0
Vanadium	61.8	51.50		mg/Kg		83.3	52.1 - 131.6
Zinc	207	156.0		mg/Kg		75.4	67.1 - 125.1

Lab Sample ID: LB 480-452708/1-B
Matrix: Solid
Analysis Batch: 453122

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 452870

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		12/28/18 10:03	12/28/18 19:26	1
Barium	ND		1.0	0.10	mg/L		12/28/18 10:03	12/28/18 19:26	1
Cadmium	ND		0.0020	0.00050	mg/L		12/28/18 10:03	12/28/18 19:26	1
Chromium	ND		0.020	0.010	mg/L		12/28/18 10:03	12/28/18 19:26	1
Lead	ND		0.020	0.0030	mg/L		12/28/18 10:03	12/28/18 19:26	1
Selenium	ND		0.025	0.0087	mg/L		12/28/18 10:03	12/28/18 19:26	1
Silver	ND		0.0060	0.0017	mg/L		12/28/18 10:03	12/28/18 19:26	1

Lab Sample ID: 480-147244-1 MS
Matrix: Solid
Analysis Batch: 453122

Client Sample ID: Blending Room Drainage Trench
Prep Type: TCLP
Prep Batch: 452870

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		1.00	1.08		mg/L		108	75 - 125
Barium	1.9		1.00	2.79		mg/L		94	75 - 125
Cadmium	0.19		1.00	1.22		mg/L		103	75 - 125
Chromium	0.022		1.00	0.961		mg/L		94	75 - 125
Lead	4.7		1.00	5.59	4	mg/L		92	75 - 125
Selenium	ND		1.00	1.03		mg/L		103	75 - 125
Silver	ND		1.00	1.05		mg/L		105	75 - 125

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-147244-1 MSD

Matrix: Solid

Analysis Batch: 453122

Client Sample ID: Blending Room Drainage Trench

Prep Type: TCLP

Prep Batch: 452870

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		1.00	1.06		mg/L		106	75 - 125	1	20
Barium	1.9		1.00	2.77		mg/L		91	75 - 125	1	20
Cadmium	0.19		1.00	1.21		mg/L		102	75 - 125	1	20
Chromium	0.022		1.00	0.960		mg/L		94	75 - 125	0	20
Lead	4.7		1.00	5.57	4	mg/L		90	75 - 125	0	20
Selenium	ND		1.00	1.00		mg/L		100	75 - 125	3	20
Silver	ND		1.00	1.04		mg/L		104	75 - 125	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-452885/2-A

Matrix: Solid

Analysis Batch: 452972

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 452885

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/28/18 11:20	12/28/18 14:47	1

Lab Sample ID: LCS 480-452885/3-A

Matrix: Solid

Analysis Batch: 452972

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 452885

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00668	0.00613		mg/L		92	80 - 120

Lab Sample ID: LB 480-452708/1-E

Matrix: Solid

Analysis Batch: 452972

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 452885

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/28/18 11:20	12/28/18 14:45	1

Lab Sample ID: 480-147244-1 MS

Matrix: Solid

Analysis Batch: 452972

Client Sample ID: Blending Room Drainage Trench

Prep Type: TCLP

Prep Batch: 452885

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00668	0.00548		mg/L		82	80 - 120

Lab Sample ID: 480-147244-1 MSD

Matrix: Solid

Analysis Batch: 452972

Client Sample ID: Blending Room Drainage Trench

Prep Type: TCLP

Prep Batch: 452885

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00668	0.00558		mg/L		84	80 - 120	2	20

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-453324/1-A
Matrix: Solid
Analysis Batch: 453385

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453324

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.019	0.0078	mg/Kg	-	01/02/19 12:15	01/02/19 13:13	1

Lab Sample ID: LCSSRM 480-453324/2-A ^10
Matrix: Solid
Analysis Batch: 453385

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453324

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	12.0	13.54		mg/Kg	-	112.8	57.3 - 133. 3

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

GC/MS VOA

Analysis Batch: 452427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-452484/3-A	Method Blank	Total/NA	Solid	8260C	452484
LCS 480-452484/1-A	Lab Control Sample	Total/NA	Solid	8260C	452484

Prep Batch: 452484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-2	NW Main Building Vault	Total/NA	Solid	5035A_H	
480-147244-4	Far Back Room Wood Blocks	Total/NA	Solid	5035A_H	
MB 480-452484/3-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-452484/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 452494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	Total/NA	Solid	8260C	452524
480-147244-3	Pigeon Room Wood Block Base	Total/NA	Solid	8260C	452524
MB 480-452524/2-A	Method Blank	Total/NA	Solid	8260C	452524
LCS 480-452524/1-A	Lab Control Sample	Total/NA	Solid	8260C	452524

Prep Batch: 452524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	Total/NA	Solid	5035A_L	
480-147244-3	Pigeon Room Wood Block Base	Total/NA	Solid	5035A_L	
MB 480-452524/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-452524/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 452616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-2	NW Main Building Vault	Total/NA	Solid	8260C	452484
480-147244-4	Far Back Room Wood Blocks	Total/NA	Solid	8260C	452484

Leach Batch: 452726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	TCLP	Solid	1311	
480-147244-2	NW Main Building Vault	TCLP	Solid	1311	
480-147244-3	Pigeon Room Wood Block Base	TCLP	Solid	1311	
480-147244-4	Far Back Room Wood Blocks	TCLP	Solid	1311	
LB 480-452726/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 452830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	TCLP	Solid	8260C	452726
480-147244-2	NW Main Building Vault	TCLP	Solid	8260C	452726
480-147244-3	Pigeon Room Wood Block Base	TCLP	Solid	8260C	452726
480-147244-4	Far Back Room Wood Blocks	TCLP	Solid	8260C	452726
LB 480-452726/1-A	Method Blank	TCLP	Solid	8260C	452726
MB 480-452830/8	Method Blank	Total/NA	Solid	8260C	
LCS 480-452830/5	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 480-452830/6	Lab Control Sample Dup	Total/NA	Solid	8260C	

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

GC/MS Semi VOA

Leach Batch: 452708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	TCLP	Solid	1311	
480-147244-2	NW Main Building Vault	TCLP	Solid	1311	
480-147244-3	Pigeon Room Wood Block Base	TCLP	Solid	1311	
480-147244-4	Far Back Room Wood Blocks	TCLP	Solid	1311	
LB 480-452708/1-F	Method Blank	TCLP	Solid	1311	

Prep Batch: 452976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	TCLP	Solid	3510C	452708
480-147244-2	NW Main Building Vault	TCLP	Solid	3510C	452708
480-147244-3	Pigeon Room Wood Block Base	TCLP	Solid	3510C	452708
480-147244-4	Far Back Room Wood Blocks	TCLP	Solid	3510C	452708
LB 480-452708/1-F	Method Blank	TCLP	Solid	3510C	452708
MB 480-452976/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 480-452976/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 480-452976/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 453021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	Total/NA	Solid	3550C	
480-147244-2	NW Main Building Vault	Total/NA	Solid	3550C	
480-147244-3	Pigeon Room Wood Block Base	Total/NA	Solid	3550C	
480-147244-4	Far Back Room Wood Blocks	Total/NA	Solid	3550C	
MB 480-453021/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-453021/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 453188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	TCLP	Solid	8270D	452976
480-147244-2	NW Main Building Vault	TCLP	Solid	8270D	452976
480-147244-3	Pigeon Room Wood Block Base	TCLP	Solid	8270D	452976
480-147244-4	Far Back Room Wood Blocks	TCLP	Solid	8270D	452976
LB 480-452708/1-F	Method Blank	TCLP	Solid	8270D	452976
MB 480-452976/1-A	Method Blank	Total/NA	Solid	8270D	452976
LCS 480-452976/2-A	Lab Control Sample	Total/NA	Solid	8270D	452976
LCSD 480-452976/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	452976

Analysis Batch: 454000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	Total/NA	Solid	8270D	453021
480-147244-2	NW Main Building Vault	Total/NA	Solid	8270D	453021
MB 480-453021/1-A	Method Blank	Total/NA	Solid	8270D	453021
LCS 480-453021/2-A	Lab Control Sample	Total/NA	Solid	8270D	453021

Analysis Batch: 454228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-3	Pigeon Room Wood Block Base	Total/NA	Solid	8270D	453021
480-147244-4	Far Back Room Wood Blocks	Total/NA	Solid	8270D	453021

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

GC Semi VOA

Leach Batch: 452708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	TCLP	Solid	1311	
480-147244-2	NW Main Building Vault	TCLP	Solid	1311	
480-147244-3	Pigeon Room Wood Block Base	TCLP	Solid	1311	
480-147244-4	Far Back Room Wood Blocks	TCLP	Solid	1311	
LB 480-452708/1-C	Method Blank	TCLP	Solid	1311	
LB 480-452708/1-D	Method Blank	TCLP	Solid	1311	

Prep Batch: 452874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	TCLP	Solid	8151A	452708
480-147244-2	NW Main Building Vault	TCLP	Solid	8151A	452708
480-147244-3	Pigeon Room Wood Block Base	TCLP	Solid	8151A	452708
480-147244-4	Far Back Room Wood Blocks	TCLP	Solid	8151A	452708
LB 480-452708/1-C	Method Blank	TCLP	Solid	8151A	452708
MB 480-452874/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-452874/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 480-452874/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Prep Batch: 452882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	TCLP	Solid	3510C	452708
480-147244-2	NW Main Building Vault	TCLP	Solid	3510C	452708
480-147244-3	Pigeon Room Wood Block Base	TCLP	Solid	3510C	452708
480-147244-4	Far Back Room Wood Blocks	TCLP	Solid	3510C	452708
LB 480-452708/1-D	Method Blank	TCLP	Solid	3510C	452708
MB 480-452882/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 480-452882/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 480-452882/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 453132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	TCLP	Solid	8081B	452882
480-147244-2	NW Main Building Vault	TCLP	Solid	8081B	452882
480-147244-3	Pigeon Room Wood Block Base	TCLP	Solid	8081B	452882
480-147244-4	Far Back Room Wood Blocks	TCLP	Solid	8081B	452882
LB 480-452708/1-D	Method Blank	TCLP	Solid	8081B	452882
MB 480-452882/1-A	Method Blank	Total/NA	Solid	8081B	452882
LCS 480-452882/2-A	Lab Control Sample	Total/NA	Solid	8081B	452882
LCSD 480-452882/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	452882

Prep Batch: 453594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	Total/NA	Solid	3550C	
480-147244-2	NW Main Building Vault	Total/NA	Solid	3550C	
480-147244-3	Pigeon Room Wood Block Base	Total/NA	Solid	3550C	
480-147244-4	Far Back Room Wood Blocks	Total/NA	Solid	3550C	
MB 480-453594/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-453594/2-A	Lab Control Sample	Total/NA	Solid	3550C	

TestAmerica Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

GC Semi VOA (Continued)

Analysis Batch: 453695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	Total/NA	Solid	8082A	453594
480-147244-2	NW Main Building Vault	Total/NA	Solid	8082A	453594
480-147244-3	Pigeon Room Wood Block Base	Total/NA	Solid	8082A	453594
480-147244-4	Far Back Room Wood Blocks	Total/NA	Solid	8082A	453594
MB 480-453594/1-A	Method Blank	Total/NA	Solid	8082A	453594
LCS 480-453594/2-A	Lab Control Sample	Total/NA	Solid	8082A	453594

Analysis Batch: 454776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	TCLP	Solid	8151A	452874
480-147244-2	NW Main Building Vault	TCLP	Solid	8151A	452874
480-147244-3	Pigeon Room Wood Block Base	TCLP	Solid	8151A	452874
480-147244-4	Far Back Room Wood Blocks	TCLP	Solid	8151A	452874
LB 480-452708/1-C	Method Blank	TCLP	Solid	8151A	452874
MB 480-452874/1-A	Method Blank	Total/NA	Solid	8151A	452874
LCS 480-452874/2-A	Lab Control Sample	Total/NA	Solid	8151A	452874
LCSD 480-452874/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	452874

Metals

Leach Batch: 452708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	TCLP	Solid	1311	
480-147244-2	NW Main Building Vault	TCLP	Solid	1311	
480-147244-3	Pigeon Room Wood Block Base	TCLP	Solid	1311	
480-147244-4	Far Back Room Wood Blocks	TCLP	Solid	1311	
LB 480-452708/1-B	Method Blank	TCLP	Solid	1311	
LB 480-452708/1-E	Method Blank	TCLP	Solid	1311	
480-147244-1 MS	Blending Room Drainage Trench	TCLP	Solid	1311	
480-147244-1 MSD	Blending Room Drainage Trench	TCLP	Solid	1311	

Prep Batch: 452870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	TCLP	Solid	3010A	452708
480-147244-2	NW Main Building Vault	TCLP	Solid	3010A	452708
480-147244-3	Pigeon Room Wood Block Base	TCLP	Solid	3010A	452708
480-147244-4	Far Back Room Wood Blocks	TCLP	Solid	3010A	452708
LB 480-452708/1-B	Method Blank	TCLP	Solid	3010A	452708
MB 480-452870/2-A	Method Blank	Total/NA	Solid	3010A	
LCS 480-452870/3-A	Lab Control Sample	Total/NA	Solid	3010A	
480-147244-1 MS	Blending Room Drainage Trench	TCLP	Solid	3010A	452708
480-147244-1 MSD	Blending Room Drainage Trench	TCLP	Solid	3010A	452708

Prep Batch: 452885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	TCLP	Solid	7470A	452708
480-147244-2	NW Main Building Vault	TCLP	Solid	7470A	452708
480-147244-3	Pigeon Room Wood Block Base	TCLP	Solid	7470A	452708
480-147244-4	Far Back Room Wood Blocks	TCLP	Solid	7470A	452708
LB 480-452708/1-E	Method Blank	TCLP	Solid	7470A	452708

TestAmerica Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Metals (Continued)

Prep Batch: 452885 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-452885/2-A	Method Blank	Total/NA	Solid	7470A	
LCS 480-452885/3-A	Lab Control Sample	Total/NA	Solid	7470A	
480-147244-1 MS	Blending Room Drainage Trench	TCLP	Solid	7470A	452708
480-147244-1 MSD	Blending Room Drainage Trench	TCLP	Solid	7470A	452708

Analysis Batch: 452972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	TCLP	Solid	7470A	452885
480-147244-2	NW Main Building Vault	TCLP	Solid	7470A	452885
480-147244-3	Pigeon Room Wood Block Base	TCLP	Solid	7470A	452885
480-147244-4	Far Back Room Wood Blocks	TCLP	Solid	7470A	452885
LB 480-452708/1-E	Method Blank	TCLP	Solid	7470A	452885
MB 480-452885/2-A	Method Blank	Total/NA	Solid	7470A	452885
LCS 480-452885/3-A	Lab Control Sample	Total/NA	Solid	7470A	452885
480-147244-1 MS	Blending Room Drainage Trench	TCLP	Solid	7470A	452885
480-147244-1 MSD	Blending Room Drainage Trench	TCLP	Solid	7470A	452885

Prep Batch: 453019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	Total/NA	Solid	3050B	
480-147244-2	NW Main Building Vault	Total/NA	Solid	3050B	
480-147244-3	Pigeon Room Wood Block Base	Total/NA	Solid	3050B	
480-147244-4	Far Back Room Wood Blocks	Total/NA	Solid	3050B	
MB 480-453019/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-453019/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 453122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	TCLP	Solid	6010C	452870
480-147244-2	NW Main Building Vault	TCLP	Solid	6010C	452870
480-147244-3	Pigeon Room Wood Block Base	TCLP	Solid	6010C	452870
480-147244-4	Far Back Room Wood Blocks	TCLP	Solid	6010C	452870
LB 480-452708/1-B	Method Blank	TCLP	Solid	6010C	452870
MB 480-452870/2-A	Method Blank	Total/NA	Solid	6010C	452870
LCS 480-452870/3-A	Lab Control Sample	Total/NA	Solid	6010C	452870
480-147244-1 MS	Blending Room Drainage Trench	TCLP	Solid	6010C	452870
480-147244-1 MSD	Blending Room Drainage Trench	TCLP	Solid	6010C	452870

Prep Batch: 453324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	Total/NA	Solid	7471B	
480-147244-2	NW Main Building Vault	Total/NA	Solid	7471B	
480-147244-3	Pigeon Room Wood Block Base	Total/NA	Solid	7471B	
480-147244-4	Far Back Room Wood Blocks	Total/NA	Solid	7471B	
MB 480-453324/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-453324/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 453385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	Total/NA	Solid	7471B	453324
480-147244-2	NW Main Building Vault	Total/NA	Solid	7471B	453324

TestAmerica Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Metals (Continued)

Analysis Batch: 453385 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-3	Pigeon Room Wood Block Base	Total/NA	Solid	7471B	453324
480-147244-4	Far Back Room Wood Blocks	Total/NA	Solid	7471B	453324
MB 480-453324/1-A	Method Blank	Total/NA	Solid	7471B	453324
LCSSRM 480-453324/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	453324

Analysis Batch: 453584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	Total/NA	Solid	6010C	453019
480-147244-1	Blending Room Drainage Trench	Total/NA	Solid	6010C	453019
480-147244-2	NW Main Building Vault	Total/NA	Solid	6010C	453019
480-147244-2	NW Main Building Vault	Total/NA	Solid	6010C	453019
480-147244-3	Pigeon Room Wood Block Base	Total/NA	Solid	6010C	453019
480-147244-3	Pigeon Room Wood Block Base	Total/NA	Solid	6010C	453019
480-147244-4	Far Back Room Wood Blocks	Total/NA	Solid	6010C	453019
MB 480-453019/1-A	Method Blank	Total/NA	Solid	6010C	453019
LCSSRM 480-453019/2-A	Lab Control Sample	Total/NA	Solid	6010C	453019

Analysis Batch: 453735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-3	Pigeon Room Wood Block Base	Total/NA	Solid	6010C	453019

General Chemistry

Analysis Batch: 452758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-1	Blending Room Drainage Trench	Total/NA	Solid	Moisture	
480-147244-2	NW Main Building Vault	Total/NA	Solid	Moisture	
480-147244-3	Pigeon Room Wood Block Base	Total/NA	Solid	Moisture	

Analysis Batch: 453836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147244-4	Far Back Room Wood Blocks	Total/NA	Solid	Moisture	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: Blending Room Drainage Trench

Lab Sample ID: 480-147244-1

Date Collected: 12/19/18 11:45

Matrix: Solid

Date Received: 12/21/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			452726	12/27/18 12:57	LMS	TAL BUF
TCLP	Analysis	8260C		10	452830	12/28/18 15:07	NMC	TAL BUF
TCLP	Leach	1311			452708	12/27/18 12:00	LMS	TAL BUF
TCLP	Prep	3510C			452976	12/28/18 15:48	AAP	TAL BUF
TCLP	Analysis	8270D		1	453188	12/31/18 21:42	RJS	TAL BUF
TCLP	Leach	1311			452708	12/27/18 12:00	LMS	TAL BUF
TCLP	Prep	3510C			452882	12/28/18 10:28	JMP	TAL BUF
TCLP	Analysis	8081B		1	453132	12/31/18 13:24	JLS	TAL BUF
TCLP	Leach	1311			452708	12/27/18 12:00	LMS	TAL BUF
TCLP	Prep	8151A			452874	12/28/18 10:20	JMP	TAL BUF
TCLP	Analysis	8151A		1	454776	01/12/19 01:50	MAN	TAL BUF
TCLP	Leach	1311			452708	12/27/18 12:00	LMS	TAL BUF
TCLP	Prep	3010A			452870	12/28/18 10:03	VEG	TAL BUF
TCLP	Analysis	6010C		1	453122	12/28/18 19:41	EMB	TAL BUF
TCLP	Leach	1311			452708	12/27/18 12:00	LMS	TAL BUF
TCLP	Prep	7470A			452885	12/28/18 11:20	BMB	TAL BUF
TCLP	Analysis	7470A		1	452972	12/28/18 14:49	BMB	TAL BUF
Total/NA	Analysis	Moisture		1	452758	12/27/18 14:59	MDH	TAL BUF

Client Sample ID: Blending Room Drainage Trench

Lab Sample ID: 480-147244-1

Date Collected: 12/19/18 11:45

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 61.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			452524	12/26/18 12:54	CDC	TAL BUF
Total/NA	Analysis	8260C		1	452494	12/26/18 17:07	CDC	TAL BUF
Total/NA	Prep	3550C			453021	12/29/18 10:32	SGD	TAL BUF
Total/NA	Analysis	8270D		5	454000	01/08/19 07:26	DMR	TAL BUF
Total/NA	Prep	3550C			453594	01/03/19 14:18	SGD	TAL BUF
Total/NA	Analysis	8082A		1	453695	01/04/19 17:31	DSC	TAL BUF
Total/NA	Prep	3050B			453019	12/31/18 08:29	JMP	TAL BUF
Total/NA	Analysis	6010C		1	453584	01/03/19 11:12	AMH	TAL BUF
Total/NA	Prep	3050B			453019	12/31/18 08:29	JMP	TAL BUF
Total/NA	Analysis	6010C		5	453584	01/03/19 11:16	AMH	TAL BUF
Total/NA	Prep	7471B			453324	01/02/19 12:15	BMB	TAL BUF
Total/NA	Analysis	7471B		5	453385	01/02/19 13:52	BMB	TAL BUF

Client Sample ID: NW Main Building Vault

Lab Sample ID: 480-147244-2

Date Collected: 12/19/18 12:50

Matrix: Solid

Date Received: 12/21/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			452726	12/27/18 12:57	LMS	TAL BUF
TCLP	Analysis	8260C		20	452830	12/28/18 15:31	NMC	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			452708	12/27/18 12:00	LMS	TAL BUF
TCLP	Prep	3510C			452976	12/28/18 15:48	AAP	TAL BUF
TCLP	Analysis	8270D		1	453188	12/31/18 22:07	RJS	TAL BUF
TCLP	Leach	1311			452708	12/27/18 12:00	LMS	TAL BUF
TCLP	Prep	3510C			452882	12/28/18 10:28	JMP	TAL BUF
TCLP	Analysis	8081B		1	453132	12/31/18 13:44	JLS	TAL BUF
TCLP	Leach	1311			452708	12/27/18 12:00	LMS	TAL BUF
TCLP	Prep	8151A			452874	12/28/18 10:20	JMP	TAL BUF
TCLP	Analysis	8151A		1	454776	01/12/19 02:20	MAN	TAL BUF
TCLP	Leach	1311			452708	12/27/18 12:00	LMS	TAL BUF
TCLP	Prep	3010A			452870	12/28/18 10:03	VEG	TAL BUF
TCLP	Analysis	6010C		1	453122	12/28/18 20:10	EMB	TAL BUF
TCLP	Leach	1311			452708	12/27/18 12:00	LMS	TAL BUF
TCLP	Prep	7470A			452885	12/28/18 11:20	BMB	TAL BUF
TCLP	Analysis	7470A		1	452972	12/28/18 14:57	BMB	TAL BUF
Total/NA	Analysis	Moisture		1	452758	12/27/18 14:59	MDH	TAL BUF

Client Sample ID: NW Main Building Vault

Lab Sample ID: 480-147244-2

Date Collected: 12/19/18 12:50

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 58.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			452484	12/26/18 14:44	AMM	TAL BUF
Total/NA	Analysis	8260C		4	452616	12/27/18 12:07	RJF	TAL BUF
Total/NA	Prep	3550C			453021	12/29/18 10:32	SGD	TAL BUF
Total/NA	Analysis	8270D		20	454000	01/08/19 07:51	DMR	TAL BUF
Total/NA	Prep	3550C			453594	01/03/19 14:18	SGD	TAL BUF
Total/NA	Analysis	8082A		1	453695	01/04/19 17:47	DSC	TAL BUF
Total/NA	Prep	3050B			453019	12/31/18 08:29	JMP	TAL BUF
Total/NA	Analysis	6010C		1	453584	01/03/19 11:20	AMH	TAL BUF
Total/NA	Prep	3050B			453019	12/31/18 08:29	JMP	TAL BUF
Total/NA	Analysis	6010C		5	453584	01/03/19 11:24	AMH	TAL BUF
Total/NA	Prep	7471B			453324	01/02/19 12:15	BMB	TAL BUF
Total/NA	Analysis	7471B		1	453385	01/02/19 13:31	BMB	TAL BUF

Client Sample ID: Pigeon Room Wood Block Base

Lab Sample ID: 480-147244-3

Date Collected: 12/19/18 13:10

Matrix: Solid

Date Received: 12/21/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			452726	12/27/18 12:57	LMS	TAL BUF
TCLP	Analysis	8260C		10	452830	12/28/18 15:54	NMC	TAL BUF
TCLP	Leach	1311			452708	12/27/18 12:00	LMS	TAL BUF
TCLP	Prep	3510C			452976	12/28/18 15:48	AAP	TAL BUF
TCLP	Analysis	8270D		1	453188	12/31/18 22:32	RJS	TAL BUF
TCLP	Leach	1311			452708	12/27/18 12:00	LMS	TAL BUF
TCLP	Prep	3510C			452882	12/28/18 10:28	JMP	TAL BUF
TCLP	Analysis	8081B		1	453132	12/31/18 14:03	JLS	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: Pigeon Room Wood Block Base

Lab Sample ID: 480-147244-3

Date Collected: 12/19/18 13:10

Matrix: Solid

Date Received: 12/21/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			452708	12/27/18 12:00	LMS	TAL BUF
TCLP	Prep	8151A			452874	12/28/18 10:20	JMP	TAL BUF
TCLP	Analysis	8151A		1	454776	01/12/19 02:50	MAN	TAL BUF
TCLP	Leach	1311			452708	12/27/18 12:00	LMS	TAL BUF
TCLP	Prep	3010A			452870	12/28/18 10:03	VEG	TAL BUF
TCLP	Analysis	6010C		1	453122	12/28/18 20:14	EMB	TAL BUF
TCLP	Leach	1311			452708	12/27/18 12:00	LMS	TAL BUF
TCLP	Prep	7470A			452885	12/28/18 11:20	BMB	TAL BUF
TCLP	Analysis	7470A		1	452972	12/28/18 14:58	BMB	TAL BUF
Total/NA	Analysis	Moisture		1	452758	12/27/18 14:59	MDH	TAL BUF

Client Sample ID: Pigeon Room Wood Block Base

Lab Sample ID: 480-147244-3

Date Collected: 12/19/18 13:10

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 71.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			452524	12/26/18 12:54	CDC	TAL BUF
Total/NA	Analysis	8260C		1	452494	12/26/18 17:33	CDC	TAL BUF
Total/NA	Prep	3550C			453021	12/29/18 10:32	SGD	TAL BUF
Total/NA	Analysis	8270D		5	454228	01/09/19 01:12	DMR	TAL BUF
Total/NA	Prep	3550C			453594	01/03/19 14:18	SGD	TAL BUF
Total/NA	Analysis	8082A		1	453695	01/04/19 18:03	DSC	TAL BUF
Total/NA	Prep	3050B			453019	12/31/18 08:29	JMP	TAL BUF
Total/NA	Analysis	6010C		1	453584	01/03/19 11:27	AMH	TAL BUF
Total/NA	Prep	3050B			453019	12/31/18 08:29	JMP	TAL BUF
Total/NA	Analysis	6010C		5	453584	01/03/19 11:31	AMH	TAL BUF
Total/NA	Prep	3050B			453019	12/31/18 08:29	JMP	TAL BUF
Total/NA	Analysis	6010C		10	453735	01/04/19 09:51	EMB	TAL BUF
Total/NA	Prep	7471B			453324	01/02/19 12:15	BMB	TAL BUF
Total/NA	Analysis	7471B		1	453385	01/02/19 13:32	BMB	TAL BUF

Client Sample ID: Far Back Room Wood Blocks

Lab Sample ID: 480-147244-4

Date Collected: 12/19/18 14:05

Matrix: Solid

Date Received: 12/21/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			452726	12/27/18 12:57	LMS	TAL BUF
TCLP	Analysis	8260C		10	452830	12/28/18 16:18	NMC	TAL BUF
TCLP	Leach	1311			452708	12/27/18 12:00	LMS	TAL BUF
TCLP	Prep	3510C			452976	12/28/18 15:48	AAP	TAL BUF
TCLP	Analysis	8270D		5	453188	12/31/18 22:57	RJS	TAL BUF
TCLP	Leach	1311			452708	12/27/18 12:00	LMS	TAL BUF
TCLP	Prep	3510C			452882	12/28/18 10:28	JMP	TAL BUF
TCLP	Analysis	8081B		2	453132	12/31/18 14:23	JLS	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Client Sample ID: Far Back Room Wood Blocks

Lab Sample ID: 480-147244-4

Date Collected: 12/19/18 14:05

Matrix: Solid

Date Received: 12/21/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			452708	12/27/18 12:00	LMS	TAL BUF
TCLP	Prep	8151A			452874	12/28/18 10:20	JMP	TAL BUF
TCLP	Analysis	8151A		1	454776	01/12/19 03:19	MAN	TAL BUF
TCLP	Leach	1311			452708	12/27/18 12:00	LMS	TAL BUF
TCLP	Prep	3010A			452870	12/28/18 10:03	VEG	TAL BUF
TCLP	Analysis	6010C		1	453122	12/28/18 20:17	EMB	TAL BUF
TCLP	Leach	1311			452708	12/27/18 12:00	LMS	TAL BUF
TCLP	Prep	7470A			452885	12/28/18 11:20	BMB	TAL BUF
TCLP	Analysis	7470A		1	452972	12/28/18 15:00	BMB	TAL BUF
Total/NA	Analysis	Moisture		1	453836	01/05/19 11:54	MDH	TAL BUF

Client Sample ID: Far Back Room Wood Blocks

Lab Sample ID: 480-147244-4

Date Collected: 12/19/18 14:05

Matrix: Solid

Date Received: 12/21/18 16:30

Percent Solids: 62.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			452484	12/26/18 14:44	AMM	TAL BUF
Total/NA	Analysis	8260C		2	452616	12/27/18 12:34	RJF	TAL BUF
Total/NA	Prep	3550C			453021	12/29/18 10:32	SGD	TAL BUF
Total/NA	Analysis	8270D		5	454228	01/09/19 01:37	DMR	TAL BUF
Total/NA	Prep	3550C			453594	01/03/19 14:18	SGD	TAL BUF
Total/NA	Analysis	8082A		1	453695	01/04/19 18:19	DSC	TAL BUF
Total/NA	Prep	3050B			453019	12/31/18 08:29	JMP	TAL BUF
Total/NA	Analysis	6010C		1	453584	01/03/19 11:51	AMH	TAL BUF
Total/NA	Prep	7471B			453324	01/02/19 12:15	BMB	TAL BUF
Total/NA	Analysis	7471B		1	453385	01/02/19 13:34	BMB	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-19

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
1311	TCLP Extraction	SW846	TAL BUF
3010A	Preparation, Total Metals	SW846	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147244-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-147244-1	Blending Room Drainage Trench	Solid	12/19/18 11:45	12/21/18 16:30
480-147244-2	NW Main Building Vault	Solid	12/19/18 12:50	12/21/18 16:30
480-147244-3	Pigeon Room Wood Block Base	Solid	12/19/18 13:10	12/21/18 16:30
480-147244-4	Far Back Room Wood Blocks	Solid	12/19/18 14:05	12/21/18 16:30

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-147244-1

Login Number: 147244

List Number: 1

Creator: Kinecki, Kenneth P

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-147238-1

Client Project/Site: Morgan Materials #915307

For:

New York State D.E.C.

270 Michigan Avenue

Buffalo, New York 14203

Attn: Damianos Skaros



Authorized for release by:

1/30/2019 8:32:15 AM

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

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I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Orlette Johnson
Senior Project Manager
1/30/2019 8:32:15 AM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Case Narrative

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Job ID: 480-147238-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-147238-1

Receipt

The samples were received on 12/21/2018 4:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 5 coolers at receipt time were 4.1° C, 4.5° C, 5.0° C, 5.1° C and 5.5° C.

GC/MS VOA

Method(s) 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MH-15 (480-147238-1), NW Main Building Vault (480-147238-2), Middle Room Double Door Vault (480-147238-3), Far Back Room Vault (480-147238-4), Low Room Vault 3 (480-147238-5), Flammable Tent DI (480-147238-7) and DUP (480-147238-8). Elevated reporting limits (RLs) are provided.

Method(s) 8260B SIM: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: NW Main Building Vault (480-147238-2), Middle Room Double Door Vault (480-147238-3), Far Back Room Vault (480-147238-4), Low Room Vault 3 (480-147238-5), Flammable Tent DI (480-147238-7) and DUP (480-147238-8). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-452936 recovered above the upper control limit for bis (2-chloroisopropyl) ether, Fluoranthene and Atrazine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MH-15 (480-147238-1), NW Main Building Vault (480-147238-2), Middle Room Double Door Vault (480-147238-3), Far Back Room Vault (480-147238-4), Low Room Vault 3 (480-147238-5), Drain Room DI (480-147238-6) and Flammable Tent DI (480-147238-7).

Method(s) 8270D: The laboratory control sample (LCS) for preparation batch 480-452418 and analytical batch 480-452936 recovered outside control limits for the following analytes: Atrazine. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: MH-15 (480-147238-1), NW Main Building Vault (480-147238-2), Middle Room Double Door Vault (480-147238-3), Far Back Room Vault (480-147238-4), Low Room Vault 3 (480-147238-5), Drain Room DI (480-147238-6) and Flammable Tent DI (480-147238-7).

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix: MH-15 (480-147238-1), NW Main Building Vault (480-147238-2), Low Room Vault 3 (480-147238-5) and Drain Room DI (480-147238-6). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following samples required a dilution due to the nature of the sample matrix: MH-15 (480-147238-1) and NW Main Building Vault (480-147238-2). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: Low Room Vault 3 (480-147238-5). These results have been reported and qualified.

Method(s) 8270D: The analyte 4,6-Dinitro-2-methylphenol is E flagging in the laboratory control sample (LCS), matrix spike and matrix spike duplicate (MS/MSD) for preparation batch 480-452418 due to the removal of the upper calibration points in the initial calibration. The LCS spike recovery for this analyte is within control limits. (LCS 480-452418/2-A)

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: DUP (480-147238-8). These results have been reported and qualified.

Method(s) 8270D: The laboratory control sample (LCS) for preparation batch 480-452418 and analytical batch 480-453546 recovered outside control limits for the following analytes: Atrazine. These analytes were biased high in the LCS and were not detected in the

Case Narrative

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Job ID: 480-147238-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

associated samples; therefore, the data have been reported. The following sample is impacted: DUP (480-147238-8).

Method(s) 8270D: The initial calibration curve analyzed in analytical batch 480-445037 and associated with analytical batch 480-452936 was outside method criteria for the analyte Pentachlorophenol. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for this analyte is considered an estimated concentration.

Method(s) 8270D: The initial calibration curve analyzed in analytical batch 480-453247 and associated with analytical batch 480-453546 was outside method criteria for the analytes 2,4-Dinitrophenol and Pentachlorophenol. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for these analytes is considered an estimated concentration.

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

GC Semi VOA

Method(s) 8151A: The continuing calibration verifications (CCV 480-453082/16), (CCV 480-453082/27) and (CCV 480-453082/35) recovered above the upper control limit for surrogate 2,4-Dichlorophenylacetic acid. The samples associated with this CCV were non-detects for any target analytes; therefore, the data has been reported. The following samples are impacted: MH-15 (480-147238-1), NW Main Building Vault (480-147238-2), Middle Room Double Door Vault (480-147238-3), Far Back Room Vault (480-147238-4), Low Room Vault 3 (480-147238-5), Drain Room DI (480-147238-6), Flammable Tent DI (480-147238-7) and DUP (480-147238-8).

Method(s) 8082A: Surrogate recovery for the following samples were outside control limits: Low Room Vault 3 (480-147238-5), Drain Room DI (480-147238-6) and Flammable Tent DI (480-147238-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8082A: The following samples are associated with a continuing calibration verification (CCV 480-453089/9) that had recoveries for the Aroclor-1248 that were slightly below acceptance limits: MH-15 (480-147238-1), NW Main Building Vault (480-147238-2), Middle Room Double Door Vault (480-147238-3), Far Back Room Vault (480-147238-4), Low Room Vault 3 (480-147238-5), Drain Room DI (480-147238-6), Flammable Tent DI (480-147238-7) and DUP (480-147238-8). There were no detection via pattern recognition in the associated samples. Therefore, the data has been reported.

Method(s) 8151A: Surrogate recovery for the following samples were outside control limits: MH-15 (480-147238-1), NW Main Building Vault (480-147238-2), Middle Room Double Door Vault (480-147238-3), Far Back Room Vault (480-147238-4), Low Room Vault 3 (480-147238-5), Drain Room DI (480-147238-6) and DUP (480-147238-8). Re-extraction and re-analysis was performed. Both sets of data have been reported.

Method(s) 8081B: All primary data for analytical batch 452663 is reported from the RTX-CLPI column.

Method(s) 8081B: The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

Method(s) 8082A: All primary data for analytical batch 453089 is reported from the ZB-5 column.

Method(s) 8082A: The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

Method(s) 8151A: All primary data for analytical batch 453082 is reported from the RTX-CLPII column, while all primary data for analytical batches 455125 and 455201 is reported from the RTX-CLPI column.

Method(s) 8081B: The DCB Decachlorobiphenyl surrogate recovery for the following samples was outside acceptance limits (high biased) on the primary column due to matrix interference: NW Main Building Vault (480-147238-2). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

Method(s) 8081B: The Tetrachloro-m-xylene surrogate recovery for the following samples was outside acceptance limits (high biased) on the primary column due to matrix interference: Drain Room DI (480-147238-6). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

Case Narrative

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Job ID: 480-147238-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Method(s) 8081B: The following sample was diluted due to the nature of the sample matrix: Low Room Vault 3 (480-147238-5). Elevated reporting limits (RLs) are provided.

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

Metals

Method(s) 6010C: The recovery of Post Spike, (480-147238-K-4-A PDS), in batch 480-452528 exhibited results outside the quality control limits for Total Calcium. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary.

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

Organic Prep

Method(s) 8151A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-452421.

Method(s) 8151A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-453511.

Method(s) 8151A: The following samples were re-prepared outside of preparation holding time due to low surrogate recovery: MH-15 (480-147238-1), NW Main Building Vault (480-147238-2), Middle Room Double Door Vault (480-147238-3), Far Back Room Vault (480-147238-4), Low Room Vault 3 (480-147238-5), Drain Room DI (480-147238-6) and DUP (480-147238-8).

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

VOA Prep

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

Detection Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: MH-15

Lab Sample ID: 480-147238-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chlorobenzene	2.6		2.0	1.5	ug/L	2			8260C	Total/NA
Aluminum	22.4	B	0.20	0.060	mg/L	1			6010C	Total/NA
Arsenic	0.023		0.015	0.0056	mg/L	1			6010C	Total/NA
Barium	0.46		0.0020	0.00070	mg/L	1			6010C	Total/NA
Beryllium	0.0013	J	0.0020	0.00030	mg/L	1			6010C	Total/NA
Cadmium	0.0041		0.0020	0.00050	mg/L	1			6010C	Total/NA
Calcium	292	B	0.50	0.10	mg/L	1			6010C	Total/NA
Chromium	0.058		0.0040	0.0010	mg/L	1			6010C	Total/NA
Cobalt	0.024		0.0040	0.00063	mg/L	1			6010C	Total/NA
Copper	0.20		0.010	0.0016	mg/L	1			6010C	Total/NA
Iron	70.7		0.050	0.019	mg/L	1			6010C	Total/NA
Lead	0.17		0.010	0.0030	mg/L	1			6010C	Total/NA
Magnesium	65.4		0.20	0.043	mg/L	1			6010C	Total/NA
Manganese	3.6		0.0030	0.00040	mg/L	1			6010C	Total/NA
Nickel	0.16		0.010	0.0013	mg/L	1			6010C	Total/NA
Potassium	10.9		0.50	0.10	mg/L	1			6010C	Total/NA
Sodium	35.6		1.0	0.32	mg/L	1			6010C	Total/NA
Vanadium	0.082		0.0050	0.0015	mg/L	1			6010C	Total/NA
Zinc	0.89		0.010	0.0015	mg/L	1			6010C	Total/NA
Mercury	0.00018	J	0.00020	0.00012	mg/L	1			7470A	Total/NA

Client Sample ID: NW Main Building Vault

Lab Sample ID: 480-147238-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Aluminum	0.14	J B	0.20	0.060	mg/L	1			6010C	Total/NA
Barium	0.13		0.0020	0.00070	mg/L	1			6010C	Total/NA
Calcium	138	B	0.50	0.10	mg/L	1			6010C	Total/NA
Copper	0.0060	J	0.010	0.0016	mg/L	1			6010C	Total/NA
Iron	1.3		0.050	0.019	mg/L	1			6010C	Total/NA
Lead	0.015		0.010	0.0030	mg/L	1			6010C	Total/NA
Magnesium	55.3		0.20	0.043	mg/L	1			6010C	Total/NA
Manganese	0.067		0.0030	0.00040	mg/L	1			6010C	Total/NA
Nickel	0.019		0.010	0.0013	mg/L	1			6010C	Total/NA
Potassium	87.1		0.50	0.10	mg/L	1			6010C	Total/NA
Sodium	118		1.0	0.32	mg/L	1			6010C	Total/NA
Zinc	0.10		0.010	0.0015	mg/L	1			6010C	Total/NA

Client Sample ID: Middle Room Double Door Vault

Lab Sample ID: 480-147238-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1254	0.29	J	0.50	0.25	ug/L	1			8082A	Total/NA
Aluminum	0.081	J B	0.20	0.060	mg/L	1			6010C	Total/NA
Barium	0.046		0.0020	0.00070	mg/L	1			6010C	Total/NA
Calcium	127	B	0.50	0.10	mg/L	1			6010C	Total/NA
Copper	0.0057	J	0.010	0.0016	mg/L	1			6010C	Total/NA
Iron	0.83		0.050	0.019	mg/L	1			6010C	Total/NA
Magnesium	16.2		0.20	0.043	mg/L	1			6010C	Total/NA
Manganese	0.055		0.0030	0.00040	mg/L	1			6010C	Total/NA
Nickel	0.0026	J	0.010	0.0013	mg/L	1			6010C	Total/NA
Potassium	7.2		0.50	0.10	mg/L	1			6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Middle Room Double Door Vault (Continued)

Lab Sample ID: 480-147238-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	16.5		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.018		0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: Far Back Room Vault

Lab Sample ID: 480-147238-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.18	J B	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.027		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	67.4	B	0.50	0.10	mg/L	1		6010C	Total/NA
Copper	0.0066	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.20		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	15.8		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.0046		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0026	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	34.2		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	23.9		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0025	J	0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.0072	J	0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: Low Room Vault 3

Lab Sample ID: 480-147238-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
gamma-BHC (Lindane)	0.018	J	0.10	0.016	ug/L	2		8081B	Total/NA
Aluminum	0.59	B	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.093		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	104	B	0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0019	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Cobalt	0.00080	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.0058	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	3.7		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.0072	J	0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	15.2		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.35		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0093	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	10.9		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	43.8		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0022	J	0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.17		0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: Drain Room DI

Lab Sample ID: 480-147238-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	1.4	B	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.031		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	8.5	B	0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0017	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Cobalt	0.0017	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.011		0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	1.0		0.050	0.019	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Drain Room DI (Continued)

Lab Sample ID: 480-147238-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lead	0.011		0.010	0.0030	mg/L	1			6010C	Total/NA
Magnesium	1.3		0.20	0.043	mg/L	1			6010C	Total/NA
Manganese	0.041		0.0030	0.00040	mg/L	1			6010C	Total/NA
Nickel	0.0041	J	0.010	0.0013	mg/L	1			6010C	Total/NA
Potassium	0.37	J	0.50	0.10	mg/L	1			6010C	Total/NA
Sodium	1.2		1.0	0.32	mg/L	1			6010C	Total/NA
Vanadium	0.0022	J	0.0050	0.0015	mg/L	1			6010C	Total/NA
Zinc	0.38		0.010	0.0015	mg/L	1			6010C	Total/NA

Client Sample ID: Flammable Tent DI

Lab Sample ID: 480-147238-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Aluminum	0.72	B	0.20	0.060	mg/L	1			6010C	Total/NA
Barium	0.027		0.0020	0.00070	mg/L	1			6010C	Total/NA
Calcium	19.8	B	0.50	0.10	mg/L	1			6010C	Total/NA
Chromium	0.0019	J	0.0040	0.0010	mg/L	1			6010C	Total/NA
Cobalt	0.0011	J	0.0040	0.00063	mg/L	1			6010C	Total/NA
Copper	0.0093	J	0.010	0.0016	mg/L	1			6010C	Total/NA
Iron	6.3		0.050	0.019	mg/L	1			6010C	Total/NA
Lead	0.0058	J	0.010	0.0030	mg/L	1			6010C	Total/NA
Magnesium	1.8		0.20	0.043	mg/L	1			6010C	Total/NA
Manganese	0.30		0.0030	0.00040	mg/L	1			6010C	Total/NA
Nickel	0.0046	J	0.010	0.0013	mg/L	1			6010C	Total/NA
Potassium	1.6		0.50	0.10	mg/L	1			6010C	Total/NA
Sodium	2.4		1.0	0.32	mg/L	1			6010C	Total/NA
Vanadium	0.0022	J	0.0050	0.0015	mg/L	1			6010C	Total/NA
Zinc	0.16		0.010	0.0015	mg/L	1			6010C	Total/NA

Client Sample ID: DUP

Lab Sample ID: 480-147238-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.42	J	5.0	0.31	ug/L	1			8270D	Total/NA
Aluminum	0.17	J B	0.20	0.060	mg/L	1			6010C	Total/NA
Barium	0.027		0.0020	0.00070	mg/L	1			6010C	Total/NA
Calcium	65.3	B	0.50	0.10	mg/L	1			6010C	Total/NA
Copper	0.0059	J	0.010	0.0016	mg/L	1			6010C	Total/NA
Iron	0.11		0.050	0.019	mg/L	1			6010C	Total/NA
Magnesium	15.4		0.20	0.043	mg/L	1			6010C	Total/NA
Manganese	0.0042		0.0030	0.00040	mg/L	1			6010C	Total/NA
Nickel	0.0030	J	0.010	0.0013	mg/L	1			6010C	Total/NA
Potassium	33.4		0.50	0.10	mg/L	1			6010C	Total/NA
Sodium	23.8		1.0	0.32	mg/L	1			6010C	Total/NA
Vanadium	0.0020	J	0.0050	0.0015	mg/L	1			6010C	Total/NA
Zinc	0.0064	J	0.010	0.0015	mg/L	1			6010C	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 480-147238-9

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: MH-15

Date Collected: 12/19/18 09:45

Date Received: 12/21/18 16:30

Lab Sample ID: 480-147238-1

Matrix: Water

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.050	0.0058	ug/L			12/28/18 21:52	1
1,2-Dichloroethane	ND		0.050	0.0050	ug/L			12/28/18 21:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 130					12/28/18 21:52	1
4-Bromofluorobenzene (Surr)	101		70 - 130					12/28/18 21:52	1
Dibromofluoromethane (Surr)	101		70 - 130					12/28/18 21:52	1
Toluene-d8 (Surr)	95		70 - 130					12/28/18 21:52	1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			12/27/18 02:36	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			12/27/18 02:36	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			12/27/18 02:36	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			12/27/18 02:36	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			12/27/18 02:36	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			12/27/18 02:36	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			12/27/18 02:36	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			12/27/18 02:36	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			12/27/18 02:36	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			12/27/18 02:36	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			12/27/18 02:36	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			12/27/18 02:36	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			12/27/18 02:36	2
2-Butanone (MEK)	ND		20	2.6	ug/L			12/27/18 02:36	2
2-Hexanone	ND		10	2.5	ug/L			12/27/18 02:36	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			12/27/18 02:36	2
Acetone	ND		20	6.0	ug/L			12/27/18 02:36	2
Benzene	ND		2.0	0.82	ug/L			12/27/18 02:36	2
Bromodichloromethane	ND		2.0	0.78	ug/L			12/27/18 02:36	2
Bromoform	ND		2.0	0.52	ug/L			12/27/18 02:36	2
Bromomethane	ND		2.0	1.4	ug/L			12/27/18 02:36	2
Carbon disulfide	ND		2.0	0.38	ug/L			12/27/18 02:36	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			12/27/18 02:36	2
Chlorobenzene	2.6		2.0	1.5	ug/L			12/27/18 02:36	2
Chloroethane	ND		2.0	0.64	ug/L			12/27/18 02:36	2
Chloroform	ND		2.0	0.68	ug/L			12/27/18 02:36	2
Chloromethane	ND		2.0	0.70	ug/L			12/27/18 02:36	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			12/27/18 02:36	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			12/27/18 02:36	2
Cyclohexane	ND		2.0	0.36	ug/L			12/27/18 02:36	2
Dibromochloromethane	ND		2.0	0.64	ug/L			12/27/18 02:36	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			12/27/18 02:36	2
Ethylbenzene	ND		2.0	1.5	ug/L			12/27/18 02:36	2
Ethylene Dibromide	ND		2.0	1.5	ug/L			12/27/18 02:36	2
Isopropylbenzene	ND		2.0	1.6	ug/L			12/27/18 02:36	2
Methyl acetate	ND		5.0	2.6	ug/L			12/27/18 02:36	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			12/27/18 02:36	2
Methylcyclohexane	ND		2.0	0.32	ug/L			12/27/18 02:36	2
Methylene Chloride	ND		2.0	0.88	ug/L			12/27/18 02:36	2

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: MH-15

Date Collected: 12/19/18 09:45

Date Received: 12/21/18 16:30

Lab Sample ID: 480-147238-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	1.5	ug/L			12/27/18 02:36	2
Tetrachloroethene	ND		2.0	0.72	ug/L			12/27/18 02:36	2
Toluene	ND		2.0	1.0	ug/L			12/27/18 02:36	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			12/27/18 02:36	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			12/27/18 02:36	2
Trichloroethene	ND		2.0	0.92	ug/L			12/27/18 02:36	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			12/27/18 02:36	2
Vinyl chloride	ND		2.0	1.8	ug/L			12/27/18 02:36	2
Xylenes, Total	ND		4.0	1.3	ug/L			12/27/18 02:36	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		77 - 120		12/27/18 02:36	2
4-Bromofluorobenzene (Surr)	113		73 - 120		12/27/18 02:36	2
Dibromofluoromethane (Surr)	87		75 - 123		12/27/18 02:36	2
Toluene-d8 (Surr)	93		80 - 120		12/27/18 02:36	2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		100	13	ug/L		12/26/18 06:34	12/28/18 23:28	20
bis (2-chloroisopropyl) ether	ND		100	10	ug/L		12/26/18 06:34	12/28/18 23:28	20
2,4,5-Trichlorophenol	ND		100	9.6	ug/L		12/26/18 06:34	12/28/18 23:28	20
2,4,6-Trichlorophenol	ND		100	12	ug/L		12/26/18 06:34	12/28/18 23:28	20
2,4-Dichlorophenol	ND		100	10	ug/L		12/26/18 06:34	12/28/18 23:28	20
2,4-Dimethylphenol	ND		100	10	ug/L		12/26/18 06:34	12/28/18 23:28	20
2,4-Dinitrophenol	ND		200	44	ug/L		12/26/18 06:34	12/28/18 23:28	20
2,4-Dinitrotoluene	ND		100	8.9	ug/L		12/26/18 06:34	12/28/18 23:28	20
2,6-Dinitrotoluene	ND		100	8.0	ug/L		12/26/18 06:34	12/28/18 23:28	20
2-Chloronaphthalene	ND		100	9.2	ug/L		12/26/18 06:34	12/28/18 23:28	20
2-Chlorophenol	ND		100	11	ug/L		12/26/18 06:34	12/28/18 23:28	20
2-Methylphenol	ND		100	8.0	ug/L		12/26/18 06:34	12/28/18 23:28	20
2-Methylnaphthalene	ND		100	12	ug/L		12/26/18 06:34	12/28/18 23:28	20
2-Nitroaniline	ND		200	8.4	ug/L		12/26/18 06:34	12/28/18 23:28	20
2-Nitrophenol	ND		100	9.6	ug/L		12/26/18 06:34	12/28/18 23:28	20
3,3'-Dichlorobenzidine	ND		100	8.0	ug/L		12/26/18 06:34	12/28/18 23:28	20
3-Nitroaniline	ND		200	9.6	ug/L		12/26/18 06:34	12/28/18 23:28	20
4,6-Dinitro-2-methylphenol	ND		200	44	ug/L		12/26/18 06:34	12/28/18 23:28	20
4-Bromophenyl phenyl ether	ND		100	9.0	ug/L		12/26/18 06:34	12/28/18 23:28	20
4-Chloro-3-methylphenol	ND		100	9.0	ug/L		12/26/18 06:34	12/28/18 23:28	20
4-Chloroaniline	ND		100	12	ug/L		12/26/18 06:34	12/28/18 23:28	20
4-Chlorophenyl phenyl ether	ND		100	7.0	ug/L		12/26/18 06:34	12/28/18 23:28	20
4-Methylphenol	ND		200	7.2	ug/L		12/26/18 06:34	12/28/18 23:28	20
4-Nitroaniline	ND		200	5.0	ug/L		12/26/18 06:34	12/28/18 23:28	20
4-Nitrophenol	ND		200	30	ug/L		12/26/18 06:34	12/28/18 23:28	20
Acenaphthene	ND		100	8.2	ug/L		12/26/18 06:34	12/28/18 23:28	20
Acenaphthylene	ND		100	7.6	ug/L		12/26/18 06:34	12/28/18 23:28	20
Acetophenone	ND		100	11	ug/L		12/26/18 06:34	12/28/18 23:28	20
Anthracene	ND		100	5.6	ug/L		12/26/18 06:34	12/28/18 23:28	20
Atrazine	ND *		100	9.2	ug/L		12/26/18 06:34	12/28/18 23:28	20
Benzaldehyde	ND		100	5.3	ug/L		12/26/18 06:34	12/28/18 23:28	20
Benzo[a]anthracene	ND		100	7.2	ug/L		12/26/18 06:34	12/28/18 23:28	20

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: MH-15

Date Collected: 12/19/18 09:45

Date Received: 12/21/18 16:30

Lab Sample ID: 480-147238-1

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		100	9.4	ug/L		12/26/18 06:34	12/28/18 23:28	20
Benzo[b]fluoranthene	ND		100	6.8	ug/L		12/26/18 06:34	12/28/18 23:28	20
Benzo[g,h,i]perylene	ND		100	7.0	ug/L		12/26/18 06:34	12/28/18 23:28	20
Benzo[k]fluoranthene	ND		100	15	ug/L		12/26/18 06:34	12/28/18 23:28	20
Bis(2-chloroethoxy)methane	ND		100	7.0	ug/L		12/26/18 06:34	12/28/18 23:28	20
Bis(2-chloroethyl)ether	ND		100	8.0	ug/L		12/26/18 06:34	12/28/18 23:28	20
Bis(2-ethylhexyl) phthalate	ND		100	44	ug/L		12/26/18 06:34	12/28/18 23:28	20
Butyl benzyl phthalate	ND		100	20	ug/L		12/26/18 06:34	12/28/18 23:28	20
Caprolactam	ND		100	44	ug/L		12/26/18 06:34	12/28/18 23:28	20
Carbazole	ND		100	6.0	ug/L		12/26/18 06:34	12/28/18 23:28	20
Chrysene	ND		100	6.6	ug/L		12/26/18 06:34	12/28/18 23:28	20
Dibenz(a,h)anthracene	ND		100	8.4	ug/L		12/26/18 06:34	12/28/18 23:28	20
Di-n-butyl phthalate	ND		100	6.2	ug/L		12/26/18 06:34	12/28/18 23:28	20
Di-n-octyl phthalate	ND		100	9.4	ug/L		12/26/18 06:34	12/28/18 23:28	20
Dibenzofuran	ND		200	10	ug/L		12/26/18 06:34	12/28/18 23:28	20
Diethyl phthalate	ND		100	4.4	ug/L		12/26/18 06:34	12/28/18 23:28	20
Dimethyl phthalate	ND		100	7.2	ug/L		12/26/18 06:34	12/28/18 23:28	20
Fluoranthene	ND		100	8.0	ug/L		12/26/18 06:34	12/28/18 23:28	20
Fluorene	ND		100	7.2	ug/L		12/26/18 06:34	12/28/18 23:28	20
Hexachlorobenzene	ND		100	10	ug/L		12/26/18 06:34	12/28/18 23:28	20
Hexachlorobutadiene	ND		100	14	ug/L		12/26/18 06:34	12/28/18 23:28	20
Hexachlorocyclopentadiene	ND		100	12	ug/L		12/26/18 06:34	12/28/18 23:28	20
Hexachloroethane	ND		100	12	ug/L		12/26/18 06:34	12/28/18 23:28	20
Indeno[1,2,3-cd]pyrene	ND		100	9.4	ug/L		12/26/18 06:34	12/28/18 23:28	20
Isophorone	ND		100	8.6	ug/L		12/26/18 06:34	12/28/18 23:28	20
N-Nitrosodi-n-propylamine	ND		100	11	ug/L		12/26/18 06:34	12/28/18 23:28	20
N-Nitrosodiphenylamine	ND		100	10	ug/L		12/26/18 06:34	12/28/18 23:28	20
Naphthalene	ND		100	15	ug/L		12/26/18 06:34	12/28/18 23:28	20
Nitrobenzene	ND		100	5.8	ug/L		12/26/18 06:34	12/28/18 23:28	20
Pentachlorophenol	ND		200	44	ug/L		12/26/18 06:34	12/28/18 23:28	20
Phenanthrene	ND		100	8.8	ug/L		12/26/18 06:34	12/28/18 23:28	20
Phenol	ND		100	7.8	ug/L		12/26/18 06:34	12/28/18 23:28	20
Pyrene	ND		100	6.8	ug/L		12/26/18 06:34	12/28/18 23:28	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	61		46 - 120	12/26/18 06:34	12/28/18 23:28	20
Phenol-d5 (Surr)	33		22 - 120	12/26/18 06:34	12/28/18 23:28	20
p-Terphenyl-d14 (Surr)	59		59 - 136	12/26/18 06:34	12/28/18 23:28	20
2,4,6-Tribromophenol (Surr)	68		41 - 120	12/26/18 06:34	12/28/18 23:28	20
2-Fluorobiphenyl	72		48 - 120	12/26/18 06:34	12/28/18 23:28	20
2-Fluorophenol (Surr)	40		35 - 120	12/26/18 06:34	12/28/18 23:28	20

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.50	0.29	ug/L		12/26/18 15:39	12/27/18 12:40	1
Endrin	ND		0.050	0.014	ug/L		12/26/18 15:39	12/27/18 12:40	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		12/26/18 15:39	12/27/18 12:40	1
Heptachlor	ND		0.050	0.0085	ug/L		12/26/18 15:39	12/27/18 12:40	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		12/26/18 15:39	12/27/18 12:40	1
Methoxychlor	ND		0.050	0.014	ug/L		12/26/18 15:39	12/27/18 12:40	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: MH-15

Date Collected: 12/19/18 09:45

Date Received: 12/21/18 16:30

Lab Sample ID: 480-147238-1

Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		0.50	0.12	ug/L		12/26/18 15:39	12/27/18 12:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	44		20 - 120				12/26/18 15:39	12/27/18 12:40	1
DCB Decachlorobiphenyl	48		20 - 120				12/26/18 15:39	12/27/18 12:40	1
Tetrachloro-m-xylene	58		44 - 120				12/26/18 15:39	12/27/18 12:40	1
Tetrachloro-m-xylene	45		44 - 120				12/26/18 15:39	12/27/18 12:40	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 17:48	1
PCB-1221	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 17:48	1
PCB-1232	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 17:48	1
PCB-1242	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 17:48	1
PCB-1248	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 17:48	1
PCB-1254	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 17:48	1
PCB-1260	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 17:48	1
PCB-1262	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 17:48	1
PCB-1268	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 17:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	59		39 - 121				12/28/18 15:00	12/30/18 17:48	1
Tetrachloro-m-xylene	62		39 - 121				12/28/18 15:00	12/30/18 17:48	1
DCB Decachlorobiphenyl	29		19 - 120				12/28/18 15:00	12/30/18 17:48	1
DCB Decachlorobiphenyl	44		19 - 120				12/28/18 15:00	12/30/18 17:48	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.48	0.048	ug/L		12/26/18 07:26	12/30/18 16:37	1
2,4-D	ND		0.48	0.16	ug/L		12/26/18 07:26	12/30/18 16:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	10	X	48 - 132				12/26/18 07:26	12/30/18 16:37	1
2,4-Dichlorophenylacetic acid	13	X	48 - 132				12/26/18 07:26	12/30/18 16:37	1

Method: 8151A - Herbicides (GC) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND	H	0.49	0.049	ug/L		01/03/19 09:23	01/16/19 07:21	1
2,4-D	ND	H	0.49	0.17	ug/L		01/03/19 09:23	01/16/19 07:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	56		48 - 132				01/03/19 09:23	01/16/19 07:21	1
2,4-Dichlorophenylacetic acid	60		48 - 132				01/03/19 09:23	01/16/19 07:21	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	22.4	B	0.20	0.060	mg/L		12/27/18 08:31	12/28/18 18:57	1
Antimony	ND		0.020	0.0068	mg/L		12/27/18 08:31	12/28/18 18:57	1
Arsenic	0.023		0.015	0.0056	mg/L		12/27/18 08:31	12/28/18 18:57	1
Barium	0.46		0.0020	0.00070	mg/L		12/27/18 08:31	12/28/18 18:57	1
Beryllium	0.0013	J	0.0020	0.00030	mg/L		12/27/18 08:31	12/28/18 18:57	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: MH-15

Date Collected: 12/19/18 09:45

Date Received: 12/21/18 16:30

Lab Sample ID: 480-147238-1

Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0041		0.0020	0.00050	mg/L		12/27/18 08:31	12/28/18 18:57	1
Calcium	292	B	0.50	0.10	mg/L		12/27/18 08:31	12/28/18 18:57	1
Chromium	0.058		0.0040	0.0010	mg/L		12/27/18 08:31	12/28/18 18:57	1
Cobalt	0.024		0.0040	0.00063	mg/L		12/27/18 08:31	12/28/18 18:57	1
Copper	0.20		0.010	0.0016	mg/L		12/27/18 08:31	12/28/18 18:57	1
Iron	70.7		0.050	0.019	mg/L		12/27/18 08:31	12/28/18 18:57	1
Lead	0.17		0.010	0.0030	mg/L		12/27/18 08:31	12/28/18 18:57	1
Magnesium	65.4		0.20	0.043	mg/L		12/27/18 08:31	12/28/18 18:57	1
Manganese	3.6		0.0030	0.00040	mg/L		12/27/18 08:31	12/28/18 18:57	1
Nickel	0.16		0.010	0.0013	mg/L		12/27/18 08:31	12/28/18 18:57	1
Potassium	10.9		0.50	0.10	mg/L		12/27/18 08:31	12/28/18 18:57	1
Selenium	ND		0.025	0.0087	mg/L		12/27/18 08:31	12/28/18 18:57	1
Silver	ND		0.0060	0.0017	mg/L		12/27/18 08:31	12/28/18 18:57	1
Sodium	35.6		1.0	0.32	mg/L		12/27/18 08:31	12/28/18 18:57	1
Thallium	ND		0.020	0.010	mg/L		12/27/18 08:31	12/28/18 18:57	1
Vanadium	0.082		0.0050	0.0015	mg/L		12/27/18 08:31	12/28/18 18:57	1
Zinc	0.89		0.010	0.0015	mg/L		12/27/18 08:31	12/28/18 18:57	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00018	J	0.00020	0.00012	mg/L		12/26/18 11:20	12/26/18 14:22	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: NW Main Building Vault

Lab Sample ID: 480-147238-2

Date Collected: 12/19/18 12:20

Matrix: Water

Date Received: 12/21/18 16:30

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		1.0	0.12	ug/L			12/28/18 21:26	20
1,2-Dichloroethane	ND		1.0	0.10	ug/L			12/28/18 21:26	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130		12/28/18 21:26	20
4-Bromofluorobenzene (Surr)	102		70 - 130		12/28/18 21:26	20
Dibromofluoromethane (Surr)	102		70 - 130		12/28/18 21:26	20
Toluene-d8 (Surr)	94		70 - 130		12/28/18 21:26	20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			12/27/18 02:59	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			12/27/18 02:59	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			12/27/18 02:59	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			12/27/18 02:59	20
1,1-Dichloroethane	ND		20	7.6	ug/L			12/27/18 02:59	20
1,1-Dichloroethene	ND		20	5.8	ug/L			12/27/18 02:59	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			12/27/18 02:59	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			12/27/18 02:59	20
1,2-Dichlorobenzene	ND		20	16	ug/L			12/27/18 02:59	20
1,2-Dichloroethane	ND		20	4.2	ug/L			12/27/18 02:59	20
1,2-Dichloropropane	ND		20	14	ug/L			12/27/18 02:59	20
1,3-Dichlorobenzene	ND		20	16	ug/L			12/27/18 02:59	20
1,4-Dichlorobenzene	ND		20	17	ug/L			12/27/18 02:59	20
2-Butanone (MEK)	ND		200	26	ug/L			12/27/18 02:59	20
2-Hexanone	ND		100	25	ug/L			12/27/18 02:59	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			12/27/18 02:59	20
Acetone	ND		200	60	ug/L			12/27/18 02:59	20
Benzene	ND		20	8.2	ug/L			12/27/18 02:59	20
Bromodichloromethane	ND		20	7.8	ug/L			12/27/18 02:59	20
Bromoform	ND		20	5.2	ug/L			12/27/18 02:59	20
Bromomethane	ND		20	14	ug/L			12/27/18 02:59	20
Carbon disulfide	ND		20	3.8	ug/L			12/27/18 02:59	20
Carbon tetrachloride	ND		20	5.4	ug/L			12/27/18 02:59	20
Chlorobenzene	ND		20	15	ug/L			12/27/18 02:59	20
Chloroethane	ND		20	6.4	ug/L			12/27/18 02:59	20
Chloroform	ND		20	6.8	ug/L			12/27/18 02:59	20
Chloromethane	ND		20	7.0	ug/L			12/27/18 02:59	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			12/27/18 02:59	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			12/27/18 02:59	20
Cyclohexane	ND		20	3.6	ug/L			12/27/18 02:59	20
Dibromochloromethane	ND		20	6.4	ug/L			12/27/18 02:59	20
Dichlorodifluoromethane	ND		20	14	ug/L			12/27/18 02:59	20
Ethylbenzene	ND		20	15	ug/L			12/27/18 02:59	20
Ethylene Dibromide	ND		20	15	ug/L			12/27/18 02:59	20
Isopropylbenzene	ND		20	16	ug/L			12/27/18 02:59	20
Methyl acetate	ND		50	26	ug/L			12/27/18 02:59	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			12/27/18 02:59	20
Methylcyclohexane	ND		20	3.2	ug/L			12/27/18 02:59	20
Methylene Chloride	ND		20	8.8	ug/L			12/27/18 02:59	20

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: NW Main Building Vault

Lab Sample ID: 480-147238-2

Date Collected: 12/19/18 12:20

Matrix: Water

Date Received: 12/21/18 16:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		20	15	ug/L			12/27/18 02:59	20
Tetrachloroethene	ND		20	7.2	ug/L			12/27/18 02:59	20
Toluene	ND		20	10	ug/L			12/27/18 02:59	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			12/27/18 02:59	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			12/27/18 02:59	20
Trichloroethene	ND		20	9.2	ug/L			12/27/18 02:59	20
Trichlorofluoromethane	ND		20	18	ug/L			12/27/18 02:59	20
Vinyl chloride	ND		20	18	ug/L			12/27/18 02:59	20
Xylenes, Total	ND		40	13	ug/L			12/27/18 02:59	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		77 - 120		12/27/18 02:59	20
4-Bromofluorobenzene (Surr)	110		73 - 120		12/27/18 02:59	20
Dibromofluoromethane (Surr)	86		75 - 123		12/27/18 02:59	20
Toluene-d8 (Surr)	92		80 - 120		12/27/18 02:59	20

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		100	13	ug/L		12/26/18 06:34	12/28/18 23:58	20
bis (2-chloroisopropyl) ether	ND		100	10	ug/L		12/26/18 06:34	12/28/18 23:58	20
2,4,5-Trichlorophenol	ND		100	9.6	ug/L		12/26/18 06:34	12/28/18 23:58	20
2,4,6-Trichlorophenol	ND		100	12	ug/L		12/26/18 06:34	12/28/18 23:58	20
2,4-Dichlorophenol	ND		100	10	ug/L		12/26/18 06:34	12/28/18 23:58	20
2,4-Dimethylphenol	ND		100	10	ug/L		12/26/18 06:34	12/28/18 23:58	20
2,4-Dinitrophenol	ND		200	44	ug/L		12/26/18 06:34	12/28/18 23:58	20
2,4-Dinitrotoluene	ND		100	8.9	ug/L		12/26/18 06:34	12/28/18 23:58	20
2,6-Dinitrotoluene	ND		100	8.0	ug/L		12/26/18 06:34	12/28/18 23:58	20
2-Chloronaphthalene	ND		100	9.2	ug/L		12/26/18 06:34	12/28/18 23:58	20
2-Chlorophenol	ND		100	11	ug/L		12/26/18 06:34	12/28/18 23:58	20
2-Methylphenol	ND		100	8.0	ug/L		12/26/18 06:34	12/28/18 23:58	20
2-Methylnaphthalene	ND		100	12	ug/L		12/26/18 06:34	12/28/18 23:58	20
2-Nitroaniline	ND		200	8.4	ug/L		12/26/18 06:34	12/28/18 23:58	20
2-Nitrophenol	ND		100	9.6	ug/L		12/26/18 06:34	12/28/18 23:58	20
3,3'-Dichlorobenzidine	ND		100	8.0	ug/L		12/26/18 06:34	12/28/18 23:58	20
3-Nitroaniline	ND		200	9.6	ug/L		12/26/18 06:34	12/28/18 23:58	20
4,6-Dinitro-2-methylphenol	ND		200	44	ug/L		12/26/18 06:34	12/28/18 23:58	20
4-Bromophenyl phenyl ether	ND		100	9.0	ug/L		12/26/18 06:34	12/28/18 23:58	20
4-Chloro-3-methylphenol	ND		100	9.0	ug/L		12/26/18 06:34	12/28/18 23:58	20
4-Chloroaniline	ND		100	12	ug/L		12/26/18 06:34	12/28/18 23:58	20
4-Chlorophenyl phenyl ether	ND		100	7.0	ug/L		12/26/18 06:34	12/28/18 23:58	20
4-Methylphenol	ND		200	7.2	ug/L		12/26/18 06:34	12/28/18 23:58	20
4-Nitroaniline	ND		200	5.0	ug/L		12/26/18 06:34	12/28/18 23:58	20
4-Nitrophenol	ND		200	30	ug/L		12/26/18 06:34	12/28/18 23:58	20
Acenaphthene	ND		100	8.2	ug/L		12/26/18 06:34	12/28/18 23:58	20
Acenaphthylene	ND		100	7.6	ug/L		12/26/18 06:34	12/28/18 23:58	20
Acetophenone	ND		100	11	ug/L		12/26/18 06:34	12/28/18 23:58	20
Anthracene	ND		100	5.6	ug/L		12/26/18 06:34	12/28/18 23:58	20
Atrazine	ND *		100	9.2	ug/L		12/26/18 06:34	12/28/18 23:58	20
Benzaldehyde	ND		100	5.3	ug/L		12/26/18 06:34	12/28/18 23:58	20
Benzo[a]anthracene	ND		100	7.2	ug/L		12/26/18 06:34	12/28/18 23:58	20

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: NW Main Building Vault

Lab Sample ID: 480-147238-2

Date Collected: 12/19/18 12:20

Matrix: Water

Date Received: 12/21/18 16:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		100	9.4	ug/L		12/26/18 06:34	12/28/18 23:58	20
Benzo[b]fluoranthene	ND		100	6.8	ug/L		12/26/18 06:34	12/28/18 23:58	20
Benzo[g,h,i]perylene	ND		100	7.0	ug/L		12/26/18 06:34	12/28/18 23:58	20
Benzo[k]fluoranthene	ND		100	15	ug/L		12/26/18 06:34	12/28/18 23:58	20
Bis(2-chloroethoxy)methane	ND		100	7.0	ug/L		12/26/18 06:34	12/28/18 23:58	20
Bis(2-chloroethyl)ether	ND		100	8.0	ug/L		12/26/18 06:34	12/28/18 23:58	20
Bis(2-ethylhexyl) phthalate	ND		100	44	ug/L		12/26/18 06:34	12/28/18 23:58	20
Butyl benzyl phthalate	ND		100	20	ug/L		12/26/18 06:34	12/28/18 23:58	20
Caprolactam	ND		100	44	ug/L		12/26/18 06:34	12/28/18 23:58	20
Carbazole	ND		100	6.0	ug/L		12/26/18 06:34	12/28/18 23:58	20
Chrysene	ND		100	6.6	ug/L		12/26/18 06:34	12/28/18 23:58	20
Dibenz(a,h)anthracene	ND		100	8.4	ug/L		12/26/18 06:34	12/28/18 23:58	20
Di-n-butyl phthalate	ND		100	6.2	ug/L		12/26/18 06:34	12/28/18 23:58	20
Di-n-octyl phthalate	ND		100	9.4	ug/L		12/26/18 06:34	12/28/18 23:58	20
Dibenzofuran	ND		200	10	ug/L		12/26/18 06:34	12/28/18 23:58	20
Diethyl phthalate	ND		100	4.4	ug/L		12/26/18 06:34	12/28/18 23:58	20
Dimethyl phthalate	ND		100	7.2	ug/L		12/26/18 06:34	12/28/18 23:58	20
Fluoranthene	ND		100	8.0	ug/L		12/26/18 06:34	12/28/18 23:58	20
Fluorene	ND		100	7.2	ug/L		12/26/18 06:34	12/28/18 23:58	20
Hexachlorobenzene	ND		100	10	ug/L		12/26/18 06:34	12/28/18 23:58	20
Hexachlorobutadiene	ND		100	14	ug/L		12/26/18 06:34	12/28/18 23:58	20
Hexachlorocyclopentadiene	ND		100	12	ug/L		12/26/18 06:34	12/28/18 23:58	20
Hexachloroethane	ND		100	12	ug/L		12/26/18 06:34	12/28/18 23:58	20
Indeno[1,2,3-cd]pyrene	ND		100	9.4	ug/L		12/26/18 06:34	12/28/18 23:58	20
Isophorone	ND		100	8.6	ug/L		12/26/18 06:34	12/28/18 23:58	20
N-Nitrosodi-n-propylamine	ND		100	11	ug/L		12/26/18 06:34	12/28/18 23:58	20
N-Nitrosodiphenylamine	ND		100	10	ug/L		12/26/18 06:34	12/28/18 23:58	20
Naphthalene	ND		100	15	ug/L		12/26/18 06:34	12/28/18 23:58	20
Nitrobenzene	ND		100	5.8	ug/L		12/26/18 06:34	12/28/18 23:58	20
Pentachlorophenol	ND		200	44	ug/L		12/26/18 06:34	12/28/18 23:58	20
Phenanthrene	ND		100	8.8	ug/L		12/26/18 06:34	12/28/18 23:58	20
Phenol	ND		100	7.8	ug/L		12/26/18 06:34	12/28/18 23:58	20
Pyrene	ND		100	6.8	ug/L		12/26/18 06:34	12/28/18 23:58	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	72		46 - 120	12/26/18 06:34	12/28/18 23:58	20
Phenol-d5 (Surr)	38		22 - 120	12/26/18 06:34	12/28/18 23:58	20
p-Terphenyl-d14 (Surr)	46	X	59 - 136	12/26/18 06:34	12/28/18 23:58	20
2,4,6-Tribromophenol (Surr)	88		41 - 120	12/26/18 06:34	12/28/18 23:58	20
2-Fluorobiphenyl	83		48 - 120	12/26/18 06:34	12/28/18 23:58	20
2-Fluorophenol (Surr)	54		35 - 120	12/26/18 06:34	12/28/18 23:58	20

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.50	0.29	ug/L		12/26/18 15:39	12/27/18 12:59	1
Endrin	ND		0.050	0.014	ug/L		12/26/18 15:39	12/27/18 12:59	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		12/26/18 15:39	12/27/18 12:59	1
Heptachlor	ND		0.050	0.0085	ug/L		12/26/18 15:39	12/27/18 12:59	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		12/26/18 15:39	12/27/18 12:59	1
Methoxychlor	ND		0.050	0.014	ug/L		12/26/18 15:39	12/27/18 12:59	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: NW Main Building Vault

Lab Sample ID: 480-147238-2

Date Collected: 12/19/18 12:20

Matrix: Water

Date Received: 12/21/18 16:30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		0.50	0.12	ug/L		12/26/18 15:39	12/27/18 12:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	351	X	20 - 120				12/26/18 15:39	12/27/18 12:59	1
DCB Decachlorobiphenyl	27		20 - 120				12/26/18 15:39	12/27/18 12:59	1
Tetrachloro-m-xylene	49		44 - 120				12/26/18 15:39	12/27/18 12:59	1
Tetrachloro-m-xylene	31	X	44 - 120				12/26/18 15:39	12/27/18 12:59	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 18:04	1
PCB-1221	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 18:04	1
PCB-1232	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 18:04	1
PCB-1242	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 18:04	1
PCB-1248	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 18:04	1
PCB-1254	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 18:04	1
PCB-1260	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 18:04	1
PCB-1262	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 18:04	1
PCB-1268	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 18:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	87		39 - 121				12/28/18 15:00	12/30/18 18:04	1
Tetrachloro-m-xylene	73		39 - 121				12/28/18 15:00	12/30/18 18:04	1
DCB Decachlorobiphenyl	30		19 - 120				12/28/18 15:00	12/30/18 18:04	1
DCB Decachlorobiphenyl	45		19 - 120				12/28/18 15:00	12/30/18 18:04	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.48	0.048	ug/L		12/26/18 07:26	12/30/18 17:07	1
2,4-D	ND		0.48	0.16	ug/L		12/26/18 07:26	12/30/18 17:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	10	X	48 - 132				12/26/18 07:26	12/30/18 17:07	1
2,4-Dichlorophenylacetic acid	14	X	48 - 132				12/26/18 07:26	12/30/18 17:07	1

Method: 8151A - Herbicides (GC) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND	H	0.49	0.049	ug/L		01/03/19 09:23	01/16/19 07:51	1
2,4-D	ND	H	0.49	0.17	ug/L		01/03/19 09:23	01/16/19 07:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	25	X	48 - 132				01/03/19 09:23	01/16/19 07:51	1
2,4-Dichlorophenylacetic acid	23	X	48 - 132				01/03/19 09:23	01/16/19 07:51	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.14	J B	0.20	0.060	mg/L		12/27/18 08:31	12/28/18 19:15	1
Antimony	ND		0.020	0.0068	mg/L		12/27/18 08:31	12/28/18 19:15	1
Arsenic	ND		0.015	0.0056	mg/L		12/27/18 08:31	12/28/18 19:15	1
Barium	0.13		0.0020	0.00070	mg/L		12/27/18 08:31	12/28/18 19:15	1
Beryllium	ND		0.0020	0.00030	mg/L		12/27/18 08:31	12/28/18 19:15	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: NW Main Building Vault

Lab Sample ID: 480-147238-2

Date Collected: 12/19/18 12:20

Matrix: Water

Date Received: 12/21/18 16:30

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		12/27/18 08:31	12/28/18 19:15	1
Calcium	138	B	0.50	0.10	mg/L		12/27/18 08:31	12/28/18 19:15	1
Chromium	ND		0.0040	0.0010	mg/L		12/27/18 08:31	12/28/18 19:15	1
Cobalt	ND		0.0040	0.00063	mg/L		12/27/18 08:31	12/28/18 19:15	1
Copper	0.0060	J	0.010	0.0016	mg/L		12/27/18 08:31	12/28/18 19:15	1
Iron	1.3		0.050	0.019	mg/L		12/27/18 08:31	12/28/18 19:15	1
Lead	0.015		0.010	0.0030	mg/L		12/27/18 08:31	12/28/18 19:15	1
Magnesium	55.3		0.20	0.043	mg/L		12/27/18 08:31	12/28/18 19:15	1
Manganese	0.067		0.0030	0.00040	mg/L		12/27/18 08:31	12/28/18 19:15	1
Nickel	0.019		0.010	0.0013	mg/L		12/27/18 08:31	12/28/18 19:15	1
Potassium	87.1		0.50	0.10	mg/L		12/27/18 08:31	12/28/18 19:15	1
Selenium	ND		0.025	0.0087	mg/L		12/27/18 08:31	12/28/18 19:15	1
Silver	ND		0.0060	0.0017	mg/L		12/27/18 08:31	12/28/18 19:15	1
Sodium	118		1.0	0.32	mg/L		12/27/18 08:31	12/28/18 19:15	1
Thallium	ND		0.020	0.010	mg/L		12/27/18 08:31	12/28/18 19:15	1
Vanadium	ND		0.0050	0.0015	mg/L		12/27/18 08:31	12/28/18 19:15	1
Zinc	0.10		0.010	0.0015	mg/L		12/27/18 08:31	12/28/18 19:15	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/26/18 11:20	12/26/18 14:23	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Middle Room Double Door Vault

Lab Sample ID: 480-147238-3

Date Collected: 12/19/18 13:35

Matrix: Water

Date Received: 12/21/18 16:30

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.25	0.029	ug/L			12/28/18 19:11	5
1,2-Dichloroethane	ND		0.25	0.025	ug/L			12/28/18 19:11	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130		12/28/18 19:11	5
4-Bromofluorobenzene (Surr)	103		70 - 130		12/28/18 19:11	5
Dibromofluoromethane (Surr)	103		70 - 130		12/28/18 19:11	5
Toluene-d8 (Surr)	95		70 - 130		12/28/18 19:11	5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			12/27/18 03:22	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/27/18 03:22	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			12/27/18 03:22	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/27/18 03:22	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			12/27/18 03:22	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/27/18 03:22	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			12/27/18 03:22	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			12/27/18 03:22	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			12/27/18 03:22	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/27/18 03:22	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/27/18 03:22	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			12/27/18 03:22	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			12/27/18 03:22	5
2-Butanone (MEK)	ND		50	6.6	ug/L			12/27/18 03:22	5
2-Hexanone	ND		25	6.2	ug/L			12/27/18 03:22	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/27/18 03:22	5
Acetone	ND		50	15	ug/L			12/27/18 03:22	5
Benzene	ND		5.0	2.1	ug/L			12/27/18 03:22	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/27/18 03:22	5
Bromoform	ND		5.0	1.3	ug/L			12/27/18 03:22	5
Bromomethane	ND		5.0	3.5	ug/L			12/27/18 03:22	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/27/18 03:22	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/27/18 03:22	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/27/18 03:22	5
Chloroethane	ND		5.0	1.6	ug/L			12/27/18 03:22	5
Chloroform	ND		5.0	1.7	ug/L			12/27/18 03:22	5
Chloromethane	ND		5.0	1.8	ug/L			12/27/18 03:22	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			12/27/18 03:22	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/27/18 03:22	5
Cyclohexane	ND		5.0	0.90	ug/L			12/27/18 03:22	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/27/18 03:22	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			12/27/18 03:22	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/27/18 03:22	5
Ethylene Dibromide	ND		5.0	3.7	ug/L			12/27/18 03:22	5
Isopropylbenzene	ND		5.0	4.0	ug/L			12/27/18 03:22	5
Methyl acetate	ND		13	6.5	ug/L			12/27/18 03:22	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			12/27/18 03:22	5
Methylcyclohexane	ND		5.0	0.80	ug/L			12/27/18 03:22	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/27/18 03:22	5

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Middle Room Double Door Vault

Lab Sample ID: 480-147238-3

Date Collected: 12/19/18 13:35

Matrix: Water

Date Received: 12/21/18 16:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		5.0	3.7	ug/L			12/27/18 03:22	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/27/18 03:22	5
Toluene	ND		5.0	2.6	ug/L			12/27/18 03:22	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/27/18 03:22	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/27/18 03:22	5
Trichloroethene	ND		5.0	2.3	ug/L			12/27/18 03:22	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			12/27/18 03:22	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/27/18 03:22	5
Xylenes, Total	ND		10	3.3	ug/L			12/27/18 03:22	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81		77 - 120		12/27/18 03:22	5
4-Bromofluorobenzene (Surr)	111		73 - 120		12/27/18 03:22	5
Dibromofluoromethane (Surr)	85		75 - 123		12/27/18 03:22	5
Toluene-d8 (Surr)	92		80 - 120		12/27/18 03:22	5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		12/26/18 06:34	12/29/18 00:27	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		12/26/18 06:34	12/29/18 00:27	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		12/26/18 06:34	12/29/18 00:27	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		12/26/18 06:34	12/29/18 00:27	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		12/26/18 06:34	12/29/18 00:27	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		12/26/18 06:34	12/29/18 00:27	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		12/26/18 06:34	12/29/18 00:27	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		12/26/18 06:34	12/29/18 00:27	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		12/26/18 06:34	12/29/18 00:27	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		12/26/18 06:34	12/29/18 00:27	1
2-Chlorophenol	ND		5.0	0.53	ug/L		12/26/18 06:34	12/29/18 00:27	1
2-Methylphenol	ND		5.0	0.40	ug/L		12/26/18 06:34	12/29/18 00:27	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		12/26/18 06:34	12/29/18 00:27	1
2-Nitroaniline	ND		10	0.42	ug/L		12/26/18 06:34	12/29/18 00:27	1
2-Nitrophenol	ND		5.0	0.48	ug/L		12/26/18 06:34	12/29/18 00:27	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		12/26/18 06:34	12/29/18 00:27	1
3-Nitroaniline	ND		10	0.48	ug/L		12/26/18 06:34	12/29/18 00:27	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		12/26/18 06:34	12/29/18 00:27	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		12/26/18 06:34	12/29/18 00:27	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		12/26/18 06:34	12/29/18 00:27	1
4-Chloroaniline	ND		5.0	0.59	ug/L		12/26/18 06:34	12/29/18 00:27	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		12/26/18 06:34	12/29/18 00:27	1
4-Methylphenol	ND		10	0.36	ug/L		12/26/18 06:34	12/29/18 00:27	1
4-Nitroaniline	ND		10	0.25	ug/L		12/26/18 06:34	12/29/18 00:27	1
4-Nitrophenol	ND		10	1.5	ug/L		12/26/18 06:34	12/29/18 00:27	1
Acenaphthene	ND		5.0	0.41	ug/L		12/26/18 06:34	12/29/18 00:27	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/26/18 06:34	12/29/18 00:27	1
Acetophenone	ND		5.0	0.54	ug/L		12/26/18 06:34	12/29/18 00:27	1
Anthracene	ND		5.0	0.28	ug/L		12/26/18 06:34	12/29/18 00:27	1
Atrazine	ND *		5.0	0.46	ug/L		12/26/18 06:34	12/29/18 00:27	1
Benzaldehyde	ND		5.0	0.27	ug/L		12/26/18 06:34	12/29/18 00:27	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/26/18 06:34	12/29/18 00:27	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Middle Room Double Door Vault

Lab Sample ID: 480-147238-3

Date Collected: 12/19/18 13:35

Matrix: Water

Date Received: 12/21/18 16:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/26/18 06:34	12/29/18 00:27	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/26/18 06:34	12/29/18 00:27	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/26/18 06:34	12/29/18 00:27	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/26/18 06:34	12/29/18 00:27	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		12/26/18 06:34	12/29/18 00:27	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		12/26/18 06:34	12/29/18 00:27	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		12/26/18 06:34	12/29/18 00:27	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		12/26/18 06:34	12/29/18 00:27	1
Caprolactam	ND		5.0	2.2	ug/L		12/26/18 06:34	12/29/18 00:27	1
Carbazole	ND		5.0	0.30	ug/L		12/26/18 06:34	12/29/18 00:27	1
Chrysene	ND		5.0	0.33	ug/L		12/26/18 06:34	12/29/18 00:27	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/26/18 06:34	12/29/18 00:27	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		12/26/18 06:34	12/29/18 00:27	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		12/26/18 06:34	12/29/18 00:27	1
Dibenzofuran	ND		10	0.51	ug/L		12/26/18 06:34	12/29/18 00:27	1
Diethyl phthalate	ND		5.0	0.22	ug/L		12/26/18 06:34	12/29/18 00:27	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		12/26/18 06:34	12/29/18 00:27	1
Fluoranthene	ND		5.0	0.40	ug/L		12/26/18 06:34	12/29/18 00:27	1
Fluorene	ND		5.0	0.36	ug/L		12/26/18 06:34	12/29/18 00:27	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		12/26/18 06:34	12/29/18 00:27	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		12/26/18 06:34	12/29/18 00:27	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		12/26/18 06:34	12/29/18 00:27	1
Hexachloroethane	ND		5.0	0.59	ug/L		12/26/18 06:34	12/29/18 00:27	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/26/18 06:34	12/29/18 00:27	1
Isophorone	ND		5.0	0.43	ug/L		12/26/18 06:34	12/29/18 00:27	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		12/26/18 06:34	12/29/18 00:27	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		12/26/18 06:34	12/29/18 00:27	1
Naphthalene	ND		5.0	0.76	ug/L		12/26/18 06:34	12/29/18 00:27	1
Nitrobenzene	ND		5.0	0.29	ug/L		12/26/18 06:34	12/29/18 00:27	1
Pentachlorophenol	ND		10	2.2	ug/L		12/26/18 06:34	12/29/18 00:27	1
Phenanthrene	ND		5.0	0.44	ug/L		12/26/18 06:34	12/29/18 00:27	1
Phenol	ND		5.0	0.39	ug/L		12/26/18 06:34	12/29/18 00:27	1
Pyrene	ND		5.0	0.34	ug/L		12/26/18 06:34	12/29/18 00:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	92		46 - 120	12/26/18 06:34	12/29/18 00:27	1
Phenol-d5 (Surr)	48		22 - 120	12/26/18 06:34	12/29/18 00:27	1
p-Terphenyl-d14 (Surr)	71		59 - 136	12/26/18 06:34	12/29/18 00:27	1
2,4,6-Tribromophenol (Surr)	93		41 - 120	12/26/18 06:34	12/29/18 00:27	1
2-Fluorobiphenyl	96		48 - 120	12/26/18 06:34	12/29/18 00:27	1
2-Fluorophenol (Surr)	69		35 - 120	12/26/18 06:34	12/29/18 00:27	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.50	0.29	ug/L		12/26/18 15:39	12/27/18 13:19	1
Endrin	ND		0.050	0.014	ug/L		12/26/18 15:39	12/27/18 13:19	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		12/26/18 15:39	12/27/18 13:19	1
Heptachlor	ND		0.050	0.0085	ug/L		12/26/18 15:39	12/27/18 13:19	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		12/26/18 15:39	12/27/18 13:19	1
Methoxychlor	ND		0.050	0.014	ug/L		12/26/18 15:39	12/27/18 13:19	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Middle Room Double Door Vault

Lab Sample ID: 480-147238-3

Date Collected: 12/19/18 13:35

Matrix: Water

Date Received: 12/21/18 16:30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		0.50	0.12	ug/L		12/26/18 15:39	12/27/18 13:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	71		20 - 120				12/26/18 15:39	12/27/18 13:19	1
DCB Decachlorobiphenyl	57		20 - 120				12/26/18 15:39	12/27/18 13:19	1
Tetrachloro-m-xylene	87		44 - 120				12/26/18 15:39	12/27/18 13:19	1
Tetrachloro-m-xylene	64		44 - 120				12/26/18 15:39	12/27/18 13:19	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 18:19	1
PCB-1221	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 18:19	1
PCB-1232	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 18:19	1
PCB-1242	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 18:19	1
PCB-1248	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 18:19	1
PCB-1254	0.29	J	0.50	0.25	ug/L		12/28/18 15:00	12/30/18 18:19	1
PCB-1260	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 18:19	1
PCB-1262	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 18:19	1
PCB-1268	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 18:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	65		39 - 121				12/28/18 15:00	12/30/18 18:19	1
Tetrachloro-m-xylene	65		39 - 121				12/28/18 15:00	12/30/18 18:19	1
DCB Decachlorobiphenyl	27		19 - 120				12/28/18 15:00	12/30/18 18:19	1
DCB Decachlorobiphenyl	41		19 - 120				12/28/18 15:00	12/30/18 18:19	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.48	0.048	ug/L		12/26/18 07:26	12/30/18 17:37	1
2,4-D	ND		0.48	0.16	ug/L		12/26/18 07:26	12/30/18 17:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	21	X	48 - 132				12/26/18 07:26	12/30/18 17:37	1
2,4-Dichlorophenylacetic acid	11	X	48 - 132				12/26/18 07:26	12/30/18 17:37	1

Method: 8151A - Herbicides (GC) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND	H	0.48	0.048	ug/L		01/03/19 09:23	01/16/19 08:21	1
2,4-D	ND	H	0.48	0.16	ug/L		01/03/19 09:23	01/16/19 08:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	58		48 - 132				01/03/19 09:23	01/16/19 08:21	1
2,4-Dichlorophenylacetic acid	63		48 - 132				01/03/19 09:23	01/16/19 08:21	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.081	J B	0.20	0.060	mg/L		12/27/18 08:31	12/28/18 19:19	1
Antimony	ND		0.020	0.0068	mg/L		12/27/18 08:31	12/28/18 19:19	1
Arsenic	ND		0.015	0.0056	mg/L		12/27/18 08:31	12/28/18 19:19	1
Barium	0.046		0.0020	0.00070	mg/L		12/27/18 08:31	12/28/18 19:19	1
Beryllium	ND		0.0020	0.00030	mg/L		12/27/18 08:31	12/28/18 19:19	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Middle Room Double Door Vault

Lab Sample ID: 480-147238-3

Date Collected: 12/19/18 13:35

Matrix: Water

Date Received: 12/21/18 16:30

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		12/27/18 08:31	12/28/18 19:19	1
Calcium	127	B	0.50	0.10	mg/L		12/27/18 08:31	12/28/18 19:19	1
Chromium	ND		0.0040	0.0010	mg/L		12/27/18 08:31	12/28/18 19:19	1
Cobalt	ND		0.0040	0.00063	mg/L		12/27/18 08:31	12/28/18 19:19	1
Copper	0.0057	J	0.010	0.0016	mg/L		12/27/18 08:31	12/28/18 19:19	1
Iron	0.83		0.050	0.019	mg/L		12/27/18 08:31	12/28/18 19:19	1
Lead	ND		0.010	0.0030	mg/L		12/27/18 08:31	12/28/18 19:19	1
Magnesium	16.2		0.20	0.043	mg/L		12/27/18 08:31	12/28/18 19:19	1
Manganese	0.055		0.0030	0.00040	mg/L		12/27/18 08:31	12/28/18 19:19	1
Nickel	0.0026	J	0.010	0.0013	mg/L		12/27/18 08:31	12/28/18 19:19	1
Potassium	7.2		0.50	0.10	mg/L		12/27/18 08:31	12/28/18 19:19	1
Selenium	ND		0.025	0.0087	mg/L		12/27/18 08:31	12/28/18 19:19	1
Silver	ND		0.0060	0.0017	mg/L		12/27/18 08:31	12/28/18 19:19	1
Sodium	16.5		1.0	0.32	mg/L		12/27/18 08:31	12/28/18 19:19	1
Thallium	ND		0.020	0.010	mg/L		12/27/18 08:31	12/28/18 19:19	1
Vanadium	ND		0.0050	0.0015	mg/L		12/27/18 08:31	12/28/18 19:19	1
Zinc	0.018		0.010	0.0015	mg/L		12/27/18 08:31	12/28/18 19:19	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/26/18 11:20	12/26/18 14:25	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Far Back Room Vault

Lab Sample ID: 480-147238-4

Date Collected: 12/19/18 14:10

Matrix: Water

Date Received: 12/21/18 16:30

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.50	0.058	ug/L			12/28/18 19:38	10
1,2-Dichloroethane	ND		0.50	0.050	ug/L			12/28/18 19:38	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130					12/28/18 19:38	10
4-Bromofluorobenzene (Surr)	102		70 - 130					12/28/18 19:38	10
Dibromofluoromethane (Surr)	103		70 - 130					12/28/18 19:38	10
Toluene-d8 (Surr)	94		70 - 130					12/28/18 19:38	10

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			12/27/18 03:45	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/27/18 03:45	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			12/27/18 03:45	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/27/18 03:45	10
1,1-Dichloroethane	ND		10	3.8	ug/L			12/27/18 03:45	10
1,1-Dichloroethene	ND		10	2.9	ug/L			12/27/18 03:45	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			12/27/18 03:45	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			12/27/18 03:45	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			12/27/18 03:45	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/27/18 03:45	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/27/18 03:45	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			12/27/18 03:45	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			12/27/18 03:45	10
2-Butanone (MEK)	ND		100	13	ug/L			12/27/18 03:45	10
2-Hexanone	ND		50	12	ug/L			12/27/18 03:45	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			12/27/18 03:45	10
Acetone	ND		100	30	ug/L			12/27/18 03:45	10
Benzene	ND		10	4.1	ug/L			12/27/18 03:45	10
Bromodichloromethane	ND		10	3.9	ug/L			12/27/18 03:45	10
Bromoform	ND		10	2.6	ug/L			12/27/18 03:45	10
Bromomethane	ND		10	6.9	ug/L			12/27/18 03:45	10
Carbon disulfide	ND		10	1.9	ug/L			12/27/18 03:45	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/27/18 03:45	10
Chlorobenzene	ND		10	7.5	ug/L			12/27/18 03:45	10
Chloroethane	ND		10	3.2	ug/L			12/27/18 03:45	10
Chloroform	ND		10	3.4	ug/L			12/27/18 03:45	10
Chloromethane	ND		10	3.5	ug/L			12/27/18 03:45	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			12/27/18 03:45	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/27/18 03:45	10
Cyclohexane	ND		10	1.8	ug/L			12/27/18 03:45	10
Dibromochloromethane	ND		10	3.2	ug/L			12/27/18 03:45	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			12/27/18 03:45	10
Ethylbenzene	ND		10	7.4	ug/L			12/27/18 03:45	10
Ethylene Dibromide	ND		10	7.3	ug/L			12/27/18 03:45	10
Isopropylbenzene	ND		10	7.9	ug/L			12/27/18 03:45	10
Methyl acetate	ND		25	13	ug/L			12/27/18 03:45	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			12/27/18 03:45	10
Methylcyclohexane	ND		10	1.6	ug/L			12/27/18 03:45	10
Methylene Chloride	ND		10	4.4	ug/L			12/27/18 03:45	10

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Far Back Room Vault

Lab Sample ID: 480-147238-4

Date Collected: 12/19/18 14:10

Matrix: Water

Date Received: 12/21/18 16:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		10	7.3	ug/L			12/27/18 03:45	10
Tetrachloroethene	ND		10	3.6	ug/L			12/27/18 03:45	10
Toluene	ND		10	5.1	ug/L			12/27/18 03:45	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			12/27/18 03:45	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/27/18 03:45	10
Trichloroethene	ND		10	4.6	ug/L			12/27/18 03:45	10
Trichlorofluoromethane	ND		10	8.8	ug/L			12/27/18 03:45	10
Vinyl chloride	ND		10	9.0	ug/L			12/27/18 03:45	10
Xylenes, Total	ND		20	6.6	ug/L			12/27/18 03:45	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		77 - 120		12/27/18 03:45	10
4-Bromofluorobenzene (Surr)	112		73 - 120		12/27/18 03:45	10
Dibromofluoromethane (Surr)	86		75 - 123		12/27/18 03:45	10
Toluene-d8 (Surr)	93		80 - 120		12/27/18 03:45	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		12/26/18 06:34	12/29/18 00:56	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		12/26/18 06:34	12/29/18 00:56	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		12/26/18 06:34	12/29/18 00:56	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		12/26/18 06:34	12/29/18 00:56	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		12/26/18 06:34	12/29/18 00:56	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		12/26/18 06:34	12/29/18 00:56	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		12/26/18 06:34	12/29/18 00:56	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		12/26/18 06:34	12/29/18 00:56	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		12/26/18 06:34	12/29/18 00:56	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		12/26/18 06:34	12/29/18 00:56	1
2-Chlorophenol	ND		5.0	0.53	ug/L		12/26/18 06:34	12/29/18 00:56	1
2-Methylphenol	ND		5.0	0.40	ug/L		12/26/18 06:34	12/29/18 00:56	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		12/26/18 06:34	12/29/18 00:56	1
2-Nitroaniline	ND		10	0.42	ug/L		12/26/18 06:34	12/29/18 00:56	1
2-Nitrophenol	ND		5.0	0.48	ug/L		12/26/18 06:34	12/29/18 00:56	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		12/26/18 06:34	12/29/18 00:56	1
3-Nitroaniline	ND		10	0.48	ug/L		12/26/18 06:34	12/29/18 00:56	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		12/26/18 06:34	12/29/18 00:56	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		12/26/18 06:34	12/29/18 00:56	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		12/26/18 06:34	12/29/18 00:56	1
4-Chloroaniline	ND		5.0	0.59	ug/L		12/26/18 06:34	12/29/18 00:56	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		12/26/18 06:34	12/29/18 00:56	1
4-Methylphenol	ND		10	0.36	ug/L		12/26/18 06:34	12/29/18 00:56	1
4-Nitroaniline	ND		10	0.25	ug/L		12/26/18 06:34	12/29/18 00:56	1
4-Nitrophenol	ND		10	1.5	ug/L		12/26/18 06:34	12/29/18 00:56	1
Acenaphthene	ND		5.0	0.41	ug/L		12/26/18 06:34	12/29/18 00:56	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/26/18 06:34	12/29/18 00:56	1
Acetophenone	ND		5.0	0.54	ug/L		12/26/18 06:34	12/29/18 00:56	1
Anthracene	ND		5.0	0.28	ug/L		12/26/18 06:34	12/29/18 00:56	1
Atrazine	ND *		5.0	0.46	ug/L		12/26/18 06:34	12/29/18 00:56	1
Benzaldehyde	ND		5.0	0.27	ug/L		12/26/18 06:34	12/29/18 00:56	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/26/18 06:34	12/29/18 00:56	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Far Back Room Vault

Lab Sample ID: 480-147238-4

Date Collected: 12/19/18 14:10

Matrix: Water

Date Received: 12/21/18 16:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/26/18 06:34	12/29/18 00:56	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/26/18 06:34	12/29/18 00:56	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/26/18 06:34	12/29/18 00:56	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/26/18 06:34	12/29/18 00:56	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		12/26/18 06:34	12/29/18 00:56	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		12/26/18 06:34	12/29/18 00:56	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		12/26/18 06:34	12/29/18 00:56	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		12/26/18 06:34	12/29/18 00:56	1
Caprolactam	ND		5.0	2.2	ug/L		12/26/18 06:34	12/29/18 00:56	1
Carbazole	ND		5.0	0.30	ug/L		12/26/18 06:34	12/29/18 00:56	1
Chrysene	ND		5.0	0.33	ug/L		12/26/18 06:34	12/29/18 00:56	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/26/18 06:34	12/29/18 00:56	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		12/26/18 06:34	12/29/18 00:56	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		12/26/18 06:34	12/29/18 00:56	1
Dibenzofuran	ND		10	0.51	ug/L		12/26/18 06:34	12/29/18 00:56	1
Diethyl phthalate	ND		5.0	0.22	ug/L		12/26/18 06:34	12/29/18 00:56	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		12/26/18 06:34	12/29/18 00:56	1
Fluoranthene	ND		5.0	0.40	ug/L		12/26/18 06:34	12/29/18 00:56	1
Fluorene	ND		5.0	0.36	ug/L		12/26/18 06:34	12/29/18 00:56	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		12/26/18 06:34	12/29/18 00:56	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		12/26/18 06:34	12/29/18 00:56	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		12/26/18 06:34	12/29/18 00:56	1
Hexachloroethane	ND		5.0	0.59	ug/L		12/26/18 06:34	12/29/18 00:56	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/26/18 06:34	12/29/18 00:56	1
Isophorone	ND		5.0	0.43	ug/L		12/26/18 06:34	12/29/18 00:56	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		12/26/18 06:34	12/29/18 00:56	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		12/26/18 06:34	12/29/18 00:56	1
Naphthalene	ND		5.0	0.76	ug/L		12/26/18 06:34	12/29/18 00:56	1
Nitrobenzene	ND		5.0	0.29	ug/L		12/26/18 06:34	12/29/18 00:56	1
Pentachlorophenol	ND		10	2.2	ug/L		12/26/18 06:34	12/29/18 00:56	1
Phenanthrene	ND		5.0	0.44	ug/L		12/26/18 06:34	12/29/18 00:56	1
Phenol	ND		5.0	0.39	ug/L		12/26/18 06:34	12/29/18 00:56	1
Pyrene	ND		5.0	0.34	ug/L		12/26/18 06:34	12/29/18 00:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	70		46 - 120	12/26/18 06:34	12/29/18 00:56	1
Phenol-d5 (Surr)	36		22 - 120	12/26/18 06:34	12/29/18 00:56	1
p-Terphenyl-d14 (Surr)	63		59 - 136	12/26/18 06:34	12/29/18 00:56	1
2,4,6-Tribromophenol (Surr)	74		41 - 120	12/26/18 06:34	12/29/18 00:56	1
2-Fluorobiphenyl	75		48 - 120	12/26/18 06:34	12/29/18 00:56	1
2-Fluorophenol (Surr)	50		35 - 120	12/26/18 06:34	12/29/18 00:56	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.50	0.29	ug/L		12/26/18 15:39	12/27/18 13:39	1
Endrin	ND		0.050	0.014	ug/L		12/26/18 15:39	12/27/18 13:39	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		12/26/18 15:39	12/27/18 13:39	1
Heptachlor	ND		0.050	0.0085	ug/L		12/26/18 15:39	12/27/18 13:39	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		12/26/18 15:39	12/27/18 13:39	1
Methoxychlor	ND		0.050	0.014	ug/L		12/26/18 15:39	12/27/18 13:39	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Far Back Room Vault

Lab Sample ID: 480-147238-4

Date Collected: 12/19/18 14:10

Matrix: Water

Date Received: 12/21/18 16:30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		0.50	0.12	ug/L		12/26/18 15:39	12/27/18 13:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	77		20 - 120				12/26/18 15:39	12/27/18 13:39	1
DCB Decachlorobiphenyl	68		20 - 120				12/26/18 15:39	12/27/18 13:39	1
Tetrachloro-m-xylene	92		44 - 120				12/26/18 15:39	12/27/18 13:39	1
Tetrachloro-m-xylene	68		44 - 120				12/26/18 15:39	12/27/18 13:39	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 18:35	1
PCB-1221	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 18:35	1
PCB-1232	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 18:35	1
PCB-1242	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 18:35	1
PCB-1248	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 18:35	1
PCB-1254	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 18:35	1
PCB-1260	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 18:35	1
PCB-1262	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 18:35	1
PCB-1268	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 18:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	64		39 - 121				12/28/18 15:00	12/30/18 18:35	1
Tetrachloro-m-xylene	69		39 - 121				12/28/18 15:00	12/30/18 18:35	1
DCB Decachlorobiphenyl	35		19 - 120				12/28/18 15:00	12/30/18 18:35	1
DCB Decachlorobiphenyl	51		19 - 120				12/28/18 15:00	12/30/18 18:35	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.48	0.048	ug/L		12/26/18 07:26	12/30/18 18:06	1
2,4-D	ND		0.48	0.16	ug/L		12/26/18 07:26	12/30/18 18:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	57		48 - 132				12/26/18 07:26	12/30/18 18:06	1
2,4-Dichlorophenylacetic acid	38	X	48 - 132				12/26/18 07:26	12/30/18 18:06	1

Method: 8151A - Herbicides (GC) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND	H	0.48	0.048	ug/L		01/03/19 09:23	01/16/19 08:50	1
2,4-D	ND	H	0.48	0.16	ug/L		01/03/19 09:23	01/16/19 08:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	34	X	48 - 132				01/03/19 09:23	01/16/19 08:50	1
2,4-Dichlorophenylacetic acid	42	X	48 - 132				01/03/19 09:23	01/16/19 08:50	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.18	J B	0.20	0.060	mg/L		12/27/18 08:23	12/28/18 11:43	1
Antimony	ND		0.020	0.0068	mg/L		12/27/18 08:23	12/28/18 11:43	1
Arsenic	ND		0.015	0.0056	mg/L		12/27/18 08:23	12/28/18 11:43	1
Barium	0.027		0.0020	0.00070	mg/L		12/27/18 08:23	12/28/18 11:43	1
Beryllium	ND		0.0020	0.00030	mg/L		12/27/18 08:23	12/28/18 11:43	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Far Back Room Vault

Lab Sample ID: 480-147238-4

Date Collected: 12/19/18 14:10

Matrix: Water

Date Received: 12/21/18 16:30

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		12/27/18 08:23	12/28/18 11:43	1
Calcium	67.4	B	0.50	0.10	mg/L		12/27/18 08:23	12/28/18 11:43	1
Chromium	ND		0.0040	0.0010	mg/L		12/27/18 08:23	12/28/18 11:43	1
Cobalt	ND		0.0040	0.00063	mg/L		12/27/18 08:23	12/28/18 11:43	1
Copper	0.0066	J	0.010	0.0016	mg/L		12/27/18 08:23	12/28/18 11:43	1
Iron	0.20		0.050	0.019	mg/L		12/27/18 08:23	12/28/18 11:43	1
Lead	ND		0.010	0.0030	mg/L		12/27/18 08:23	12/28/18 11:43	1
Magnesium	15.8		0.20	0.043	mg/L		12/27/18 08:23	12/28/18 11:43	1
Manganese	0.0046		0.0030	0.00040	mg/L		12/27/18 08:23	12/28/18 11:43	1
Nickel	0.0026	J	0.010	0.0013	mg/L		12/27/18 08:23	12/28/18 11:43	1
Potassium	34.2		0.50	0.10	mg/L		12/27/18 08:23	12/28/18 11:43	1
Selenium	ND		0.025	0.0087	mg/L		12/27/18 08:23	12/28/18 11:43	1
Silver	ND		0.0060	0.0017	mg/L		12/27/18 08:23	12/28/18 11:43	1
Sodium	23.9		1.0	0.32	mg/L		12/27/18 08:23	12/28/18 11:43	1
Thallium	ND		0.020	0.010	mg/L		12/27/18 08:23	12/28/18 11:43	1
Vanadium	0.0025	J	0.0050	0.0015	mg/L		12/27/18 08:23	12/28/18 11:43	1
Zinc	0.0072	J	0.010	0.0015	mg/L		12/27/18 08:23	12/28/18 11:43	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/26/18 11:20	12/26/18 14:30	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Low Room Vault 3

Lab Sample ID: 480-147238-5

Date Collected: 12/19/18 15:10

Matrix: Water

Date Received: 12/21/18 16:30

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.50	0.058	ug/L			12/28/18 20:05	10
1,2-Dichloroethane	ND		0.50	0.050	ug/L			12/28/18 20:05	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130					12/28/18 20:05	10
4-Bromofluorobenzene (Surr)	103		70 - 130					12/28/18 20:05	10
Dibromofluoromethane (Surr)	103		70 - 130					12/28/18 20:05	10
Toluene-d8 (Surr)	95		70 - 130					12/28/18 20:05	10

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			12/27/18 04:09	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/27/18 04:09	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			12/27/18 04:09	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/27/18 04:09	10
1,1-Dichloroethane	ND		10	3.8	ug/L			12/27/18 04:09	10
1,1-Dichloroethene	ND		10	2.9	ug/L			12/27/18 04:09	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			12/27/18 04:09	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			12/27/18 04:09	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			12/27/18 04:09	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/27/18 04:09	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/27/18 04:09	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			12/27/18 04:09	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			12/27/18 04:09	10
2-Butanone (MEK)	ND		100	13	ug/L			12/27/18 04:09	10
2-Hexanone	ND		50	12	ug/L			12/27/18 04:09	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			12/27/18 04:09	10
Acetone	ND		100	30	ug/L			12/27/18 04:09	10
Benzene	ND		10	4.1	ug/L			12/27/18 04:09	10
Bromodichloromethane	ND		10	3.9	ug/L			12/27/18 04:09	10
Bromoform	ND		10	2.6	ug/L			12/27/18 04:09	10
Bromomethane	ND		10	6.9	ug/L			12/27/18 04:09	10
Carbon disulfide	ND		10	1.9	ug/L			12/27/18 04:09	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/27/18 04:09	10
Chlorobenzene	ND		10	7.5	ug/L			12/27/18 04:09	10
Chloroethane	ND		10	3.2	ug/L			12/27/18 04:09	10
Chloroform	ND		10	3.4	ug/L			12/27/18 04:09	10
Chloromethane	ND		10	3.5	ug/L			12/27/18 04:09	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			12/27/18 04:09	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/27/18 04:09	10
Cyclohexane	ND		10	1.8	ug/L			12/27/18 04:09	10
Dibromochloromethane	ND		10	3.2	ug/L			12/27/18 04:09	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			12/27/18 04:09	10
Ethylbenzene	ND		10	7.4	ug/L			12/27/18 04:09	10
Ethylene Dibromide	ND		10	7.3	ug/L			12/27/18 04:09	10
Isopropylbenzene	ND		10	7.9	ug/L			12/27/18 04:09	10
Methyl acetate	ND		25	13	ug/L			12/27/18 04:09	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			12/27/18 04:09	10
Methylcyclohexane	ND		10	1.6	ug/L			12/27/18 04:09	10
Methylene Chloride	ND		10	4.4	ug/L			12/27/18 04:09	10

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Low Room Vault 3

Lab Sample ID: 480-147238-5

Date Collected: 12/19/18 15:10

Matrix: Water

Date Received: 12/21/18 16:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		10	7.3	ug/L			12/27/18 04:09	10
Tetrachloroethene	ND		10	3.6	ug/L			12/27/18 04:09	10
Toluene	ND		10	5.1	ug/L			12/27/18 04:09	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			12/27/18 04:09	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/27/18 04:09	10
Trichloroethene	ND		10	4.6	ug/L			12/27/18 04:09	10
Trichlorofluoromethane	ND		10	8.8	ug/L			12/27/18 04:09	10
Vinyl chloride	ND		10	9.0	ug/L			12/27/18 04:09	10
Xylenes, Total	ND		20	6.6	ug/L			12/27/18 04:09	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		77 - 120		12/27/18 04:09	10
4-Bromofluorobenzene (Surr)	112		73 - 120		12/27/18 04:09	10
Dibromofluoromethane (Surr)	86		75 - 123		12/27/18 04:09	10
Toluene-d8 (Surr)	92		80 - 120		12/27/18 04:09	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		25	3.3	ug/L		12/26/18 06:34	12/29/18 01:25	5
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		12/26/18 06:34	12/29/18 01:25	5
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		12/26/18 06:34	12/29/18 01:25	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		12/26/18 06:34	12/29/18 01:25	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		12/26/18 06:34	12/29/18 01:25	5
2,4-Dimethylphenol	ND		25	2.5	ug/L		12/26/18 06:34	12/29/18 01:25	5
2,4-Dinitrophenol	ND		50	11	ug/L		12/26/18 06:34	12/29/18 01:25	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		12/26/18 06:34	12/29/18 01:25	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		12/26/18 06:34	12/29/18 01:25	5
2-Chloronaphthalene	ND		25	2.3	ug/L		12/26/18 06:34	12/29/18 01:25	5
2-Chlorophenol	ND		25	2.7	ug/L		12/26/18 06:34	12/29/18 01:25	5
2-Methylphenol	ND		25	2.0	ug/L		12/26/18 06:34	12/29/18 01:25	5
2-Methylnaphthalene	ND		25	3.0	ug/L		12/26/18 06:34	12/29/18 01:25	5
2-Nitroaniline	ND		50	2.1	ug/L		12/26/18 06:34	12/29/18 01:25	5
2-Nitrophenol	ND		25	2.4	ug/L		12/26/18 06:34	12/29/18 01:25	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		12/26/18 06:34	12/29/18 01:25	5
3-Nitroaniline	ND		50	2.4	ug/L		12/26/18 06:34	12/29/18 01:25	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		12/26/18 06:34	12/29/18 01:25	5
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		12/26/18 06:34	12/29/18 01:25	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		12/26/18 06:34	12/29/18 01:25	5
4-Chloroaniline	ND		25	3.0	ug/L		12/26/18 06:34	12/29/18 01:25	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		12/26/18 06:34	12/29/18 01:25	5
4-Methylphenol	ND		50	1.8	ug/L		12/26/18 06:34	12/29/18 01:25	5
4-Nitroaniline	ND		50	1.3	ug/L		12/26/18 06:34	12/29/18 01:25	5
4-Nitrophenol	ND		50	7.6	ug/L		12/26/18 06:34	12/29/18 01:25	5
Acenaphthene	ND		25	2.1	ug/L		12/26/18 06:34	12/29/18 01:25	5
Acenaphthylene	ND		25	1.9	ug/L		12/26/18 06:34	12/29/18 01:25	5
Acetophenone	ND		25	2.7	ug/L		12/26/18 06:34	12/29/18 01:25	5
Anthracene	ND		25	1.4	ug/L		12/26/18 06:34	12/29/18 01:25	5
Atrazine	ND *		25	2.3	ug/L		12/26/18 06:34	12/29/18 01:25	5
Benzaldehyde	ND		25	1.3	ug/L		12/26/18 06:34	12/29/18 01:25	5
Benzo[a]anthracene	ND		25	1.8	ug/L		12/26/18 06:34	12/29/18 01:25	5

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Low Room Vault 3

Lab Sample ID: 480-147238-5

Date Collected: 12/19/18 15:10

Matrix: Water

Date Received: 12/21/18 16:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		25	2.4	ug/L		12/26/18 06:34	12/29/18 01:25	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		12/26/18 06:34	12/29/18 01:25	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		12/26/18 06:34	12/29/18 01:25	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		12/26/18 06:34	12/29/18 01:25	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		12/26/18 06:34	12/29/18 01:25	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		12/26/18 06:34	12/29/18 01:25	5
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		12/26/18 06:34	12/29/18 01:25	5
Butyl benzyl phthalate	ND		25	5.0	ug/L		12/26/18 06:34	12/29/18 01:25	5
Caprolactam	ND		25	11	ug/L		12/26/18 06:34	12/29/18 01:25	5
Carbazole	ND		25	1.5	ug/L		12/26/18 06:34	12/29/18 01:25	5
Chrysene	ND		25	1.7	ug/L		12/26/18 06:34	12/29/18 01:25	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		12/26/18 06:34	12/29/18 01:25	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		12/26/18 06:34	12/29/18 01:25	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		12/26/18 06:34	12/29/18 01:25	5
Dibenzofuran	ND		50	2.6	ug/L		12/26/18 06:34	12/29/18 01:25	5
Diethyl phthalate	ND		25	1.1	ug/L		12/26/18 06:34	12/29/18 01:25	5
Dimethyl phthalate	ND		25	1.8	ug/L		12/26/18 06:34	12/29/18 01:25	5
Fluoranthene	ND		25	2.0	ug/L		12/26/18 06:34	12/29/18 01:25	5
Fluorene	ND		25	1.8	ug/L		12/26/18 06:34	12/29/18 01:25	5
Hexachlorobenzene	ND		25	2.6	ug/L		12/26/18 06:34	12/29/18 01:25	5
Hexachlorobutadiene	ND		25	3.4	ug/L		12/26/18 06:34	12/29/18 01:25	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		12/26/18 06:34	12/29/18 01:25	5
Hexachloroethane	ND		25	3.0	ug/L		12/26/18 06:34	12/29/18 01:25	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		12/26/18 06:34	12/29/18 01:25	5
Isophorone	ND		25	2.2	ug/L		12/26/18 06:34	12/29/18 01:25	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		12/26/18 06:34	12/29/18 01:25	5
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		12/26/18 06:34	12/29/18 01:25	5
Naphthalene	ND		25	3.8	ug/L		12/26/18 06:34	12/29/18 01:25	5
Nitrobenzene	ND		25	1.5	ug/L		12/26/18 06:34	12/29/18 01:25	5
Pentachlorophenol	ND		50	11	ug/L		12/26/18 06:34	12/29/18 01:25	5
Phenanthrene	ND		25	2.2	ug/L		12/26/18 06:34	12/29/18 01:25	5
Phenol	ND		25	2.0	ug/L		12/26/18 06:34	12/29/18 01:25	5
Pyrene	ND		25	1.7	ug/L		12/26/18 06:34	12/29/18 01:25	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	78		46 - 120	12/26/18 06:34	12/29/18 01:25	5
Phenol-d5 (Surr)	39		22 - 120	12/26/18 06:34	12/29/18 01:25	5
p-Terphenyl-d14 (Surr)	58	X	59 - 136	12/26/18 06:34	12/29/18 01:25	5
2,4,6-Tribromophenol (Surr)	76		41 - 120	12/26/18 06:34	12/29/18 01:25	5
2-Fluorobiphenyl	79		48 - 120	12/26/18 06:34	12/29/18 01:25	5
2-Fluorophenol (Surr)	53		35 - 120	12/26/18 06:34	12/29/18 01:25	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		1.0	0.58	ug/L		12/26/18 15:39	12/27/18 13:58	2
Endrin	ND		0.10	0.028	ug/L		12/26/18 15:39	12/27/18 13:58	2
gamma-BHC (Lindane)	0.018	J	0.10	0.016	ug/L		12/26/18 15:39	12/27/18 13:58	2
Heptachlor	ND		0.10	0.017	ug/L		12/26/18 15:39	12/27/18 13:58	2
Heptachlor epoxide	ND		0.10	0.015	ug/L		12/26/18 15:39	12/27/18 13:58	2
Methoxychlor	ND		0.10	0.028	ug/L		12/26/18 15:39	12/27/18 13:58	2

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Low Room Vault 3

Lab Sample ID: 480-147238-5

Date Collected: 12/19/18 15:10

Matrix: Water

Date Received: 12/21/18 16:30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		1.0	0.24	ug/L		12/26/18 15:39	12/27/18 13:58	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	44		20 - 120				12/26/18 15:39	12/27/18 13:58	2
DCB Decachlorobiphenyl	55		20 - 120				12/26/18 15:39	12/27/18 13:58	2
Tetrachloro-m-xylene	65		44 - 120				12/26/18 15:39	12/27/18 13:58	2
Tetrachloro-m-xylene	44		44 - 120				12/26/18 15:39	12/27/18 13:58	2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 18:51	1
PCB-1221	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 18:51	1
PCB-1232	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 18:51	1
PCB-1242	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 18:51	1
PCB-1248	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 18:51	1
PCB-1254	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 18:51	1
PCB-1260	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 18:51	1
PCB-1262	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 18:51	1
PCB-1268	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 18:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	64		39 - 121				12/28/18 15:00	12/30/18 18:51	1
Tetrachloro-m-xylene	51		39 - 121				12/28/18 15:00	12/30/18 18:51	1
DCB Decachlorobiphenyl	18	X	19 - 120				12/28/18 15:00	12/30/18 18:51	1
DCB Decachlorobiphenyl	31		19 - 120				12/28/18 15:00	12/30/18 18:51	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.48	0.048	ug/L		12/26/18 07:26	12/30/18 18:36	1
2,4-D	ND		0.48	0.16	ug/L		12/26/18 07:26	12/30/18 18:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	41	X	48 - 132				12/26/18 07:26	12/30/18 18:36	1
2,4-Dichlorophenylacetic acid	38	X	48 - 132				12/26/18 07:26	12/30/18 18:36	1

Method: 8151A - Herbicides (GC) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND	H	0.48	0.048	ug/L		01/03/19 09:23	01/16/19 09:20	1
2,4-D	ND	H	0.48	0.16	ug/L		01/03/19 09:23	01/16/19 09:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	44	X	48 - 132				01/03/19 09:23	01/16/19 09:20	1
2,4-Dichlorophenylacetic acid	44	X	48 - 132				01/03/19 09:23	01/16/19 09:20	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.59	B	0.20	0.060	mg/L		12/27/18 08:23	12/28/18 12:11	1
Antimony	ND		0.020	0.0068	mg/L		12/27/18 08:23	12/28/18 12:11	1
Arsenic	ND		0.015	0.0056	mg/L		12/27/18 08:23	12/28/18 12:11	1
Barium	0.093		0.0020	0.00070	mg/L		12/27/18 08:23	12/28/18 12:11	1
Beryllium	ND		0.0020	0.00030	mg/L		12/27/18 08:23	12/28/18 12:11	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Low Room Vault 3

Lab Sample ID: 480-147238-5

Date Collected: 12/19/18 15:10

Matrix: Water

Date Received: 12/21/18 16:30

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		12/27/18 08:23	12/28/18 12:11	1
Calcium	104	B	0.50	0.10	mg/L		12/27/18 08:23	12/28/18 12:11	1
Chromium	0.0019	J	0.0040	0.0010	mg/L		12/27/18 08:23	12/28/18 12:11	1
Cobalt	0.00080	J	0.0040	0.00063	mg/L		12/27/18 08:23	12/28/18 12:11	1
Copper	0.0058	J	0.010	0.0016	mg/L		12/27/18 08:23	12/28/18 12:11	1
Iron	3.7		0.050	0.019	mg/L		12/27/18 08:23	12/28/18 12:11	1
Lead	0.0072	J	0.010	0.0030	mg/L		12/27/18 08:23	12/28/18 12:11	1
Magnesium	15.2		0.20	0.043	mg/L		12/27/18 08:23	12/28/18 12:11	1
Manganese	0.35		0.0030	0.00040	mg/L		12/27/18 08:23	12/28/18 12:11	1
Nickel	0.0093	J	0.010	0.0013	mg/L		12/27/18 08:23	12/28/18 12:11	1
Potassium	10.9		0.50	0.10	mg/L		12/27/18 08:23	12/28/18 12:11	1
Selenium	ND		0.025	0.0087	mg/L		12/27/18 08:23	12/28/18 12:11	1
Silver	ND		0.0060	0.0017	mg/L		12/27/18 08:23	12/28/18 12:11	1
Sodium	43.8		1.0	0.32	mg/L		12/27/18 08:23	12/28/18 12:11	1
Thallium	ND		0.020	0.010	mg/L		12/27/18 08:23	12/28/18 12:11	1
Vanadium	0.0022	J	0.0050	0.0015	mg/L		12/27/18 08:23	12/28/18 12:11	1
Zinc	0.17		0.010	0.0015	mg/L		12/27/18 08:23	12/28/18 12:11	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/26/18 11:20	12/26/18 14:31	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Drain Room DI

Lab Sample ID: 480-147238-6

Date Collected: 12/19/18 15:30

Matrix: Water

Date Received: 12/21/18 16:30

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.050	0.0058	ug/L			12/28/18 18:44	1
1,2-Dichloroethane	ND		0.050	0.0050	ug/L			12/28/18 18:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130					12/28/18 18:44	1
4-Bromofluorobenzene (Surr)	103		70 - 130					12/28/18 18:44	1
Dibromofluoromethane (Surr)	103		70 - 130					12/28/18 18:44	1
Toluene-d8 (Surr)	95		70 - 130					12/28/18 18:44	1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/27/18 04:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/27/18 04:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/27/18 04:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/27/18 04:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/27/18 04:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/27/18 04:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/27/18 04:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/27/18 04:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/27/18 04:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/27/18 04:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/27/18 04:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/27/18 04:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/27/18 04:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/27/18 04:32	1
2-Hexanone	ND		5.0	1.2	ug/L			12/27/18 04:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/27/18 04:32	1
Acetone	ND		10	3.0	ug/L			12/27/18 04:32	1
Benzene	ND		1.0	0.41	ug/L			12/27/18 04:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/27/18 04:32	1
Bromoform	ND		1.0	0.26	ug/L			12/27/18 04:32	1
Bromomethane	ND		1.0	0.69	ug/L			12/27/18 04:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/27/18 04:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/27/18 04:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/27/18 04:32	1
Chloroethane	ND		1.0	0.32	ug/L			12/27/18 04:32	1
Chloroform	ND		1.0	0.34	ug/L			12/27/18 04:32	1
Chloromethane	ND		1.0	0.35	ug/L			12/27/18 04:32	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/27/18 04:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/27/18 04:32	1
Cyclohexane	ND		1.0	0.18	ug/L			12/27/18 04:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/27/18 04:32	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/27/18 04:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/27/18 04:32	1
Ethylene Dibromide	ND		1.0	0.73	ug/L			12/27/18 04:32	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/27/18 04:32	1
Methyl acetate	ND		2.5	1.3	ug/L			12/27/18 04:32	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/27/18 04:32	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/27/18 04:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/27/18 04:32	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Drain Room DI

Lab Sample ID: 480-147238-6

Date Collected: 12/19/18 15:30

Matrix: Water

Date Received: 12/21/18 16:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			12/27/18 04:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/27/18 04:32	1
Toluene	ND		1.0	0.51	ug/L			12/27/18 04:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/27/18 04:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/27/18 04:32	1
Trichloroethene	ND		1.0	0.46	ug/L			12/27/18 04:32	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/27/18 04:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/27/18 04:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/27/18 04:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		77 - 120		12/27/18 04:32	1
4-Bromofluorobenzene (Surr)	110		73 - 120		12/27/18 04:32	1
Dibromofluoromethane (Surr)	85		75 - 123		12/27/18 04:32	1
Toluene-d8 (Surr)	92		80 - 120		12/27/18 04:32	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		25	3.3	ug/L		12/26/18 06:34	12/29/18 01:54	5
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		12/26/18 06:34	12/29/18 01:54	5
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		12/26/18 06:34	12/29/18 01:54	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		12/26/18 06:34	12/29/18 01:54	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		12/26/18 06:34	12/29/18 01:54	5
2,4-Dimethylphenol	ND		25	2.5	ug/L		12/26/18 06:34	12/29/18 01:54	5
2,4-Dinitrophenol	ND		50	11	ug/L		12/26/18 06:34	12/29/18 01:54	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		12/26/18 06:34	12/29/18 01:54	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		12/26/18 06:34	12/29/18 01:54	5
2-Chloronaphthalene	ND		25	2.3	ug/L		12/26/18 06:34	12/29/18 01:54	5
2-Chlorophenol	ND		25	2.7	ug/L		12/26/18 06:34	12/29/18 01:54	5
2-Methylphenol	ND		25	2.0	ug/L		12/26/18 06:34	12/29/18 01:54	5
2-Methylnaphthalene	ND		25	3.0	ug/L		12/26/18 06:34	12/29/18 01:54	5
2-Nitroaniline	ND		50	2.1	ug/L		12/26/18 06:34	12/29/18 01:54	5
2-Nitrophenol	ND		25	2.4	ug/L		12/26/18 06:34	12/29/18 01:54	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		12/26/18 06:34	12/29/18 01:54	5
3-Nitroaniline	ND		50	2.4	ug/L		12/26/18 06:34	12/29/18 01:54	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		12/26/18 06:34	12/29/18 01:54	5
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		12/26/18 06:34	12/29/18 01:54	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		12/26/18 06:34	12/29/18 01:54	5
4-Chloroaniline	ND		25	3.0	ug/L		12/26/18 06:34	12/29/18 01:54	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		12/26/18 06:34	12/29/18 01:54	5
4-Methylphenol	ND		50	1.8	ug/L		12/26/18 06:34	12/29/18 01:54	5
4-Nitroaniline	ND		50	1.3	ug/L		12/26/18 06:34	12/29/18 01:54	5
4-Nitrophenol	ND		50	7.6	ug/L		12/26/18 06:34	12/29/18 01:54	5
Acenaphthene	ND		25	2.1	ug/L		12/26/18 06:34	12/29/18 01:54	5
Acenaphthylene	ND		25	1.9	ug/L		12/26/18 06:34	12/29/18 01:54	5
Acetophenone	ND		25	2.7	ug/L		12/26/18 06:34	12/29/18 01:54	5
Anthracene	ND		25	1.4	ug/L		12/26/18 06:34	12/29/18 01:54	5
Atrazine	ND *		25	2.3	ug/L		12/26/18 06:34	12/29/18 01:54	5
Benzaldehyde	ND		25	1.3	ug/L		12/26/18 06:34	12/29/18 01:54	5
Benzo[a]anthracene	ND		25	1.8	ug/L		12/26/18 06:34	12/29/18 01:54	5

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Drain Room DI

Date Collected: 12/19/18 15:30

Date Received: 12/21/18 16:30

Lab Sample ID: 480-147238-6

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		25	2.4	ug/L		12/26/18 06:34	12/29/18 01:54	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		12/26/18 06:34	12/29/18 01:54	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		12/26/18 06:34	12/29/18 01:54	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		12/26/18 06:34	12/29/18 01:54	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		12/26/18 06:34	12/29/18 01:54	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		12/26/18 06:34	12/29/18 01:54	5
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		12/26/18 06:34	12/29/18 01:54	5
Butyl benzyl phthalate	ND		25	5.0	ug/L		12/26/18 06:34	12/29/18 01:54	5
Caprolactam	ND		25	11	ug/L		12/26/18 06:34	12/29/18 01:54	5
Carbazole	ND		25	1.5	ug/L		12/26/18 06:34	12/29/18 01:54	5
Chrysene	ND		25	1.7	ug/L		12/26/18 06:34	12/29/18 01:54	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		12/26/18 06:34	12/29/18 01:54	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		12/26/18 06:34	12/29/18 01:54	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		12/26/18 06:34	12/29/18 01:54	5
Dibenzofuran	ND		50	2.6	ug/L		12/26/18 06:34	12/29/18 01:54	5
Diethyl phthalate	ND		25	1.1	ug/L		12/26/18 06:34	12/29/18 01:54	5
Dimethyl phthalate	ND		25	1.8	ug/L		12/26/18 06:34	12/29/18 01:54	5
Fluoranthene	ND		25	2.0	ug/L		12/26/18 06:34	12/29/18 01:54	5
Fluorene	ND		25	1.8	ug/L		12/26/18 06:34	12/29/18 01:54	5
Hexachlorobenzene	ND		25	2.6	ug/L		12/26/18 06:34	12/29/18 01:54	5
Hexachlorobutadiene	ND		25	3.4	ug/L		12/26/18 06:34	12/29/18 01:54	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		12/26/18 06:34	12/29/18 01:54	5
Hexachloroethane	ND		25	3.0	ug/L		12/26/18 06:34	12/29/18 01:54	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		12/26/18 06:34	12/29/18 01:54	5
Isophorone	ND		25	2.2	ug/L		12/26/18 06:34	12/29/18 01:54	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		12/26/18 06:34	12/29/18 01:54	5
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		12/26/18 06:34	12/29/18 01:54	5
Naphthalene	ND		25	3.8	ug/L		12/26/18 06:34	12/29/18 01:54	5
Nitrobenzene	ND		25	1.5	ug/L		12/26/18 06:34	12/29/18 01:54	5
Pentachlorophenol	ND		50	11	ug/L		12/26/18 06:34	12/29/18 01:54	5
Phenanthrene	ND		25	2.2	ug/L		12/26/18 06:34	12/29/18 01:54	5
Phenol	ND		25	2.0	ug/L		12/26/18 06:34	12/29/18 01:54	5
Pyrene	ND		25	1.7	ug/L		12/26/18 06:34	12/29/18 01:54	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	77		46 - 120	12/26/18 06:34	12/29/18 01:54	5
Phenol-d5 (Surr)	38		22 - 120	12/26/18 06:34	12/29/18 01:54	5
p-Terphenyl-d14 (Surr)	87		59 - 136	12/26/18 06:34	12/29/18 01:54	5
2,4,6-Tribromophenol (Surr)	66		41 - 120	12/26/18 06:34	12/29/18 01:54	5
2-Fluorobiphenyl	81		48 - 120	12/26/18 06:34	12/29/18 01:54	5
2-Fluorophenol (Surr)	54		35 - 120	12/26/18 06:34	12/29/18 01:54	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.50	0.29	ug/L		12/26/18 15:39	12/27/18 14:18	1
Endrin	ND		0.050	0.014	ug/L		12/26/18 15:39	12/27/18 14:18	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		12/26/18 15:39	12/27/18 14:18	1
Heptachlor	ND		0.050	0.0085	ug/L		12/26/18 15:39	12/27/18 14:18	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		12/26/18 15:39	12/27/18 14:18	1
Methoxychlor	ND		0.050	0.014	ug/L		12/26/18 15:39	12/27/18 14:18	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Drain Room DI

Lab Sample ID: 480-147238-6

Date Collected: 12/19/18 15:30

Matrix: Water

Date Received: 12/21/18 16:30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		0.50	0.12	ug/L		12/26/18 15:39	12/27/18 14:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	60		20 - 120				12/26/18 15:39	12/27/18 14:18	1
DCB Decachlorobiphenyl	56		20 - 120				12/26/18 15:39	12/27/18 14:18	1
Tetrachloro-m-xylene	303	X	44 - 120				12/26/18 15:39	12/27/18 14:18	1
Tetrachloro-m-xylene	76		44 - 120				12/26/18 15:39	12/27/18 14:18	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 19:07	1
PCB-1221	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 19:07	1
PCB-1232	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 19:07	1
PCB-1242	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 19:07	1
PCB-1248	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 19:07	1
PCB-1254	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 19:07	1
PCB-1260	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 19:07	1
PCB-1262	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 19:07	1
PCB-1268	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 19:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	169	X	39 - 121				12/28/18 15:00	12/30/18 19:07	1
Tetrachloro-m-xylene	64		39 - 121				12/28/18 15:00	12/30/18 19:07	1
DCB Decachlorobiphenyl	15	X	19 - 120				12/28/18 15:00	12/30/18 19:07	1
DCB Decachlorobiphenyl	27		19 - 120				12/28/18 15:00	12/30/18 19:07	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.48	0.048	ug/L		12/26/18 07:26	12/30/18 19:06	1
2,4-D	ND		0.48	0.16	ug/L		12/26/18 07:26	12/30/18 19:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	40	X	48 - 132				12/26/18 07:26	12/30/18 19:06	1
2,4-Dichlorophenylacetic acid	45	X	48 - 132				12/26/18 07:26	12/30/18 19:06	1

Method: 8151A - Herbicides (GC) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND	H	0.48	0.048	ug/L		01/03/19 09:23	01/16/19 09:50	1
2,4-D	ND	H	0.48	0.16	ug/L		01/03/19 09:23	01/16/19 09:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	53		48 - 132				01/03/19 09:23	01/16/19 09:50	1
2,4-Dichlorophenylacetic acid	58		48 - 132				01/03/19 09:23	01/16/19 09:50	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1.4	B	0.20	0.060	mg/L		12/27/18 08:23	12/28/18 12:15	1
Antimony	ND		0.020	0.0068	mg/L		12/27/18 08:23	12/28/18 12:15	1
Arsenic	ND		0.015	0.0056	mg/L		12/27/18 08:23	12/28/18 12:15	1
Barium	0.031		0.0020	0.00070	mg/L		12/27/18 08:23	12/28/18 12:15	1
Beryllium	ND		0.0020	0.00030	mg/L		12/27/18 08:23	12/28/18 12:15	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Drain Room DI

Lab Sample ID: 480-147238-6

Date Collected: 12/19/18 15:30

Matrix: Water

Date Received: 12/21/18 16:30

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		12/27/18 08:23	12/28/18 12:15	1
Calcium	8.5	B	0.50	0.10	mg/L		12/27/18 08:23	12/28/18 12:15	1
Chromium	0.0017	J	0.0040	0.0010	mg/L		12/27/18 08:23	12/28/18 12:15	1
Cobalt	0.0017	J	0.0040	0.00063	mg/L		12/27/18 08:23	12/28/18 12:15	1
Copper	0.011		0.010	0.0016	mg/L		12/27/18 08:23	12/28/18 12:15	1
Iron	1.0		0.050	0.019	mg/L		12/27/18 08:23	12/28/18 12:15	1
Lead	0.011		0.010	0.0030	mg/L		12/27/18 08:23	12/28/18 12:15	1
Magnesium	1.3		0.20	0.043	mg/L		12/27/18 08:23	12/28/18 12:15	1
Manganese	0.041		0.0030	0.00040	mg/L		12/27/18 08:23	12/28/18 12:15	1
Nickel	0.0041	J	0.010	0.0013	mg/L		12/27/18 08:23	12/28/18 12:15	1
Potassium	0.37	J	0.50	0.10	mg/L		12/27/18 08:23	12/28/18 12:15	1
Selenium	ND		0.025	0.0087	mg/L		12/27/18 08:23	12/28/18 12:15	1
Silver	ND		0.0060	0.0017	mg/L		12/27/18 08:23	12/28/18 12:15	1
Sodium	1.2		1.0	0.32	mg/L		12/27/18 08:23	12/28/18 12:15	1
Thallium	ND		0.020	0.010	mg/L		12/27/18 08:23	12/28/18 12:15	1
Vanadium	0.0022	J	0.0050	0.0015	mg/L		12/27/18 08:23	12/28/18 12:15	1
Zinc	0.38		0.010	0.0015	mg/L		12/27/18 08:23	12/28/18 12:15	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/26/18 11:20	12/26/18 14:32	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Flammable Tent DI

Lab Sample ID: 480-147238-7

Date Collected: 12/19/18 16:00

Matrix: Water

Date Received: 12/21/18 16:30

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		1.0	0.12	ug/L			12/28/18 20:59	20
1,2-Dichloroethane	ND		1.0	0.10	ug/L			12/28/18 20:59	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 130					12/28/18 20:59	20
4-Bromofluorobenzene (Surr)	102		70 - 130					12/28/18 20:59	20
Dibromofluoromethane (Surr)	99		70 - 130					12/28/18 20:59	20
Toluene-d8 (Surr)	94		70 - 130					12/28/18 20:59	20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			12/27/18 04:55	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			12/27/18 04:55	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			12/27/18 04:55	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			12/27/18 04:55	20
1,1-Dichloroethane	ND		20	7.6	ug/L			12/27/18 04:55	20
1,1-Dichloroethene	ND		20	5.8	ug/L			12/27/18 04:55	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			12/27/18 04:55	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			12/27/18 04:55	20
1,2-Dichlorobenzene	ND		20	16	ug/L			12/27/18 04:55	20
1,2-Dichloroethane	ND		20	4.2	ug/L			12/27/18 04:55	20
1,2-Dichloropropane	ND		20	14	ug/L			12/27/18 04:55	20
1,3-Dichlorobenzene	ND		20	16	ug/L			12/27/18 04:55	20
1,4-Dichlorobenzene	ND		20	17	ug/L			12/27/18 04:55	20
2-Butanone (MEK)	ND		200	26	ug/L			12/27/18 04:55	20
2-Hexanone	ND		100	25	ug/L			12/27/18 04:55	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			12/27/18 04:55	20
Acetone	ND		200	60	ug/L			12/27/18 04:55	20
Benzene	ND		20	8.2	ug/L			12/27/18 04:55	20
Bromodichloromethane	ND		20	7.8	ug/L			12/27/18 04:55	20
Bromoform	ND		20	5.2	ug/L			12/27/18 04:55	20
Bromomethane	ND		20	14	ug/L			12/27/18 04:55	20
Carbon disulfide	ND		20	3.8	ug/L			12/27/18 04:55	20
Carbon tetrachloride	ND		20	5.4	ug/L			12/27/18 04:55	20
Chlorobenzene	ND		20	15	ug/L			12/27/18 04:55	20
Chloroethane	ND		20	6.4	ug/L			12/27/18 04:55	20
Chloroform	ND		20	6.8	ug/L			12/27/18 04:55	20
Chloromethane	ND		20	7.0	ug/L			12/27/18 04:55	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			12/27/18 04:55	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			12/27/18 04:55	20
Cyclohexane	ND		20	3.6	ug/L			12/27/18 04:55	20
Dibromochloromethane	ND		20	6.4	ug/L			12/27/18 04:55	20
Dichlorodifluoromethane	ND		20	14	ug/L			12/27/18 04:55	20
Ethylbenzene	ND		20	15	ug/L			12/27/18 04:55	20
Ethylene Dibromide	ND		20	15	ug/L			12/27/18 04:55	20
Isopropylbenzene	ND		20	16	ug/L			12/27/18 04:55	20
Methyl acetate	ND		50	26	ug/L			12/27/18 04:55	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			12/27/18 04:55	20
Methylcyclohexane	ND		20	3.2	ug/L			12/27/18 04:55	20
Methylene Chloride	ND		20	8.8	ug/L			12/27/18 04:55	20

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Flammable Tent DI

Lab Sample ID: 480-147238-7

Date Collected: 12/19/18 16:00

Matrix: Water

Date Received: 12/21/18 16:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		20	15	ug/L			12/27/18 04:55	20
Tetrachloroethene	ND		20	7.2	ug/L			12/27/18 04:55	20
Toluene	ND		20	10	ug/L			12/27/18 04:55	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			12/27/18 04:55	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			12/27/18 04:55	20
Trichloroethene	ND		20	9.2	ug/L			12/27/18 04:55	20
Trichlorofluoromethane	ND		20	18	ug/L			12/27/18 04:55	20
Vinyl chloride	ND		20	18	ug/L			12/27/18 04:55	20
Xylenes, Total	ND		40	13	ug/L			12/27/18 04:55	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		77 - 120		12/27/18 04:55	20
4-Bromofluorobenzene (Surr)	112		73 - 120		12/27/18 04:55	20
Dibromofluoromethane (Surr)	85		75 - 123		12/27/18 04:55	20
Toluene-d8 (Surr)	95		80 - 120		12/27/18 04:55	20

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		12/26/18 06:34	12/29/18 02:23	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		12/26/18 06:34	12/29/18 02:23	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		12/26/18 06:34	12/29/18 02:23	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		12/26/18 06:34	12/29/18 02:23	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		12/26/18 06:34	12/29/18 02:23	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		12/26/18 06:34	12/29/18 02:23	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		12/26/18 06:34	12/29/18 02:23	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		12/26/18 06:34	12/29/18 02:23	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		12/26/18 06:34	12/29/18 02:23	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		12/26/18 06:34	12/29/18 02:23	1
2-Chlorophenol	ND		5.0	0.53	ug/L		12/26/18 06:34	12/29/18 02:23	1
2-Methylphenol	ND		5.0	0.40	ug/L		12/26/18 06:34	12/29/18 02:23	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		12/26/18 06:34	12/29/18 02:23	1
2-Nitroaniline	ND		10	0.42	ug/L		12/26/18 06:34	12/29/18 02:23	1
2-Nitrophenol	ND		5.0	0.48	ug/L		12/26/18 06:34	12/29/18 02:23	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		12/26/18 06:34	12/29/18 02:23	1
3-Nitroaniline	ND		10	0.48	ug/L		12/26/18 06:34	12/29/18 02:23	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		12/26/18 06:34	12/29/18 02:23	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		12/26/18 06:34	12/29/18 02:23	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		12/26/18 06:34	12/29/18 02:23	1
4-Chloroaniline	ND		5.0	0.59	ug/L		12/26/18 06:34	12/29/18 02:23	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		12/26/18 06:34	12/29/18 02:23	1
4-Methylphenol	ND		10	0.36	ug/L		12/26/18 06:34	12/29/18 02:23	1
4-Nitroaniline	ND		10	0.25	ug/L		12/26/18 06:34	12/29/18 02:23	1
4-Nitrophenol	ND		10	1.5	ug/L		12/26/18 06:34	12/29/18 02:23	1
Acenaphthene	ND		5.0	0.41	ug/L		12/26/18 06:34	12/29/18 02:23	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/26/18 06:34	12/29/18 02:23	1
Acetophenone	ND		5.0	0.54	ug/L		12/26/18 06:34	12/29/18 02:23	1
Anthracene	ND		5.0	0.28	ug/L		12/26/18 06:34	12/29/18 02:23	1
Atrazine	ND *		5.0	0.46	ug/L		12/26/18 06:34	12/29/18 02:23	1
Benzaldehyde	ND		5.0	0.27	ug/L		12/26/18 06:34	12/29/18 02:23	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/26/18 06:34	12/29/18 02:23	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Flammable Tent DI

Lab Sample ID: 480-147238-7

Date Collected: 12/19/18 16:00

Matrix: Water

Date Received: 12/21/18 16:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/26/18 06:34	12/29/18 02:23	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/26/18 06:34	12/29/18 02:23	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/26/18 06:34	12/29/18 02:23	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/26/18 06:34	12/29/18 02:23	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		12/26/18 06:34	12/29/18 02:23	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		12/26/18 06:34	12/29/18 02:23	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		12/26/18 06:34	12/29/18 02:23	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		12/26/18 06:34	12/29/18 02:23	1
Caprolactam	ND		5.0	2.2	ug/L		12/26/18 06:34	12/29/18 02:23	1
Carbazole	ND		5.0	0.30	ug/L		12/26/18 06:34	12/29/18 02:23	1
Chrysene	ND		5.0	0.33	ug/L		12/26/18 06:34	12/29/18 02:23	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/26/18 06:34	12/29/18 02:23	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		12/26/18 06:34	12/29/18 02:23	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		12/26/18 06:34	12/29/18 02:23	1
Dibenzofuran	ND		10	0.51	ug/L		12/26/18 06:34	12/29/18 02:23	1
Diethyl phthalate	ND		5.0	0.22	ug/L		12/26/18 06:34	12/29/18 02:23	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		12/26/18 06:34	12/29/18 02:23	1
Fluoranthene	ND		5.0	0.40	ug/L		12/26/18 06:34	12/29/18 02:23	1
Fluorene	ND		5.0	0.36	ug/L		12/26/18 06:34	12/29/18 02:23	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		12/26/18 06:34	12/29/18 02:23	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		12/26/18 06:34	12/29/18 02:23	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		12/26/18 06:34	12/29/18 02:23	1
Hexachloroethane	ND		5.0	0.59	ug/L		12/26/18 06:34	12/29/18 02:23	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/26/18 06:34	12/29/18 02:23	1
Isophorone	ND		5.0	0.43	ug/L		12/26/18 06:34	12/29/18 02:23	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		12/26/18 06:34	12/29/18 02:23	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		12/26/18 06:34	12/29/18 02:23	1
Naphthalene	ND		5.0	0.76	ug/L		12/26/18 06:34	12/29/18 02:23	1
Nitrobenzene	ND		5.0	0.29	ug/L		12/26/18 06:34	12/29/18 02:23	1
Pentachlorophenol	ND		10	2.2	ug/L		12/26/18 06:34	12/29/18 02:23	1
Phenanthrene	ND		5.0	0.44	ug/L		12/26/18 06:34	12/29/18 02:23	1
Phenol	ND		5.0	0.39	ug/L		12/26/18 06:34	12/29/18 02:23	1
Pyrene	ND		5.0	0.34	ug/L		12/26/18 06:34	12/29/18 02:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	93		46 - 120	12/26/18 06:34	12/29/18 02:23	1
Phenol-d5 (Surr)	51		22 - 120	12/26/18 06:34	12/29/18 02:23	1
p-Terphenyl-d14 (Surr)	89		59 - 136	12/26/18 06:34	12/29/18 02:23	1
2,4,6-Tribromophenol (Surr)	91		41 - 120	12/26/18 06:34	12/29/18 02:23	1
2-Fluorobiphenyl	100		48 - 120	12/26/18 06:34	12/29/18 02:23	1
2-Fluorophenol (Surr)	71		35 - 120	12/26/18 06:34	12/29/18 02:23	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.50	0.29	ug/L		12/26/18 15:39	12/27/18 14:38	1
Endrin	ND		0.050	0.014	ug/L		12/26/18 15:39	12/27/18 14:38	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		12/26/18 15:39	12/27/18 14:38	1
Heptachlor	ND		0.050	0.0085	ug/L		12/26/18 15:39	12/27/18 14:38	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		12/26/18 15:39	12/27/18 14:38	1
Methoxychlor	ND		0.050	0.014	ug/L		12/26/18 15:39	12/27/18 14:38	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Flammable Tent DI

Lab Sample ID: 480-147238-7

Date Collected: 12/19/18 16:00

Matrix: Water

Date Received: 12/21/18 16:30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		0.50	0.12	ug/L		12/26/18 15:39	12/27/18 14:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	30		20 - 120				12/26/18 15:39	12/27/18 14:38	1
DCB Decachlorobiphenyl	27		20 - 120				12/26/18 15:39	12/27/18 14:38	1
Tetrachloro-m-xylene	61		44 - 120				12/26/18 15:39	12/27/18 14:38	1
Tetrachloro-m-xylene	53		44 - 120				12/26/18 15:39	12/27/18 14:38	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 19:23	1
PCB-1221	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 19:23	1
PCB-1232	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 19:23	1
PCB-1242	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 19:23	1
PCB-1248	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 19:23	1
PCB-1254	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 19:23	1
PCB-1260	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 19:23	1
PCB-1262	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 19:23	1
PCB-1268	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 19:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	79		39 - 121				12/28/18 15:00	12/30/18 19:23	1
Tetrachloro-m-xylene	62		39 - 121				12/28/18 15:00	12/30/18 19:23	1
DCB Decachlorobiphenyl	15	X	19 - 120				12/28/18 15:00	12/30/18 19:23	1
DCB Decachlorobiphenyl	27		19 - 120				12/28/18 15:00	12/30/18 19:23	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.48	0.048	ug/L		12/26/18 07:26	12/30/18 20:05	1
2,4-D	ND		0.48	0.16	ug/L		12/26/18 07:26	12/30/18 20:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	86		48 - 132				12/26/18 07:26	12/30/18 20:05	1
2,4-Dichlorophenylacetic acid	98		48 - 132				12/26/18 07:26	12/30/18 20:05	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.72	B	0.20	0.060	mg/L		12/27/18 08:23	12/28/18 12:19	1
Antimony	ND		0.020	0.0068	mg/L		12/27/18 08:23	12/28/18 12:19	1
Arsenic	ND		0.015	0.0056	mg/L		12/27/18 08:23	12/28/18 12:19	1
Barium	0.027		0.0020	0.00070	mg/L		12/27/18 08:23	12/28/18 12:19	1
Beryllium	ND		0.0020	0.00030	mg/L		12/27/18 08:23	12/28/18 12:19	1
Cadmium	ND		0.0020	0.00050	mg/L		12/27/18 08:23	12/28/18 12:19	1
Calcium	19.8	B	0.50	0.10	mg/L		12/27/18 08:23	12/28/18 12:19	1
Chromium	0.0019	J	0.0040	0.0010	mg/L		12/27/18 08:23	12/28/18 12:19	1
Cobalt	0.0011	J	0.0040	0.00063	mg/L		12/27/18 08:23	12/28/18 12:19	1
Copper	0.0093	J	0.010	0.0016	mg/L		12/27/18 08:23	12/28/18 12:19	1
Iron	6.3		0.050	0.019	mg/L		12/27/18 08:23	12/28/18 12:19	1
Lead	0.0058	J	0.010	0.0030	mg/L		12/27/18 08:23	12/28/18 12:19	1
Magnesium	1.8		0.20	0.043	mg/L		12/27/18 08:23	12/28/18 12:19	1
Manganese	0.30		0.0030	0.00040	mg/L		12/27/18 08:23	12/28/18 12:19	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Flammable Tent DI

Lab Sample ID: 480-147238-7

Date Collected: 12/19/18 16:00

Matrix: Water

Date Received: 12/21/18 16:30

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.0046	J	0.010	0.0013	mg/L		12/27/18 08:23	12/28/18 12:19	1
Potassium	1.6		0.50	0.10	mg/L		12/27/18 08:23	12/28/18 12:19	1
Selenium	ND		0.025	0.0087	mg/L		12/27/18 08:23	12/28/18 12:19	1
Silver	ND		0.0060	0.0017	mg/L		12/27/18 08:23	12/28/18 12:19	1
Sodium	2.4		1.0	0.32	mg/L		12/27/18 08:23	12/28/18 12:19	1
Thallium	ND		0.020	0.010	mg/L		12/27/18 08:23	12/28/18 12:19	1
Vanadium	0.0022	J	0.0050	0.0015	mg/L		12/27/18 08:23	12/28/18 12:19	1
Zinc	0.16		0.010	0.0015	mg/L		12/27/18 08:23	12/28/18 12:19	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/26/18 11:20	12/26/18 14:34	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: DUP

Date Collected: 12/19/18 00:00

Date Received: 12/21/18 16:30

Lab Sample ID: 480-147238-8

Matrix: Water

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.50	0.058	ug/L			12/28/18 20:32	10
1,2-Dichloroethane	ND		0.50	0.050	ug/L			12/28/18 20:32	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130					12/28/18 20:32	10
4-Bromofluorobenzene (Surr)	101		70 - 130					12/28/18 20:32	10
Dibromofluoromethane (Surr)	103		70 - 130					12/28/18 20:32	10
Toluene-d8 (Surr)	94		70 - 130					12/28/18 20:32	10

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			12/27/18 05:18	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/27/18 05:18	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			12/27/18 05:18	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/27/18 05:18	10
1,1-Dichloroethane	ND		10	3.8	ug/L			12/27/18 05:18	10
1,1-Dichloroethene	ND		10	2.9	ug/L			12/27/18 05:18	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			12/27/18 05:18	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			12/27/18 05:18	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			12/27/18 05:18	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/27/18 05:18	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/27/18 05:18	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			12/27/18 05:18	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			12/27/18 05:18	10
2-Butanone (MEK)	ND		100	13	ug/L			12/27/18 05:18	10
2-Hexanone	ND		50	12	ug/L			12/27/18 05:18	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			12/27/18 05:18	10
Acetone	ND		100	30	ug/L			12/27/18 05:18	10
Benzene	ND		10	4.1	ug/L			12/27/18 05:18	10
Bromodichloromethane	ND		10	3.9	ug/L			12/27/18 05:18	10
Bromoform	ND		10	2.6	ug/L			12/27/18 05:18	10
Bromomethane	ND		10	6.9	ug/L			12/27/18 05:18	10
Carbon disulfide	ND		10	1.9	ug/L			12/27/18 05:18	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/27/18 05:18	10
Chlorobenzene	ND		10	7.5	ug/L			12/27/18 05:18	10
Chloroethane	ND		10	3.2	ug/L			12/27/18 05:18	10
Chloroform	ND		10	3.4	ug/L			12/27/18 05:18	10
Chloromethane	ND		10	3.5	ug/L			12/27/18 05:18	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			12/27/18 05:18	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/27/18 05:18	10
Cyclohexane	ND		10	1.8	ug/L			12/27/18 05:18	10
Dibromochloromethane	ND		10	3.2	ug/L			12/27/18 05:18	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			12/27/18 05:18	10
Ethylbenzene	ND		10	7.4	ug/L			12/27/18 05:18	10
Ethylene Dibromide	ND		10	7.3	ug/L			12/27/18 05:18	10
Isopropylbenzene	ND		10	7.9	ug/L			12/27/18 05:18	10
Methyl acetate	ND		25	13	ug/L			12/27/18 05:18	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			12/27/18 05:18	10
Methylcyclohexane	ND		10	1.6	ug/L			12/27/18 05:18	10
Methylene Chloride	ND		10	4.4	ug/L			12/27/18 05:18	10

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: DUP

Date Collected: 12/19/18 00:00

Date Received: 12/21/18 16:30

Lab Sample ID: 480-147238-8

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		10	7.3	ug/L			12/27/18 05:18	10
Tetrachloroethene	ND		10	3.6	ug/L			12/27/18 05:18	10
Toluene	ND		10	5.1	ug/L			12/27/18 05:18	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			12/27/18 05:18	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/27/18 05:18	10
Trichloroethene	ND		10	4.6	ug/L			12/27/18 05:18	10
Trichlorofluoromethane	ND		10	8.8	ug/L			12/27/18 05:18	10
Vinyl chloride	ND		10	9.0	ug/L			12/27/18 05:18	10
Xylenes, Total	ND		20	6.6	ug/L			12/27/18 05:18	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		77 - 120		12/27/18 05:18	10
4-Bromofluorobenzene (Surr)	109		73 - 120		12/27/18 05:18	10
Dibromofluoromethane (Surr)	89		75 - 123		12/27/18 05:18	10
Toluene-d8 (Surr)	93		80 - 120		12/27/18 05:18	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		12/26/18 06:34	01/04/19 04:00	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		12/26/18 06:34	01/04/19 04:00	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		12/26/18 06:34	01/04/19 04:00	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		12/26/18 06:34	01/04/19 04:00	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		12/26/18 06:34	01/04/19 04:00	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		12/26/18 06:34	01/04/19 04:00	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		12/26/18 06:34	01/04/19 04:00	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		12/26/18 06:34	01/04/19 04:00	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		12/26/18 06:34	01/04/19 04:00	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		12/26/18 06:34	01/04/19 04:00	1
2-Chlorophenol	ND		5.0	0.53	ug/L		12/26/18 06:34	01/04/19 04:00	1
2-Methylphenol	ND		5.0	0.40	ug/L		12/26/18 06:34	01/04/19 04:00	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		12/26/18 06:34	01/04/19 04:00	1
2-Nitroaniline	ND		10	0.42	ug/L		12/26/18 06:34	01/04/19 04:00	1
2-Nitrophenol	ND		5.0	0.48	ug/L		12/26/18 06:34	01/04/19 04:00	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		12/26/18 06:34	01/04/19 04:00	1
3-Nitroaniline	ND		10	0.48	ug/L		12/26/18 06:34	01/04/19 04:00	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		12/26/18 06:34	01/04/19 04:00	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		12/26/18 06:34	01/04/19 04:00	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		12/26/18 06:34	01/04/19 04:00	1
4-Chloroaniline	ND		5.0	0.59	ug/L		12/26/18 06:34	01/04/19 04:00	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		12/26/18 06:34	01/04/19 04:00	1
4-Methylphenol	ND		10	0.36	ug/L		12/26/18 06:34	01/04/19 04:00	1
4-Nitroaniline	ND		10	0.25	ug/L		12/26/18 06:34	01/04/19 04:00	1
4-Nitrophenol	ND		10	1.5	ug/L		12/26/18 06:34	01/04/19 04:00	1
Acenaphthene	ND		5.0	0.41	ug/L		12/26/18 06:34	01/04/19 04:00	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/26/18 06:34	01/04/19 04:00	1
Acetophenone	ND		5.0	0.54	ug/L		12/26/18 06:34	01/04/19 04:00	1
Anthracene	ND		5.0	0.28	ug/L		12/26/18 06:34	01/04/19 04:00	1
Atrazine	ND *		5.0	0.46	ug/L		12/26/18 06:34	01/04/19 04:00	1
Benzaldehyde	ND		5.0	0.27	ug/L		12/26/18 06:34	01/04/19 04:00	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/26/18 06:34	01/04/19 04:00	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: DUP

Date Collected: 12/19/18 00:00

Date Received: 12/21/18 16:30

Lab Sample ID: 480-147238-8

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/26/18 06:34	01/04/19 04:00	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/26/18 06:34	01/04/19 04:00	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/26/18 06:34	01/04/19 04:00	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/26/18 06:34	01/04/19 04:00	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		12/26/18 06:34	01/04/19 04:00	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		12/26/18 06:34	01/04/19 04:00	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		12/26/18 06:34	01/04/19 04:00	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		12/26/18 06:34	01/04/19 04:00	1
Caprolactam	ND		5.0	2.2	ug/L		12/26/18 06:34	01/04/19 04:00	1
Carbazole	ND		5.0	0.30	ug/L		12/26/18 06:34	01/04/19 04:00	1
Chrysene	ND		5.0	0.33	ug/L		12/26/18 06:34	01/04/19 04:00	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/26/18 06:34	01/04/19 04:00	1
Di-n-butyl phthalate	0.42	J	5.0	0.31	ug/L		12/26/18 06:34	01/04/19 04:00	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		12/26/18 06:34	01/04/19 04:00	1
Dibenzofuran	ND		10	0.51	ug/L		12/26/18 06:34	01/04/19 04:00	1
Diethyl phthalate	ND		5.0	0.22	ug/L		12/26/18 06:34	01/04/19 04:00	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		12/26/18 06:34	01/04/19 04:00	1
Fluoranthene	ND		5.0	0.40	ug/L		12/26/18 06:34	01/04/19 04:00	1
Fluorene	ND		5.0	0.36	ug/L		12/26/18 06:34	01/04/19 04:00	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		12/26/18 06:34	01/04/19 04:00	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		12/26/18 06:34	01/04/19 04:00	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		12/26/18 06:34	01/04/19 04:00	1
Hexachloroethane	ND		5.0	0.59	ug/L		12/26/18 06:34	01/04/19 04:00	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/26/18 06:34	01/04/19 04:00	1
Isophorone	ND		5.0	0.43	ug/L		12/26/18 06:34	01/04/19 04:00	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		12/26/18 06:34	01/04/19 04:00	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		12/26/18 06:34	01/04/19 04:00	1
Naphthalene	ND		5.0	0.76	ug/L		12/26/18 06:34	01/04/19 04:00	1
Nitrobenzene	ND		5.0	0.29	ug/L		12/26/18 06:34	01/04/19 04:00	1
Pentachlorophenol	ND		10	2.2	ug/L		12/26/18 06:34	01/04/19 04:00	1
Phenanthrene	ND		5.0	0.44	ug/L		12/26/18 06:34	01/04/19 04:00	1
Phenol	ND		5.0	0.39	ug/L		12/26/18 06:34	01/04/19 04:00	1
Pyrene	ND		5.0	0.34	ug/L		12/26/18 06:34	01/04/19 04:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	117		46 - 120	12/26/18 06:34	01/04/19 04:00	1
Phenol-d5 (Surr)	67		22 - 120	12/26/18 06:34	01/04/19 04:00	1
p-Terphenyl-d14 (Surr)	73		59 - 136	12/26/18 06:34	01/04/19 04:00	1
2,4,6-Tribromophenol (Surr)	125	X	41 - 120	12/26/18 06:34	01/04/19 04:00	1
2-Fluorobiphenyl	109		48 - 120	12/26/18 06:34	01/04/19 04:00	1
2-Fluorophenol (Surr)	87		35 - 120	12/26/18 06:34	01/04/19 04:00	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.50	0.29	ug/L		12/26/18 15:39	12/27/18 14:57	1
Endrin	ND		0.050	0.014	ug/L		12/26/18 15:39	12/27/18 14:57	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		12/26/18 15:39	12/27/18 14:57	1
Heptachlor	ND		0.050	0.0085	ug/L		12/26/18 15:39	12/27/18 14:57	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		12/26/18 15:39	12/27/18 14:57	1
Methoxychlor	ND		0.050	0.014	ug/L		12/26/18 15:39	12/27/18 14:57	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: DUP

Date Collected: 12/19/18 00:00

Date Received: 12/21/18 16:30

Lab Sample ID: 480-147238-8

Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		0.50	0.12	ug/L		12/26/18 15:39	12/27/18 14:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	64		20 - 120				12/26/18 15:39	12/27/18 14:57	1
DCB Decachlorobiphenyl	66		20 - 120				12/26/18 15:39	12/27/18 14:57	1
Tetrachloro-m-xylene	92		44 - 120				12/26/18 15:39	12/27/18 14:57	1
Tetrachloro-m-xylene	73		44 - 120				12/26/18 15:39	12/27/18 14:57	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 19:39	1
PCB-1221	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 19:39	1
PCB-1232	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 19:39	1
PCB-1242	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 19:39	1
PCB-1248	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 19:39	1
PCB-1254	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 19:39	1
PCB-1260	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 19:39	1
PCB-1262	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 19:39	1
PCB-1268	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 19:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	63		39 - 121				12/28/18 15:00	12/30/18 19:39	1
Tetrachloro-m-xylene	65		39 - 121				12/28/18 15:00	12/30/18 19:39	1
DCB Decachlorobiphenyl	32		19 - 120				12/28/18 15:00	12/30/18 19:39	1
DCB Decachlorobiphenyl	46		19 - 120				12/28/18 15:00	12/30/18 19:39	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.48	0.048	ug/L		12/26/18 07:26	12/30/18 20:35	1
2,4-D	ND		0.48	0.16	ug/L		12/26/18 07:26	12/30/18 20:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	10	X	48 - 132				12/26/18 07:26	12/30/18 20:35	1
2,4-Dichlorophenylacetic acid	18	X	48 - 132				12/26/18 07:26	12/30/18 20:35	1

Method: 8151A - Herbicides (GC) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND	H	0.48	0.048	ug/L		01/03/19 09:23	01/16/19 10:20	1
2,4-D	ND	H	0.48	0.16	ug/L		01/03/19 09:23	01/16/19 10:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	47	X	48 - 132				01/03/19 09:23	01/16/19 10:20	1
2,4-Dichlorophenylacetic acid	41	X	48 - 132				01/03/19 09:23	01/16/19 10:20	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.17	J B	0.20	0.060	mg/L		12/27/18 08:23	12/28/18 12:22	1
Antimony	ND		0.020	0.0068	mg/L		12/27/18 08:23	12/28/18 12:22	1
Arsenic	ND		0.015	0.0056	mg/L		12/27/18 08:23	12/28/18 12:22	1
Barium	0.027		0.0020	0.00070	mg/L		12/27/18 08:23	12/28/18 12:22	1
Beryllium	ND		0.0020	0.00030	mg/L		12/27/18 08:23	12/28/18 12:22	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: DUP

Date Collected: 12/19/18 00:00

Date Received: 12/21/18 16:30

Lab Sample ID: 480-147238-8

Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		12/27/18 08:23	12/28/18 12:22	1
Calcium	65.3	B	0.50	0.10	mg/L		12/27/18 08:23	12/28/18 12:22	1
Chromium	ND		0.0040	0.0010	mg/L		12/27/18 08:23	12/28/18 12:22	1
Cobalt	ND		0.0040	0.00063	mg/L		12/27/18 08:23	12/28/18 12:22	1
Copper	0.0059	J	0.010	0.0016	mg/L		12/27/18 08:23	12/28/18 12:22	1
Iron	0.11		0.050	0.019	mg/L		12/27/18 08:23	12/28/18 12:22	1
Lead	ND		0.010	0.0030	mg/L		12/27/18 08:23	12/28/18 12:22	1
Magnesium	15.4		0.20	0.043	mg/L		12/27/18 08:23	12/28/18 12:22	1
Manganese	0.0042		0.0030	0.00040	mg/L		12/27/18 08:23	12/28/18 12:22	1
Nickel	0.0030	J	0.010	0.0013	mg/L		12/27/18 08:23	12/28/18 12:22	1
Potassium	33.4		0.50	0.10	mg/L		12/27/18 08:23	12/28/18 12:22	1
Selenium	ND		0.025	0.0087	mg/L		12/27/18 08:23	12/28/18 12:22	1
Silver	ND		0.0060	0.0017	mg/L		12/27/18 08:23	12/28/18 12:22	1
Sodium	23.8		1.0	0.32	mg/L		12/27/18 08:23	12/28/18 12:22	1
Thallium	ND		0.020	0.010	mg/L		12/27/18 08:23	12/28/18 12:22	1
Vanadium	0.0020	J	0.0050	0.0015	mg/L		12/27/18 08:23	12/28/18 12:22	1
Zinc	0.0064	J	0.010	0.0015	mg/L		12/27/18 08:23	12/28/18 12:22	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/26/18 11:20	12/26/18 14:38	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Trip Blank

Date Collected: 12/19/18 00:00

Date Received: 12/21/18 16:30

Lab Sample ID: 480-147238-9

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/27/18 12:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/27/18 12:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/27/18 12:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/27/18 12:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/27/18 12:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/27/18 12:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/27/18 12:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/27/18 12:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/27/18 12:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/27/18 12:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/27/18 12:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/27/18 12:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/27/18 12:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/27/18 12:31	1
2-Hexanone	ND		5.0	1.2	ug/L			12/27/18 12:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/27/18 12:31	1
Acetone	ND		10	3.0	ug/L			12/27/18 12:31	1
Benzene	ND		1.0	0.41	ug/L			12/27/18 12:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/27/18 12:31	1
Bromoform	ND		1.0	0.26	ug/L			12/27/18 12:31	1
Bromomethane	ND		1.0	0.69	ug/L			12/27/18 12:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/27/18 12:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/27/18 12:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/27/18 12:31	1
Chloroethane	ND		1.0	0.32	ug/L			12/27/18 12:31	1
Chloroform	ND		1.0	0.34	ug/L			12/27/18 12:31	1
Chloromethane	ND		1.0	0.35	ug/L			12/27/18 12:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/27/18 12:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/27/18 12:31	1
Cyclohexane	ND		1.0	0.18	ug/L			12/27/18 12:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/27/18 12:31	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/27/18 12:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/27/18 12:31	1
Ethylene Dibromide	ND		1.0	0.73	ug/L			12/27/18 12:31	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/27/18 12:31	1
Methyl acetate	ND		2.5	1.3	ug/L			12/27/18 12:31	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/27/18 12:31	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/27/18 12:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/27/18 12:31	1
Styrene	ND		1.0	0.73	ug/L			12/27/18 12:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/27/18 12:31	1
Toluene	ND		1.0	0.51	ug/L			12/27/18 12:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/27/18 12:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/27/18 12:31	1
Trichloroethene	ND		1.0	0.46	ug/L			12/27/18 12:31	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/27/18 12:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/27/18 12:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/27/18 12:31	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Trip Blank

Date Collected: 12/19/18 00:00

Date Received: 12/21/18 16:30

Lab Sample ID: 480-147238-9

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		12/27/18 12:31	1
4-Bromofluorobenzene (Surr)	106		73 - 120		12/27/18 12:31	1
Dibromofluoromethane (Surr)	97		75 - 123		12/27/18 12:31	1
Toluene-d8 (Surr)	101		80 - 120		12/27/18 12:31	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-130)	BFB (70-130)	DBFM (70-130)	TOL (70-130)
480-147238-1	MH-15	100	101	101	95
480-147238-2	NW Main Building Vault	101	102	102	94
480-147238-3	Middle Room Double Door Vault	101	103	103	95
480-147238-4	Far Back Room Vault	101	102	103	94
480-147238-4 MS	Far Back Room Vault	97	101	101	95
480-147238-4 MSD	Far Back Room Vault	96	101	101	95
480-147238-5	Low Room Vault 3	101	103	103	95
480-147238-6	Drain Room DI	101	103	103	95
480-147238-7	Flammable Tent DI	99	102	99	94
480-147238-8	DUP	101	101	103	94
LCS 490-566724/4	Lab Control Sample	97	102	103	95
LCSD 490-566724/5	Lab Control Sample Dup	100	104	104	95
MB 490-566724/8	Method Blank	102	101	103	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
480-147238-1	MH-15	83	113	87	93
480-147238-2	NW Main Building Vault	83	110	86	92
480-147238-3	Middle Room Double Door Vault	81	111	85	92
480-147238-4	Far Back Room Vault	82	112	86	93
480-147238-5	Low Room Vault 3	80	112	86	92
480-147238-6	Drain Room DI	82	110	85	92
480-147238-7	Flammable Tent DI	80	112	85	95
480-147238-8	DUP	80	109	89	93
480-147238-9	Trip Blank	95	106	97	101
LCS 480-452574/5	Lab Control Sample	81	109	88	94
LCS 480-452614/5	Lab Control Sample	94	105	96	100
MB 480-452574/7	Method Blank	83	114	86	96
MB 480-452614/7	Method Blank	93	106	99	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

TestAmerica Buffalo

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (46-120)	PHL (22-120)	TPHd14 (59-136)	TBP (41-120)	FBP (48-120)	2FP (35-120)
480-147238-1	MH-15	61	33	59	68	72	40
480-147238-2	NW Main Building Vault	72	38	46 X	88	83	54
480-147238-3	Middle Room Double Door Vault	92	48	71	93	96	69
480-147238-4	Far Back Room Vault	70	36	63	74	75	50
480-147238-5	Low Room Vault 3	78	39	58 X	76	79	53
480-147238-6	Drain Room DI	77	38	87	66	81	54
480-147238-7	Flammable Tent DI	93	51	89	91	100	71
480-147238-8	DUP	117	67	73	125 X	109	87
LCS 480-452418/2-A	Lab Control Sample	89	53	99	90	92	67
MB 480-452418/1-A	Method Blank	99	51	109	66	97	68

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (20-120)	DCBP2 (20-120)	TCX1 (44-120)	TCX2 (44-120)
480-147238-1	MH-15	44	48	58	45
480-147238-2	NW Main Building Vault	351 X	27	49	31 X
480-147238-3	Middle Room Double Door Vault	71	57	87	64
480-147238-4	Far Back Room Vault	77	68	92	68
480-147238-5	Low Room Vault 3	44	55	65	44
480-147238-6	Drain Room DI	60	56	303 X	76
480-147238-7	Flammable Tent DI	30	27	61	53
480-147238-8	DUP	64	66	92	73
LCS 480-452554/2-A	Lab Control Sample	46	43	64	49
LCSD 480-452554/3-A	Lab Control Sample Dup	48	49	68	48
MB 480-452554/1-A	Method Blank	55	54	81	57

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (39-121)	TCX2 (39-121)	DCBP1 (19-120)	DCBP2 (19-120)
480-147238-1	MH-15	59	62	29	44
480-147238-2	NW Main Building Vault	87	73	30	45
480-147238-3	Middle Room Double Door Vault	65	65	27	41

TestAmerica Buffalo

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (39-121)	TCX2 (39-121)	DCBP1 (19-120)	DCBP2 (19-120)
480-147238-4	Far Back Room Vault	64	69	35	51
480-147238-5	Low Room Vault 3	64	51	18 X	31
480-147238-6	Drain Room DI	169 X	64	15 X	27
480-147238-7	Flammable Tent DI	79	62	15 X	27
480-147238-8	DUP	63	65	32	46
LCS 480-452962/2-A	Lab Control Sample	78	66	38	52
LCSD 480-452962/3-A	Lab Control Sample Dup	64	64	30	43
MB 480-452962/1-A	Method Blank	71	68	43	59

Surrogate Legend
TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1 (48-132)	DCPAA2 (48-132)
480-147238-1	MH-15	10 X	13 X
480-147238-1 - RE	MH-15	56	60
480-147238-2	NW Main Building Vault	10 X	14 X
480-147238-2 - RE	NW Main Building Vault	25 X	23 X
480-147238-3	Middle Room Double Door Vault	21 X	11 X
480-147238-3 - RE	Middle Room Double Door Vault	58	63
480-147238-4	Far Back Room Vault	57	38 X
480-147238-4 - RE	Far Back Room Vault	34 X	42 X
480-147238-5	Low Room Vault 3	41 X	38 X
480-147238-5 - RE	Low Room Vault 3	44 X	44 X
480-147238-6	Drain Room DI	40 X	45 X
480-147238-6 - RE	Drain Room DI	53	58
480-147238-7	Flammable Tent DI	86	98
480-147238-8	DUP	10 X	18 X
480-147238-8 - RE	DUP	47 X	41 X
LCS 480-452421/2-A	Lab Control Sample	46 X	51
LCS 480-453511/2-A	Lab Control Sample	70	49
LCSD 480-452421/3-A	Lab Control Sample Dup	53	54
LCSD 480-453511/3-A	Lab Control Sample Dup	66	73
MB 480-452421/1-A	Method Blank	51	58
MB 480-453511/1-A	Method Blank	64	78

Surrogate Legend
DCPAA = 2,4-Dichlorophenylacetic acid

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-566724/8

Matrix: Water

Analysis Batch: 566724

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.050	0.0058	ug/L			12/28/18 16:06	1
1,2-Dichloroethane	ND		0.050	0.0050	ug/L			12/28/18 16:06	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130					12/28/18 16:06	1
4-Bromofluorobenzene (Surr)	101		70 - 130					12/28/18 16:06	1
Dibromofluoromethane (Surr)	103		70 - 130					12/28/18 16:06	1
Toluene-d8 (Surr)	95		70 - 130					12/28/18 16:06	1

Lab Sample ID: LCS 490-566724/4

Matrix: Water

Analysis Batch: 566724

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	1.00	0.973		ug/L		97	70 - 130
1,2-Dichloroethane	1.00	0.993		ug/L		99	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	97		70 - 130				
4-Bromofluorobenzene (Surr)	102		70 - 130				
Dibromofluoromethane (Surr)	103		70 - 130				
Toluene-d8 (Surr)	95		70 - 130				

Lab Sample ID: LCSD 490-566724/5

Matrix: Water

Analysis Batch: 566724

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane	1.00	0.965		ug/L		96	70 - 130	1	13
1,2-Dichloroethane	1.00	1.01		ug/L		101	70 - 130	2	13
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	100		70 - 130						
4-Bromofluorobenzene (Surr)	104		70 - 130						
Dibromofluoromethane (Surr)	104		70 - 130						
Toluene-d8 (Surr)	95		70 - 130						

Lab Sample ID: 480-147238-4 MS

Matrix: Water

Analysis Batch: 566724

Client Sample ID: Far Back Room Vault

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	ND		10.0	8.99		ug/L		90	60 - 140
1,2-Dichloroethane	ND		10.0	10.0		ug/L		100	60 - 140
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	97		70 - 130						

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Method: 8260B SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-147238-4 MS

Matrix: Water

Analysis Batch: 566724

Client Sample ID: Far Back Room Vault

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
Toluene-d8 (Surr)	95		70 - 130

Lab Sample ID: 480-147238-4 MSD

Matrix: Water

Analysis Batch: 566724

Client Sample ID: Far Back Room Vault

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane	ND		10.0	9.26		ug/L		93	60 - 140	3	21
1,2-Dichloroethane	ND		10.0	10.3		ug/L		103	60 - 140	3	22
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	96		70 - 130								
4-Bromofluorobenzene (Surr)	101		70 - 130								
Dibromofluoromethane (Surr)	101		70 - 130								
Toluene-d8 (Surr)	95		70 - 130								

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-452574/7

Matrix: Water

Analysis Batch: 452574

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/26/18 21:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/26/18 21:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/26/18 21:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/26/18 21:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/26/18 21:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/26/18 21:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/18 21:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/26/18 21:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/26/18 21:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/26/18 21:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/26/18 21:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/26/18 21:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/26/18 21:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/26/18 21:55	1
2-Hexanone	ND		5.0	1.2	ug/L			12/26/18 21:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/26/18 21:55	1
Acetone	ND		10	3.0	ug/L			12/26/18 21:55	1
Benzene	ND		1.0	0.41	ug/L			12/26/18 21:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/26/18 21:55	1
Bromoform	ND		1.0	0.26	ug/L			12/26/18 21:55	1
Bromomethane	ND		1.0	0.69	ug/L			12/26/18 21:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/26/18 21:55	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-452574/7

Matrix: Water

Analysis Batch: 452574

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/26/18 21:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/26/18 21:55	1
Chloroethane	ND		1.0	0.32	ug/L			12/26/18 21:55	1
Chloroform	ND		1.0	0.34	ug/L			12/26/18 21:55	1
Chloromethane	ND		1.0	0.35	ug/L			12/26/18 21:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/26/18 21:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/26/18 21:55	1
Cyclohexane	ND		1.0	0.18	ug/L			12/26/18 21:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/26/18 21:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/26/18 21:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/26/18 21:55	1
Ethylene Dibromide	ND		1.0	0.73	ug/L			12/26/18 21:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/26/18 21:55	1
Methyl acetate	ND		2.5	1.3	ug/L			12/26/18 21:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/26/18 21:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/26/18 21:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/26/18 21:55	1
Styrene	ND		1.0	0.73	ug/L			12/26/18 21:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/26/18 21:55	1
Toluene	ND		1.0	0.51	ug/L			12/26/18 21:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/26/18 21:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/26/18 21:55	1
Trichloroethene	ND		1.0	0.46	ug/L			12/26/18 21:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/26/18 21:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/26/18 21:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/26/18 21:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		77 - 120		12/26/18 21:55	1
4-Bromofluorobenzene (Surr)	114		73 - 120		12/26/18 21:55	1
Dibromofluoromethane (Surr)	86		75 - 123		12/26/18 21:55	1
Toluene-d8 (Surr)	96		80 - 120		12/26/18 21:55	1

Lab Sample ID: LCS 480-452574/5

Matrix: Water

Analysis Batch: 452574

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	22.4		ug/L		90	73 - 126
1,1,1,2-Tetrachloroethane	25.0	25.1		ug/L		100	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.7		ug/L		95	61 - 148
1,1,2-Trichloroethane	25.0	24.1		ug/L		96	76 - 122
1,1-Dichloroethane	25.0	24.1		ug/L		96	77 - 120
1,1-Dichloroethene	25.0	21.3		ug/L		85	66 - 127
1,2,4-Trichlorobenzene	25.0	24.7		ug/L		99	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	21.7		ug/L		87	56 - 134
1,2-Dichlorobenzene	25.0	25.1		ug/L		100	80 - 124

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-452574/5

Matrix: Water

Analysis Batch: 452574

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	25.0	22.2		ug/L		89	75 - 120
1,2-Dichloropropane	25.0	25.5		ug/L		102	76 - 120
1,3-Dichlorobenzene	25.0	25.4		ug/L		102	77 - 120
1,4-Dichlorobenzene	25.0	25.2		ug/L		101	80 - 120
2-Butanone (MEK)	125	134		ug/L		107	57 - 140
2-Hexanone	125	124		ug/L		100	65 - 127
4-Methyl-2-pentanone (MIBK)	125	117		ug/L		94	71 - 125
Acetone	125	131		ug/L		105	56 - 142
Benzene	25.0	25.1		ug/L		100	71 - 124
Bromodichloromethane	25.0	25.0		ug/L		100	80 - 122
Bromoform	25.0	25.8		ug/L		103	61 - 132
Bromomethane	25.0	20.7		ug/L		83	55 - 144
Carbon disulfide	25.0	23.6		ug/L		95	59 - 134
Carbon tetrachloride	25.0	22.1		ug/L		88	72 - 134
Chlorobenzene	25.0	24.0		ug/L		96	80 - 120
Chloroethane	25.0	22.5		ug/L		90	69 - 136
Chloroform	25.0	23.3		ug/L		93	73 - 127
Chloromethane	25.0	21.3		ug/L		85	68 - 124
cis-1,2-Dichloroethene	25.0	25.1		ug/L		101	74 - 124
cis-1,3-Dichloropropene	25.0	24.7		ug/L		99	74 - 124
Cyclohexane	25.0	23.6		ug/L		94	59 - 135
Dibromochloromethane	25.0	26.3		ug/L		105	75 - 125
Dichlorodifluoromethane	25.0	20.3		ug/L		81	59 - 135
Ethylbenzene	25.0	24.5		ug/L		98	77 - 123
Ethylene Dibromide	25.0	24.5		ug/L		98	77 - 120
Isopropylbenzene	25.0	24.4		ug/L		98	77 - 122
Methyl acetate	50.0	50.2		ug/L		100	74 - 133
Methyl tert-butyl ether	25.0	24.0		ug/L		96	77 - 120
Methylcyclohexane	25.0	22.9		ug/L		92	68 - 134
Methylene Chloride	25.0	25.7		ug/L		103	75 - 124
Styrene	25.0	24.2		ug/L		97	80 - 120
Tetrachloroethene	25.0	24.6		ug/L		98	74 - 122
Toluene	25.0	24.3		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	24.5		ug/L		98	73 - 127
trans-1,3-Dichloropropene	25.0	25.4		ug/L		102	80 - 120
Trichloroethene	25.0	23.6		ug/L		95	74 - 123
Trichlorofluoromethane	25.0	25.7		ug/L		103	62 - 150
Vinyl chloride	25.0	23.4		ug/L		94	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	81		77 - 120
4-Bromofluorobenzene (Surr)	109		73 - 120
Dibromofluoromethane (Surr)	88		75 - 123
Toluene-d8 (Surr)	94		80 - 120

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-452614/7

Matrix: Water

Analysis Batch: 452614

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/27/18 09:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/27/18 09:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/27/18 09:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/27/18 09:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/27/18 09:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/27/18 09:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/27/18 09:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/27/18 09:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/27/18 09:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/27/18 09:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/27/18 09:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/27/18 09:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/27/18 09:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/27/18 09:39	1
2-Hexanone	ND		5.0	1.2	ug/L			12/27/18 09:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/27/18 09:39	1
Acetone	ND		10	3.0	ug/L			12/27/18 09:39	1
Benzene	ND		1.0	0.41	ug/L			12/27/18 09:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/27/18 09:39	1
Bromoform	ND		1.0	0.26	ug/L			12/27/18 09:39	1
Bromomethane	ND		1.0	0.69	ug/L			12/27/18 09:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/27/18 09:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/27/18 09:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/27/18 09:39	1
Chloroethane	ND		1.0	0.32	ug/L			12/27/18 09:39	1
Chloroform	ND		1.0	0.34	ug/L			12/27/18 09:39	1
Chloromethane	ND		1.0	0.35	ug/L			12/27/18 09:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/27/18 09:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/27/18 09:39	1
Cyclohexane	ND		1.0	0.18	ug/L			12/27/18 09:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/27/18 09:39	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/27/18 09:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/27/18 09:39	1
Ethylene Dibromide	ND		1.0	0.73	ug/L			12/27/18 09:39	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/27/18 09:39	1
Methyl acetate	ND		2.5	1.3	ug/L			12/27/18 09:39	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/27/18 09:39	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/27/18 09:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/27/18 09:39	1
Styrene	ND		1.0	0.73	ug/L			12/27/18 09:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/27/18 09:39	1
Toluene	ND		1.0	0.51	ug/L			12/27/18 09:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/27/18 09:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/27/18 09:39	1
Trichloroethene	ND		1.0	0.46	ug/L			12/27/18 09:39	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/27/18 09:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/27/18 09:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/27/18 09:39	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		77 - 120		12/27/18 09:39	1
4-Bromofluorobenzene (Surr)	106		73 - 120		12/27/18 09:39	1
Dibromofluoromethane (Surr)	99		75 - 123		12/27/18 09:39	1
Toluene-d8 (Surr)	99		80 - 120		12/27/18 09:39	1

Lab Sample ID: LCS 480-452614/5

Matrix: Water

Analysis Batch: 452614

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	21.7		ug/L		87	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.2		ug/L		93	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.0		ug/L		92	61 - 148
1,1,2-Trichloroethane	25.0	23.7		ug/L		95	76 - 122
1,1-Dichloroethane	25.0	23.1		ug/L		92	77 - 120
1,1-Dichloroethene	25.0	21.9		ug/L		87	66 - 127
1,2,4-Trichlorobenzene	25.0	23.7		ug/L		95	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	20.7		ug/L		83	56 - 134
1,2-Dichlorobenzene	25.0	23.9		ug/L		96	80 - 124
1,2-Dichloroethane	25.0	21.4		ug/L		85	75 - 120
1,2-Dichloropropane	25.0	24.8		ug/L		99	76 - 120
1,3-Dichlorobenzene	25.0	24.2		ug/L		97	77 - 120
1,4-Dichlorobenzene	25.0	24.4		ug/L		97	80 - 120
2-Butanone (MEK)	125	120		ug/L		96	57 - 140
2-Hexanone	125	117		ug/L		93	65 - 127
4-Methyl-2-pentanone (MIBK)	125	109		ug/L		87	71 - 125
Acetone	125	117		ug/L		94	56 - 142
Benzene	25.0	23.9		ug/L		96	71 - 124
Bromodichloromethane	25.0	24.4		ug/L		97	80 - 122
Bromoform	25.0	24.2		ug/L		97	61 - 132
Bromomethane	25.0	21.1		ug/L		84	55 - 144
Carbon disulfide	25.0	22.2		ug/L		89	59 - 134
Carbon tetrachloride	25.0	20.7		ug/L		83	72 - 134
Chlorobenzene	25.0	23.7		ug/L		95	80 - 120
Chloroethane	25.0	21.8		ug/L		87	69 - 136
Chloroform	25.0	22.5		ug/L		90	73 - 127
Chloromethane	25.0	20.8		ug/L		83	68 - 124
cis-1,2-Dichloroethene	25.0	23.8		ug/L		95	74 - 124
cis-1,3-Dichloropropene	25.0	23.9		ug/L		96	74 - 124
Cyclohexane	25.0	21.4		ug/L		85	59 - 135
Dibromochloromethane	25.0	24.9		ug/L		100	75 - 125
Dichlorodifluoromethane	25.0	17.5		ug/L		70	59 - 135
Ethylbenzene	25.0	24.0		ug/L		96	77 - 123
Ethylene Dibromide	25.0	24.3		ug/L		97	77 - 120
Isopropylbenzene	25.0	22.7		ug/L		91	77 - 122
Methyl acetate	50.0	45.2		ug/L		90	74 - 133
Methyl tert-butyl ether	25.0	23.2		ug/L		93	77 - 120
Methylcyclohexane	25.0	21.6		ug/L		86	68 - 134
Methylene Chloride	25.0	24.5		ug/L		98	75 - 124
Styrene	25.0	23.1		ug/L		93	80 - 120
Tetrachloroethene	25.0	23.5		ug/L		94	74 - 122
Toluene	25.0	23.2		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	23.4		ug/L		94	73 - 127

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-452614/5

Matrix: Water

Analysis Batch: 452614

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	25.0	24.1		ug/L		96	80 - 120
Trichloroethene	25.0	22.6		ug/L		90	74 - 123
Trichlorofluoromethane	25.0	23.5		ug/L		94	62 - 150
Vinyl chloride	25.0	21.7		ug/L		87	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		77 - 120
4-Bromofluorobenzene (Surr)	105		73 - 120
Dibromofluoromethane (Surr)	96		75 - 123
Toluene-d8 (Surr)	100		80 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-452418/1-A

Matrix: Water

Analysis Batch: 452936

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 452418

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		12/26/18 06:34	12/28/18 16:05	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		12/26/18 06:34	12/28/18 16:05	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		12/26/18 06:34	12/28/18 16:05	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		12/26/18 06:34	12/28/18 16:05	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		12/26/18 06:34	12/28/18 16:05	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		12/26/18 06:34	12/28/18 16:05	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		12/26/18 06:34	12/28/18 16:05	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		12/26/18 06:34	12/28/18 16:05	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		12/26/18 06:34	12/28/18 16:05	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		12/26/18 06:34	12/28/18 16:05	1
2-Chlorophenol	ND		5.0	0.53	ug/L		12/26/18 06:34	12/28/18 16:05	1
2-Methylphenol	ND		5.0	0.40	ug/L		12/26/18 06:34	12/28/18 16:05	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		12/26/18 06:34	12/28/18 16:05	1
2-Nitroaniline	ND		10	0.42	ug/L		12/26/18 06:34	12/28/18 16:05	1
2-Nitrophenol	ND		5.0	0.48	ug/L		12/26/18 06:34	12/28/18 16:05	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		12/26/18 06:34	12/28/18 16:05	1
3-Nitroaniline	ND		10	0.48	ug/L		12/26/18 06:34	12/28/18 16:05	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		12/26/18 06:34	12/28/18 16:05	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		12/26/18 06:34	12/28/18 16:05	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		12/26/18 06:34	12/28/18 16:05	1
4-Chloroaniline	ND		5.0	0.59	ug/L		12/26/18 06:34	12/28/18 16:05	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		12/26/18 06:34	12/28/18 16:05	1
4-Methylphenol	ND		10	0.36	ug/L		12/26/18 06:34	12/28/18 16:05	1
4-Nitroaniline	ND		10	0.25	ug/L		12/26/18 06:34	12/28/18 16:05	1
4-Nitrophenol	ND		10	1.5	ug/L		12/26/18 06:34	12/28/18 16:05	1
Acenaphthene	ND		5.0	0.41	ug/L		12/26/18 06:34	12/28/18 16:05	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/26/18 06:34	12/28/18 16:05	1
Acetophenone	ND		5.0	0.54	ug/L		12/26/18 06:34	12/28/18 16:05	1
Anthracene	ND		5.0	0.28	ug/L		12/26/18 06:34	12/28/18 16:05	1
Atrazine	ND		5.0	0.46	ug/L		12/26/18 06:34	12/28/18 16:05	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-452418/1-A

Matrix: Water

Analysis Batch: 452936

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 452418

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		5.0	0.27	ug/L		12/26/18 06:34	12/28/18 16:05	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/26/18 06:34	12/28/18 16:05	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/26/18 06:34	12/28/18 16:05	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/26/18 06:34	12/28/18 16:05	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/26/18 06:34	12/28/18 16:05	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/26/18 06:34	12/28/18 16:05	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		12/26/18 06:34	12/28/18 16:05	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		12/26/18 06:34	12/28/18 16:05	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		12/26/18 06:34	12/28/18 16:05	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		12/26/18 06:34	12/28/18 16:05	1
Caprolactam	ND		5.0	2.2	ug/L		12/26/18 06:34	12/28/18 16:05	1
Carbazole	ND		5.0	0.30	ug/L		12/26/18 06:34	12/28/18 16:05	1
Chrysene	ND		5.0	0.33	ug/L		12/26/18 06:34	12/28/18 16:05	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/26/18 06:34	12/28/18 16:05	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		12/26/18 06:34	12/28/18 16:05	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		12/26/18 06:34	12/28/18 16:05	1
Dibenzofuran	ND		10	0.51	ug/L		12/26/18 06:34	12/28/18 16:05	1
Diethyl phthalate	ND		5.0	0.22	ug/L		12/26/18 06:34	12/28/18 16:05	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		12/26/18 06:34	12/28/18 16:05	1
Fluoranthene	ND		5.0	0.40	ug/L		12/26/18 06:34	12/28/18 16:05	1
Fluorene	ND		5.0	0.36	ug/L		12/26/18 06:34	12/28/18 16:05	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		12/26/18 06:34	12/28/18 16:05	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		12/26/18 06:34	12/28/18 16:05	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		12/26/18 06:34	12/28/18 16:05	1
Hexachloroethane	ND		5.0	0.59	ug/L		12/26/18 06:34	12/28/18 16:05	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/26/18 06:34	12/28/18 16:05	1
Isophorone	ND		5.0	0.43	ug/L		12/26/18 06:34	12/28/18 16:05	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		12/26/18 06:34	12/28/18 16:05	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		12/26/18 06:34	12/28/18 16:05	1
Naphthalene	ND		5.0	0.76	ug/L		12/26/18 06:34	12/28/18 16:05	1
Nitrobenzene	ND		5.0	0.29	ug/L		12/26/18 06:34	12/28/18 16:05	1
Pentachlorophenol	ND		10	2.2	ug/L		12/26/18 06:34	12/28/18 16:05	1
Phenanthrene	ND		5.0	0.44	ug/L		12/26/18 06:34	12/28/18 16:05	1
Phenol	ND		5.0	0.39	ug/L		12/26/18 06:34	12/28/18 16:05	1
Pyrene	ND		5.0	0.34	ug/L		12/26/18 06:34	12/28/18 16:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	99		46 - 120	12/26/18 06:34	12/28/18 16:05	1
Phenol-d5 (Surr)	51		22 - 120	12/26/18 06:34	12/28/18 16:05	1
p-Terphenyl-d14 (Surr)	109		59 - 136	12/26/18 06:34	12/28/18 16:05	1
2,4,6-Tribromophenol (Surr)	66		41 - 120	12/26/18 06:34	12/28/18 16:05	1
2-Fluorobiphenyl	97		48 - 120	12/26/18 06:34	12/28/18 16:05	1
2-Fluorophenol (Surr)	68		35 - 120	12/26/18 06:34	12/28/18 16:05	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-452418/2-A

Matrix: Water

Analysis Batch: 452936

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 452418

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Biphenyl	32.0	31.8		ug/L		99	59 - 120
bis (2-chloroisopropyl) ether	32.0	41.5		ug/L		130	21 - 136
2,4,5-Trichlorophenol	32.0	33.7		ug/L		105	65 - 126
2,4,6-Trichlorophenol	32.0	35.7		ug/L		112	64 - 120
2,4-Dichlorophenol	32.0	36.1		ug/L		113	63 - 120
2,4-Dimethylphenol	32.0	31.8		ug/L		99	47 - 120
2,4-Dinitrophenol	64.0	67.6		ug/L		106	31 - 137
2,4-Dinitrotoluene	32.0	37.1		ug/L		116	69 - 120
2,6-Dinitrotoluene	32.0	35.3		ug/L		110	68 - 120
2-Chloronaphthalene	32.0	31.6		ug/L		99	58 - 120
2-Chlorophenol	32.0	29.2		ug/L		91	48 - 120
2-Methylphenol	32.0	34.1		ug/L		107	39 - 120
2-Methylnaphthalene	32.0	31.0		ug/L		97	59 - 120
2-Nitroaniline	32.0	33.9		ug/L		106	54 - 127
2-Nitrophenol	32.0	31.9		ug/L		100	52 - 125
3,3'-Dichlorobenzidine	64.0	63.8		ug/L		100	49 - 135
3-Nitroaniline	32.0	28.1		ug/L		88	51 - 120
4,6-Dinitro-2-methylphenol	64.0	78.2	E	ug/L		122	46 - 136
4-Bromophenyl phenyl ether	32.0	37.0		ug/L		116	65 - 120
4-Chloro-3-methylphenol	32.0	32.6		ug/L		102	61 - 123
4-Chloroaniline	32.0	27.2		ug/L		85	30 - 120
4-Chlorophenyl phenyl ether	32.0	37.1		ug/L		116	62 - 120
4-Methylphenol	32.0	32.3		ug/L		101	29 - 131
4-Nitroaniline	32.0	32.0		ug/L		100	65 - 120
4-Nitrophenol	64.0	61.4		ug/L		96	45 - 120
Acenaphthene	32.0	32.9		ug/L		103	60 - 120
Acenaphthylene	32.0	34.0		ug/L		106	63 - 120
Acetophenone	32.0	33.9		ug/L		106	45 - 120
Anthracene	32.0	34.8		ug/L		109	67 - 120
Atrazine	64.0	92.9	*	ug/L		145	71 - 130
Benzaldehyde	64.0	66.3		ug/L		104	10 - 140
Benzo[a]anthracene	32.0	35.0		ug/L		109	70 - 121
Benzo[a]pyrene	32.0	35.3		ug/L		110	60 - 123
Benzo[b]fluoranthene	32.0	36.2		ug/L		113	66 - 126
Benzo[g,h,i]perylene	32.0	36.6		ug/L		114	66 - 150
Benzo[k]fluoranthene	32.0	36.9		ug/L		115	65 - 124
Bis(2-chloroethoxy)methane	32.0	33.4		ug/L		104	50 - 128
Bis(2-chloroethyl)ether	32.0	30.3		ug/L		95	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	35.1		ug/L		110	63 - 139
Butyl benzyl phthalate	32.0	31.6		ug/L		99	70 - 129
Caprolactam	64.0	28.1		ug/L		44	22 - 120
Carbazole	32.0	36.4		ug/L		114	66 - 123
Chrysene	32.0	33.0		ug/L		103	69 - 120
Dibenz(a,h)anthracene	32.0	38.5		ug/L		120	65 - 135
Di-n-butyl phthalate	32.0	36.3		ug/L		113	69 - 131
Di-n-octyl phthalate	32.0	33.5		ug/L		105	63 - 140
Dibenzofuran	32.0	35.1		ug/L		110	66 - 120
Diethyl phthalate	32.0	38.1		ug/L		119	59 - 127

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-452418/2-A

Matrix: Water

Analysis Batch: 452936

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 452418

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dimethyl phthalate	32.0	37.3		ug/L		116	68 - 120
Fluoranthene	32.0	40.1		ug/L		125	69 - 126
Fluorene	32.0	37.2		ug/L		116	66 - 120
Hexachlorobenzene	32.0	37.5		ug/L		117	61 - 120
Hexachlorobutadiene	32.0	29.6		ug/L		93	35 - 120
Hexachlorocyclopentadiene	32.0	21.1		ug/L		66	31 - 120
Hexachloroethane	32.0	24.2		ug/L		76	43 - 120
Indeno[1,2,3-cd]pyrene	32.0	36.3		ug/L		113	69 - 146
Isophorone	32.0	36.6		ug/L		114	55 - 120
N-Nitrosodi-n-propylamine	32.0	34.9		ug/L		109	32 - 140
N-Nitrosodiphenylamine	32.0	33.9		ug/L		106	61 - 120
Naphthalene	32.0	29.6		ug/L		93	57 - 120
Nitrobenzene	32.0	34.1		ug/L		107	53 - 123
Pentachlorophenol	64.0	81.2		ug/L		127	29 - 136
Phenanthrene	32.0	33.8		ug/L		106	68 - 120
Phenol	32.0	23.9		ug/L		75	17 - 120
Pyrene	32.0	33.3		ug/L		104	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	89		46 - 120
Phenol-d5 (Surr)	53		22 - 120
p-Terphenyl-d14 (Surr)	99		59 - 136
2,4,6-Tribromophenol (Surr)	90		41 - 120
2-Fluorobiphenyl	92		48 - 120
2-Fluorophenol (Surr)	67		35 - 120

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-452554/1-A

Matrix: Water

Analysis Batch: 452663

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 452554

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.50	0.29	ug/L		12/26/18 15:39	12/27/18 11:41	1
Endrin	ND		0.050	0.014	ug/L		12/26/18 15:39	12/27/18 11:41	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		12/26/18 15:39	12/27/18 11:41	1
Heptachlor	ND		0.050	0.0085	ug/L		12/26/18 15:39	12/27/18 11:41	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		12/26/18 15:39	12/27/18 11:41	1
Methoxychlor	ND		0.050	0.014	ug/L		12/26/18 15:39	12/27/18 11:41	1
Toxaphene	ND		0.50	0.12	ug/L		12/26/18 15:39	12/27/18 11:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	55		20 - 120	12/26/18 15:39	12/27/18 11:41	1
DCB Decachlorobiphenyl	54		20 - 120	12/26/18 15:39	12/27/18 11:41	1
Tetrachloro-m-xylene	81		44 - 120	12/26/18 15:39	12/27/18 11:41	1
Tetrachloro-m-xylene	57		44 - 120	12/26/18 15:39	12/27/18 11:41	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-452554/2-A

Matrix: Water

Analysis Batch: 452663

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 452554

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Endrin	0.400	0.294		ug/L		74	65 - 135
gamma-BHC (Lindane)	0.400	0.249		ug/L		62	56 - 120
Heptachlor	0.400	0.263		ug/L		66	58 - 120
Heptachlor epoxide	0.400	0.261		ug/L		65	65 - 125
Methoxychlor	0.400	0.353		ug/L		88	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	46		20 - 120
DCB Decachlorobiphenyl	43		20 - 120
Tetrachloro-m-xylene	64		44 - 120
Tetrachloro-m-xylene	49		44 - 120

Lab Sample ID: LCSD 480-452554/3-A

Matrix: Water

Analysis Batch: 452663

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 452554

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Endrin	0.400	0.306		ug/L		77	65 - 135	4	24
gamma-BHC (Lindane)	0.400	0.260		ug/L		65	56 - 120	4	24
Heptachlor	0.400	0.269		ug/L		67	58 - 120	2	25
Heptachlor epoxide	0.400	0.276		ug/L		69	65 - 125	6	23
Methoxychlor	0.400	0.363		ug/L		91	50 - 150	3	26

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	48		20 - 120
DCB Decachlorobiphenyl	49		20 - 120
Tetrachloro-m-xylene	68		44 - 120
Tetrachloro-m-xylene	48		44 - 120

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-452962/1-A

Matrix: Water

Analysis Batch: 453089

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 452962

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 15:40	1
PCB-1221	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 15:40	1
PCB-1232	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 15:40	1
PCB-1242	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 15:40	1
PCB-1248	ND		0.50	0.18	ug/L		12/28/18 15:00	12/30/18 15:40	1
PCB-1254	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 15:40	1
PCB-1260	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 15:40	1
PCB-1262	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 15:40	1
PCB-1268	ND		0.50	0.25	ug/L		12/28/18 15:00	12/30/18 15:40	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 480-452962/1-A

Matrix: Water

Analysis Batch: 453089

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 452962

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	71		39 - 121	12/28/18 15:00	12/30/18 15:40	1
Tetrachloro-m-xylene	68		39 - 121	12/28/18 15:00	12/30/18 15:40	1
DCB Decachlorobiphenyl	43		19 - 120	12/28/18 15:00	12/30/18 15:40	1
DCB Decachlorobiphenyl	59		19 - 120	12/28/18 15:00	12/30/18 15:40	1

Lab Sample ID: LCS 480-452962/2-A

Matrix: Water

Analysis Batch: 453089

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 452962

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	4.00	3.33		ug/L		83	62 - 130
PCB-1260	4.00	2.85		ug/L		71	56 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	78		39 - 121
Tetrachloro-m-xylene	66		39 - 121
DCB Decachlorobiphenyl	38		19 - 120
DCB Decachlorobiphenyl	52		19 - 120

Lab Sample ID: LCSD 480-452962/3-A

Matrix: Water

Analysis Batch: 453089

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 452962

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	4.00	2.73		ug/L		68	62 - 130	20	50
PCB-1260	4.00	2.39		ug/L		60	56 - 123	17	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene	64		39 - 121
Tetrachloro-m-xylene	64		39 - 121
DCB Decachlorobiphenyl	30		19 - 120
DCB Decachlorobiphenyl	43		19 - 120

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-452421/1-A

Matrix: Water

Analysis Batch: 453082

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 452421

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.50	0.050	ug/L		12/26/18 07:26	12/30/18 15:08	1
2,4-D	ND		0.50	0.17	ug/L		12/26/18 07:26	12/30/18 15:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	51		48 - 132	12/26/18 07:26	12/30/18 15:08	1
2,4-Dichlorophenylacetic acid	58		48 - 132	12/26/18 07:26	12/30/18 15:08	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 480-452421/2-A

Matrix: Water

Analysis Batch: 453082

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 452421

Analyte				Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits		
				Added	Result	Qualifier							
Silvex (2,4,5-TP)				2.00	1.47		ug/L		73		49 - 150		
2,4-D				2.00	1.72		ug/L		86		36 - 150		
						</							

Lab Sample ID: LCSD 480-452421/3-A

Matrix: Water

Analysis Batch: 453082

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 452421

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	RPD
			Added	Result	Qualifier				Limits		Limit
Silvex (2,4,5-TP)			2.00	1.55		ug/L		78	49 - 150	5	50
2,4-D			2.00	2.02		ug/L		101	36 - 150	16	50
Surrogate	LCSD	LCSD	Limits								
	%Recovery	Qualifier									
	2,4-Dichlorophenylacetic acid	53		48 - 132							
	2,4-Dichlorophenylacetic acid	54		48 - 132							

Lab Sample ID: MB 480-453511/1-A

Matrix: Water

Analysis Batch: 455125

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 453511

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Silvex (2,4,5-TP)	ND		0.50	0.050	ug/L		01/03/19 09:23	01/15/19 14:35	1
2,4-D	ND		0.50	0.17	ug/L		01/03/19 09:23	01/15/19 14:35	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
2,4-Dichlorophenylacetic acid	64		48 - 132				01/03/19 09:23	01/15/19 14:35	1
2,4-Dichlorophenylacetic acid	78		48 - 132				01/03/19 09:23	01/15/19 14:35	1

Lab Sample ID: LCS 480-453511/2-A

Matrix: Water

Analysis Batch: 455125

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 453511

			Spike	LCS	LCS					
Analyte			Added	Result	Qualifier	Unit	D	%Rec	%Rec.	Limits
Silvex (2,4,5-TP)			2.00	1.47		ug/L		74	49 - 150	
2,4-D			2.00	1.50		ug/L		75	36 - 150	
			LCS	LCS						
Surrogate	%Recovery	Qualifier	Limits							
2,4-Dichlorophenylacetic acid	70		48 - 132							
2,4-Dichlorophenylacetic acid	49		48 - 132							

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCSD 480-453511/3-A

Matrix: Water

Analysis Batch: 455125

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 453511

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silvex (2,4,5-TP)	2.00	1.34		ug/L		67	49 - 150	9	50
2,4-D	2.00	1.43		ug/L		72	36 - 150	4	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	66		48 - 132
2,4-Dichlorophenylacetic acid	73		48 - 132

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-452526/1-A

Matrix: Water

Analysis Batch: 453121

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 452526

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.120	J	0.20	0.060	mg/L		12/27/18 08:31	12/28/18 17:48	1
Antimony	ND		0.020	0.0068	mg/L		12/27/18 08:31	12/28/18 17:48	1
Arsenic	ND		0.015	0.0056	mg/L		12/27/18 08:31	12/28/18 17:48	1
Barium	ND		0.0020	0.00070	mg/L		12/27/18 08:31	12/28/18 17:48	1
Beryllium	ND		0.0020	0.00030	mg/L		12/27/18 08:31	12/28/18 17:48	1
Cadmium	ND		0.0020	0.00050	mg/L		12/27/18 08:31	12/28/18 17:48	1
Calcium	0.246	J	0.50	0.10	mg/L		12/27/18 08:31	12/28/18 17:48	1
Chromium	ND		0.0040	0.0010	mg/L		12/27/18 08:31	12/28/18 17:48	1
Cobalt	ND		0.0040	0.00063	mg/L		12/27/18 08:31	12/28/18 17:48	1
Copper	ND		0.010	0.0016	mg/L		12/27/18 08:31	12/28/18 17:48	1
Iron	ND		0.050	0.019	mg/L		12/27/18 08:31	12/28/18 17:48	1
Lead	ND		0.010	0.0030	mg/L		12/27/18 08:31	12/28/18 17:48	1
Magnesium	ND		0.20	0.043	mg/L		12/27/18 08:31	12/28/18 17:48	1
Manganese	ND		0.0030	0.00040	mg/L		12/27/18 08:31	12/28/18 17:48	1
Nickel	ND		0.010	0.0013	mg/L		12/27/18 08:31	12/28/18 17:48	1
Potassium	ND		0.50	0.10	mg/L		12/27/18 08:31	12/28/18 17:48	1
Selenium	ND		0.025	0.0087	mg/L		12/27/18 08:31	12/28/18 17:48	1
Silver	ND		0.0060	0.0017	mg/L		12/27/18 08:31	12/28/18 17:48	1
Sodium	ND		1.0	0.32	mg/L		12/27/18 08:31	12/28/18 17:48	1
Thallium	ND		0.020	0.010	mg/L		12/27/18 08:31	12/28/18 17:48	1
Vanadium	ND		0.0050	0.0015	mg/L		12/27/18 08:31	12/28/18 17:48	1
Zinc	ND		0.010	0.0015	mg/L		12/27/18 08:31	12/28/18 17:48	1

Lab Sample ID: LCS 480-452526/2-A

Matrix: Water

Analysis Batch: 453121

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 452526

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10.0	9.90		mg/L		99	80 - 120
Antimony	0.200	0.201		mg/L		101	80 - 120
Arsenic	0.200	0.211		mg/L		106	80 - 120
Barium	0.200	0.197		mg/L		99	80 - 120
Beryllium	0.200	0.201		mg/L		101	80 - 120
Cadmium	0.200	0.204		mg/L		102	80 - 120

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-452526/2-A

Matrix: Water

Analysis Batch: 453121

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 452526

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	10.0	10.25		mg/L		103	80 - 120
Chromium	0.200	0.198		mg/L		99	80 - 120
Cobalt	0.200	0.194		mg/L		97	80 - 120
Copper	0.200	0.199		mg/L		99	80 - 120
Iron	10.0	9.78		mg/L		98	80 - 120
Lead	0.200	0.199		mg/L		100	80 - 120
Magnesium	10.0	10.35		mg/L		103	80 - 120
Manganese	0.200	0.202		mg/L		101	80 - 120
Nickel	0.200	0.202		mg/L		101	80 - 120
Potassium	10.0	9.92		mg/L		99	80 - 120
Selenium	0.200	0.206		mg/L		103	80 - 120
Silver	0.0500	0.0500		mg/L		100	80 - 120
Sodium	10.0	9.97		mg/L		100	80 - 120
Thallium	0.200	0.202		mg/L		101	80 - 120
Vanadium	0.200	0.196		mg/L		98	80 - 120
Zinc	0.200	0.208		mg/L		104	80 - 120

Lab Sample ID: LCSD 480-452526/24-A

Matrix: Water

Analysis Batch: 453121

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 452526

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	10.0	9.71		mg/L		97	80 - 120	2	20
Antimony	0.200	0.194		mg/L		97	80 - 120	3	20
Arsenic	0.200	0.204		mg/L		102	80 - 120	4	20
Barium	0.200	0.194		mg/L		97	80 - 120	1	20
Beryllium	0.200	0.197		mg/L		99	80 - 120	2	20
Cadmium	0.200	0.196		mg/L		98	80 - 120	4	20
Calcium	10.0	9.76		mg/L		98	80 - 120	5	20
Chromium	0.200	0.192		mg/L		96	80 - 120	3	20
Cobalt	0.200	0.187		mg/L		93	80 - 120	4	20
Copper	0.200	0.192		mg/L		96	80 - 120	4	20
Iron	10.0	9.51		mg/L		95	80 - 120	3	20
Lead	0.200	0.193		mg/L		96	80 - 120	3	20
Magnesium	10.0	10.09		mg/L		101	80 - 120	3	20
Manganese	0.200	0.196		mg/L		98	80 - 120	3	20
Nickel	0.200	0.195		mg/L		98	80 - 120	3	20
Potassium	10.0	9.58		mg/L		96	80 - 120	3	20
Selenium	0.200	0.195		mg/L		97	80 - 120	6	20
Silver	0.0500	0.0488		mg/L		98	80 - 120	2	20
Sodium	10.0	9.73		mg/L		97	80 - 120	2	20
Thallium	0.200	0.192		mg/L		96	80 - 120	5	20
Vanadium	0.200	0.190		mg/L		95	80 - 120	3	20
Zinc	0.200	0.202		mg/L		101	80 - 120	3	20

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-452528/1-A

Matrix: Water

Analysis Batch: 452945

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 452528

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0853	J	0.20	0.060	mg/L		12/27/18 08:23	12/28/18 11:35	1
Antimony	ND		0.020	0.0068	mg/L		12/27/18 08:23	12/28/18 11:35	1
Arsenic	ND		0.015	0.0056	mg/L		12/27/18 08:23	12/28/18 11:35	1
Barium	ND		0.0020	0.00070	mg/L		12/27/18 08:23	12/28/18 11:35	1
Beryllium	ND		0.0020	0.00030	mg/L		12/27/18 08:23	12/28/18 11:35	1
Cadmium	ND		0.0020	0.00050	mg/L		12/27/18 08:23	12/28/18 11:35	1
Calcium	0.351	J	0.50	0.10	mg/L		12/27/18 08:23	12/28/18 11:35	1
Chromium	ND		0.0040	0.0010	mg/L		12/27/18 08:23	12/28/18 11:35	1
Cobalt	ND		0.0040	0.00063	mg/L		12/27/18 08:23	12/28/18 11:35	1
Copper	ND		0.010	0.0016	mg/L		12/27/18 08:23	12/28/18 11:35	1
Iron	ND		0.050	0.019	mg/L		12/27/18 08:23	12/28/18 11:35	1
Lead	ND		0.010	0.0030	mg/L		12/27/18 08:23	12/28/18 11:35	1
Magnesium	ND		0.20	0.043	mg/L		12/27/18 08:23	12/28/18 11:35	1
Manganese	ND		0.0030	0.00040	mg/L		12/27/18 08:23	12/28/18 11:35	1
Nickel	ND		0.010	0.0013	mg/L		12/27/18 08:23	12/28/18 11:35	1
Potassium	ND		0.50	0.10	mg/L		12/27/18 08:23	12/28/18 11:35	1
Selenium	ND		0.025	0.0087	mg/L		12/27/18 08:23	12/28/18 11:35	1
Silver	ND		0.0060	0.0017	mg/L		12/27/18 08:23	12/28/18 11:35	1
Sodium	ND		1.0	0.32	mg/L		12/27/18 08:23	12/28/18 11:35	1
Thallium	ND		0.020	0.010	mg/L		12/27/18 08:23	12/28/18 11:35	1
Vanadium	ND		0.0050	0.0015	mg/L		12/27/18 08:23	12/28/18 11:35	1
Zinc	ND		0.010	0.0015	mg/L		12/27/18 08:23	12/28/18 11:35	1

Lab Sample ID: LCS 480-452528/2-A

Matrix: Water

Analysis Batch: 452945

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 452528

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10.0	9.17		mg/L		92	80 - 120
Antimony	0.200	0.195		mg/L		97	80 - 120
Arsenic	0.200	0.202		mg/L		101	80 - 120
Barium	0.200	0.181		mg/L		91	80 - 120
Beryllium	0.200	0.200		mg/L		100	80 - 120
Cadmium	0.200	0.195		mg/L		98	80 - 120
Calcium	10.0	10.56		mg/L		106	80 - 120
Chromium	0.200	0.193		mg/L		96	80 - 120
Cobalt	0.200	0.187		mg/L		93	80 - 120
Copper	0.200	0.191		mg/L		95	80 - 120
Iron	10.0	9.73		mg/L		97	80 - 120
Lead	0.200	0.193		mg/L		96	80 - 120
Magnesium	10.0	10.09		mg/L		101	80 - 120
Manganese	0.200	0.195		mg/L		98	80 - 120
Nickel	0.200	0.194		mg/L		97	80 - 120
Potassium	10.0	8.76		mg/L		88	80 - 120
Selenium	0.200	0.196		mg/L		98	80 - 120
Silver	0.0500	0.0488		mg/L		98	80 - 120
Sodium	10.0	8.84		mg/L		88	80 - 120
Thallium	0.200	0.194		mg/L		97	80 - 120

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-452528/2-A
Matrix: Water
Analysis Batch: 452945

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452528

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	0.200	0.190		mg/L		95	80 - 120
Zinc	0.200	0.203		mg/L		102	80 - 120

Lab Sample ID: 480-147238-4 MS
Matrix: Water
Analysis Batch: 452945

Client Sample ID: Far Back Room Vault
Prep Type: Total/NA
Prep Batch: 452528

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	0.18	J B	10.0	9.63		mg/L		94	75 - 125
Antimony	ND		0.200	0.201		mg/L		101	75 - 125
Arsenic	ND		0.200	0.214		mg/L		107	75 - 125
Barium	0.027		0.200	0.213		mg/L		93	75 - 125
Beryllium	ND		0.200	0.207		mg/L		103	75 - 125
Cadmium	ND		0.200	0.202		mg/L		101	75 - 125
Calcium	67.4	B	10.0	79.69	4	mg/L		123	75 - 125
Chromium	ND		0.200	0.195		mg/L		97	75 - 125
Cobalt	ND		0.200	0.195		mg/L		97	75 - 125
Copper	0.0066	J	0.200	0.202		mg/L		98	75 - 125
Iron	0.20		10.0	10.04		mg/L		98	75 - 125
Lead	ND		0.200	0.202		mg/L		101	75 - 125
Magnesium	15.8		10.0	26.21		mg/L		104	75 - 125
Manganese	0.0046		0.200	0.201		mg/L		98	75 - 125
Nickel	0.0026	J	0.200	0.205		mg/L		101	75 - 125
Potassium	34.2		10.0	45.12		mg/L		109	75 - 125
Selenium	ND		0.200	0.202		mg/L		101	75 - 125
Silver	ND		0.0500	0.0505		mg/L		101	75 - 125
Sodium	23.9		10.0	34.48		mg/L		106	75 - 125
Thallium	ND		0.200	0.196		mg/L		98	75 - 125
Vanadium	0.0025	J	0.200	0.197		mg/L		97	75 - 125
Zinc	0.0072	J	0.200	0.213		mg/L		103	75 - 125

Lab Sample ID: 480-147238-4 MSD
Matrix: Water
Analysis Batch: 452945

Client Sample ID: Far Back Room Vault
Prep Type: Total/NA
Prep Batch: 452528

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Aluminum	0.18	J B	10.0	9.57		mg/L		94	75 - 125	1	20
Antimony	ND		0.200	0.208		mg/L		104	75 - 125	3	20
Arsenic	ND		0.200	0.219		mg/L		110	75 - 125	2	20
Barium	0.027		0.200	0.209		mg/L		91	75 - 125	2	20
Beryllium	ND		0.200	0.211		mg/L		106	75 - 125	2	20
Cadmium	ND		0.200	0.208		mg/L		104	75 - 125	3	20
Calcium	67.4	B	10.0	78.89	4	mg/L		115	75 - 125	1	20
Chromium	ND		0.200	0.200		mg/L		100	75 - 125	3	20
Cobalt	ND		0.200	0.199		mg/L		100	75 - 125	2	20
Copper	0.0066	J	0.200	0.207		mg/L		100	75 - 125	2	20
Iron	0.20		10.0	10.29		mg/L		101	75 - 125	3	20
Lead	ND		0.200	0.207		mg/L		104	75 - 125	2	20
Magnesium	15.8		10.0	26.22		mg/L		104	75 - 125	0	20

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-147238-4 MSD

Matrix: Water

Analysis Batch: 452945

Client Sample ID: Far Back Room Vault

Prep Type: Total/NA

Prep Batch: 452528

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Manganese	0.0046		0.200	0.207		mg/L		101	75 - 125	3	20
Nickel	0.0026	J	0.200	0.210		mg/L		104	75 - 125	2	20
Potassium	34.2		10.0	44.59		mg/L		104	75 - 125	1	20
Selenium	ND		0.200	0.208		mg/L		104	75 - 125	3	20
Silver	ND		0.0500	0.0514		mg/L		103	75 - 125	2	20
Sodium	23.9		10.0	34.11		mg/L		102	75 - 125	1	20
Thallium	ND		0.200	0.203		mg/L		102	75 - 125	4	20
Vanadium	0.0025	J	0.200	0.200		mg/L		99	75 - 125	2	20
Zinc	0.0072	J	0.200	0.216		mg/L		104	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-452485/1-A

Matrix: Water

Analysis Batch: 452541

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 452485

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/26/18 11:20	12/26/18 14:06	1

Lab Sample ID: LCS 480-452485/2-A

Matrix: Water

Analysis Batch: 452541

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 452485

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00690		mg/L		103	80 - 120

Lab Sample ID: 480-147238-3 MS

Matrix: Water

Analysis Batch: 452541

Client Sample ID: Middle Room Double Door Vault

Prep Type: Total/NA

Prep Batch: 452485

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00667	0.00707		mg/L		106	80 - 120

Lab Sample ID: 480-147238-3 MSD

Matrix: Water

Analysis Batch: 452541

Client Sample ID: Middle Room Double Door Vault

Prep Type: Total/NA

Prep Batch: 452485

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00667	0.00705		mg/L		106	80 - 120	0	20

TestAmerica Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

GC/MS VOA

Analysis Batch: 452574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147238-1	MH-15	Total/NA	Water	8260C	
480-147238-2	NW Main Building Vault	Total/NA	Water	8260C	
480-147238-3	Middle Room Double Door Vault	Total/NA	Water	8260C	
480-147238-4	Far Back Room Vault	Total/NA	Water	8260C	
480-147238-5	Low Room Vault 3	Total/NA	Water	8260C	
480-147238-6	Drain Room DI	Total/NA	Water	8260C	
480-147238-7	Flammable Tent DI	Total/NA	Water	8260C	
480-147238-8	DUP	Total/NA	Water	8260C	
MB 480-452574/7	Method Blank	Total/NA	Water	8260C	
LCS 480-452574/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 452614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147238-9	Trip Blank	Total/NA	Water	8260C	
MB 480-452614/7	Method Blank	Total/NA	Water	8260C	
LCS 480-452614/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 566724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147238-1	MH-15	Total/NA	Water	8260B SIM	
480-147238-2	NW Main Building Vault	Total/NA	Water	8260B SIM	
480-147238-3	Middle Room Double Door Vault	Total/NA	Water	8260B SIM	
480-147238-4	Far Back Room Vault	Total/NA	Water	8260B SIM	
480-147238-5	Low Room Vault 3	Total/NA	Water	8260B SIM	
480-147238-6	Drain Room DI	Total/NA	Water	8260B SIM	
480-147238-7	Flammable Tent DI	Total/NA	Water	8260B SIM	
480-147238-8	DUP	Total/NA	Water	8260B SIM	
MB 490-566724/8	Method Blank	Total/NA	Water	8260B SIM	
LCS 490-566724/4	Lab Control Sample	Total/NA	Water	8260B SIM	
LCSD 490-566724/5	Lab Control Sample Dup	Total/NA	Water	8260B SIM	
480-147238-4 MS	Far Back Room Vault	Total/NA	Water	8260B SIM	
480-147238-4 MSD	Far Back Room Vault	Total/NA	Water	8260B SIM	

GC/MS Semi VOA

Prep Batch: 452418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147238-1	MH-15	Total/NA	Water	3510C	
480-147238-2	NW Main Building Vault	Total/NA	Water	3510C	
480-147238-3	Middle Room Double Door Vault	Total/NA	Water	3510C	
480-147238-4	Far Back Room Vault	Total/NA	Water	3510C	
480-147238-5	Low Room Vault 3	Total/NA	Water	3510C	
480-147238-6	Drain Room DI	Total/NA	Water	3510C	
480-147238-7	Flammable Tent DI	Total/NA	Water	3510C	
480-147238-8	DUP	Total/NA	Water	3510C	
MB 480-452418/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-452418/2-A	Lab Control Sample	Total/NA	Water	3510C	

TestAmerica Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

GC/MS Semi VOA (Continued)

Analysis Batch: 452936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147238-1	MH-15	Total/NA	Water	8270D	452418
480-147238-2	NW Main Building Vault	Total/NA	Water	8270D	452418
480-147238-3	Middle Room Double Door Vault	Total/NA	Water	8270D	452418
480-147238-4	Far Back Room Vault	Total/NA	Water	8270D	452418
480-147238-5	Low Room Vault 3	Total/NA	Water	8270D	452418
480-147238-6	Drain Room DI	Total/NA	Water	8270D	452418
480-147238-7	Flammable Tent DI	Total/NA	Water	8270D	452418
MB 480-452418/1-A	Method Blank	Total/NA	Water	8270D	452418
LCS 480-452418/2-A	Lab Control Sample	Total/NA	Water	8270D	452418

Analysis Batch: 453546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147238-8	DUP	Total/NA	Water	8270D	452418

GC Semi VOA

Prep Batch: 452421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147238-1	MH-15	Total/NA	Water	8151A	
480-147238-2	NW Main Building Vault	Total/NA	Water	8151A	
480-147238-3	Middle Room Double Door Vault	Total/NA	Water	8151A	
480-147238-4	Far Back Room Vault	Total/NA	Water	8151A	
480-147238-5	Low Room Vault 3	Total/NA	Water	8151A	
480-147238-6	Drain Room DI	Total/NA	Water	8151A	
480-147238-7	Flammable Tent DI	Total/NA	Water	8151A	
480-147238-8	DUP	Total/NA	Water	8151A	
MB 480-452421/1-A	Method Blank	Total/NA	Water	8151A	
LCS 480-452421/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 480-452421/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Prep Batch: 452554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147238-1	MH-15	Total/NA	Water	3510C	
480-147238-2	NW Main Building Vault	Total/NA	Water	3510C	
480-147238-3	Middle Room Double Door Vault	Total/NA	Water	3510C	
480-147238-4	Far Back Room Vault	Total/NA	Water	3510C	
480-147238-5	Low Room Vault 3	Total/NA	Water	3510C	
480-147238-6	Drain Room DI	Total/NA	Water	3510C	
480-147238-7	Flammable Tent DI	Total/NA	Water	3510C	
480-147238-8	DUP	Total/NA	Water	3510C	
MB 480-452554/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-452554/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-452554/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 452663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147238-1	MH-15	Total/NA	Water	8081B	452554
480-147238-2	NW Main Building Vault	Total/NA	Water	8081B	452554
480-147238-3	Middle Room Double Door Vault	Total/NA	Water	8081B	452554
480-147238-4	Far Back Room Vault	Total/NA	Water	8081B	452554

TestAmerica Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

GC Semi VOA (Continued)

Analysis Batch: 452663 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147238-5	Low Room Vault 3	Total/NA	Water	8081B	452554
480-147238-6	Drain Room DI	Total/NA	Water	8081B	452554
480-147238-7	Flammable Tent DI	Total/NA	Water	8081B	452554
480-147238-8	DUP	Total/NA	Water	8081B	452554
MB 480-452554/1-A	Method Blank	Total/NA	Water	8081B	452554
LCS 480-452554/2-A	Lab Control Sample	Total/NA	Water	8081B	452554
LCSD 480-452554/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	452554

Prep Batch: 452962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147238-1	MH-15	Total/NA	Water	3510C	
480-147238-2	NW Main Building Vault	Total/NA	Water	3510C	
480-147238-3	Middle Room Double Door Vault	Total/NA	Water	3510C	
480-147238-4	Far Back Room Vault	Total/NA	Water	3510C	
480-147238-5	Low Room Vault 3	Total/NA	Water	3510C	
480-147238-6	Drain Room DI	Total/NA	Water	3510C	
480-147238-7	Flammable Tent DI	Total/NA	Water	3510C	
480-147238-8	DUP	Total/NA	Water	3510C	
MB 480-452962/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-452962/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-452962/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 453082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147238-1	MH-15	Total/NA	Water	8151A	452421
480-147238-2	NW Main Building Vault	Total/NA	Water	8151A	452421
480-147238-3	Middle Room Double Door Vault	Total/NA	Water	8151A	452421
480-147238-4	Far Back Room Vault	Total/NA	Water	8151A	452421
480-147238-5	Low Room Vault 3	Total/NA	Water	8151A	452421
480-147238-6	Drain Room DI	Total/NA	Water	8151A	452421
480-147238-7	Flammable Tent DI	Total/NA	Water	8151A	452421
480-147238-8	DUP	Total/NA	Water	8151A	452421
MB 480-452421/1-A	Method Blank	Total/NA	Water	8151A	452421
LCS 480-452421/2-A	Lab Control Sample	Total/NA	Water	8151A	452421
LCSD 480-452421/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	452421

Analysis Batch: 453089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147238-1	MH-15	Total/NA	Water	8082A	452962
480-147238-2	NW Main Building Vault	Total/NA	Water	8082A	452962
480-147238-3	Middle Room Double Door Vault	Total/NA	Water	8082A	452962
480-147238-4	Far Back Room Vault	Total/NA	Water	8082A	452962
480-147238-5	Low Room Vault 3	Total/NA	Water	8082A	452962
480-147238-6	Drain Room DI	Total/NA	Water	8082A	452962
480-147238-7	Flammable Tent DI	Total/NA	Water	8082A	452962
480-147238-8	DUP	Total/NA	Water	8082A	452962
MB 480-452962/1-A	Method Blank	Total/NA	Water	8082A	452962
LCS 480-452962/2-A	Lab Control Sample	Total/NA	Water	8082A	452962
LCSD 480-452962/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	452962

TestAmerica Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

GC Semi VOA (Continued)

Prep Batch: 453511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147238-1 - RE	MH-15	Total/NA	Water	8151A	
480-147238-2 - RE	NW Main Building Vault	Total/NA	Water	8151A	
480-147238-3 - RE	Middle Room Double Door Vault	Total/NA	Water	8151A	
480-147238-4 - RE	Far Back Room Vault	Total/NA	Water	8151A	
480-147238-5 - RE	Low Room Vault 3	Total/NA	Water	8151A	
480-147238-6 - RE	Drain Room DI	Total/NA	Water	8151A	
480-147238-8 - RE	DUP	Total/NA	Water	8151A	
MB 480-453511/1-A	Method Blank	Total/NA	Water	8151A	
LCS 480-453511/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 480-453511/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 455125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-453511/1-A	Method Blank	Total/NA	Water	8151A	453511
LCS 480-453511/2-A	Lab Control Sample	Total/NA	Water	8151A	453511
LCSD 480-453511/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	453511

Analysis Batch: 455201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147238-1 - RE	MH-15	Total/NA	Water	8151A	453511
480-147238-2 - RE	NW Main Building Vault	Total/NA	Water	8151A	453511
480-147238-3 - RE	Middle Room Double Door Vault	Total/NA	Water	8151A	453511
480-147238-4 - RE	Far Back Room Vault	Total/NA	Water	8151A	453511
480-147238-5 - RE	Low Room Vault 3	Total/NA	Water	8151A	453511
480-147238-6 - RE	Drain Room DI	Total/NA	Water	8151A	453511
480-147238-8 - RE	DUP	Total/NA	Water	8151A	453511

Metals

Prep Batch: 452485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147238-1	MH-15	Total/NA	Water	7470A	
480-147238-2	NW Main Building Vault	Total/NA	Water	7470A	
480-147238-3	Middle Room Double Door Vault	Total/NA	Water	7470A	
480-147238-4	Far Back Room Vault	Total/NA	Water	7470A	
480-147238-5	Low Room Vault 3	Total/NA	Water	7470A	
480-147238-6	Drain Room DI	Total/NA	Water	7470A	
480-147238-7	Flammable Tent DI	Total/NA	Water	7470A	
480-147238-8	DUP	Total/NA	Water	7470A	
MB 480-452485/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-452485/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-147238-3 MS	Middle Room Double Door Vault	Total/NA	Water	7470A	
480-147238-3 MSD	Middle Room Double Door Vault	Total/NA	Water	7470A	

Prep Batch: 452526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147238-1	MH-15	Total/NA	Water	3005A	
480-147238-2	NW Main Building Vault	Total/NA	Water	3005A	
480-147238-3	Middle Room Double Door Vault	Total/NA	Water	3005A	
MB 480-452526/1-A	Method Blank	Total/NA	Water	3005A	

TestAmerica Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Metals (Continued)

Prep Batch: 452526 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-452526/2-A	Lab Control Sample	Total/NA	Water	3005A	
LCSD 480-452526/24-A	Lab Control Sample Dup	Total/NA	Water	3005A	

Prep Batch: 452528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147238-4	Far Back Room Vault	Total/NA	Water	3005A	
480-147238-5	Low Room Vault 3	Total/NA	Water	3005A	
480-147238-6	Drain Room DI	Total/NA	Water	3005A	
480-147238-7	Flammable Tent DI	Total/NA	Water	3005A	
480-147238-8	DUP	Total/NA	Water	3005A	
MB 480-452528/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-452528/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-147238-4 MS	Far Back Room Vault	Total/NA	Water	3005A	
480-147238-4 MSD	Far Back Room Vault	Total/NA	Water	3005A	

Analysis Batch: 452541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147238-1	MH-15	Total/NA	Water	7470A	452485
480-147238-2	NW Main Building Vault	Total/NA	Water	7470A	452485
480-147238-3	Middle Room Double Door Vault	Total/NA	Water	7470A	452485
480-147238-4	Far Back Room Vault	Total/NA	Water	7470A	452485
480-147238-5	Low Room Vault 3	Total/NA	Water	7470A	452485
480-147238-6	Drain Room DI	Total/NA	Water	7470A	452485
480-147238-7	Flammable Tent DI	Total/NA	Water	7470A	452485
480-147238-8	DUP	Total/NA	Water	7470A	452485
MB 480-452485/1-A	Method Blank	Total/NA	Water	7470A	452485
LCS 480-452485/2-A	Lab Control Sample	Total/NA	Water	7470A	452485
480-147238-3 MS	Middle Room Double Door Vault	Total/NA	Water	7470A	452485
480-147238-3 MSD	Middle Room Double Door Vault	Total/NA	Water	7470A	452485

Analysis Batch: 452945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147238-4	Far Back Room Vault	Total/NA	Water	6010C	452528
480-147238-5	Low Room Vault 3	Total/NA	Water	6010C	452528
480-147238-6	Drain Room DI	Total/NA	Water	6010C	452528
480-147238-7	Flammable Tent DI	Total/NA	Water	6010C	452528
480-147238-8	DUP	Total/NA	Water	6010C	452528
MB 480-452528/1-A	Method Blank	Total/NA	Water	6010C	452528
LCS 480-452528/2-A	Lab Control Sample	Total/NA	Water	6010C	452528
480-147238-4 MS	Far Back Room Vault	Total/NA	Water	6010C	452528
480-147238-4 MSD	Far Back Room Vault	Total/NA	Water	6010C	452528

Analysis Batch: 453121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147238-1	MH-15	Total/NA	Water	6010C	452526
480-147238-2	NW Main Building Vault	Total/NA	Water	6010C	452526
480-147238-3	Middle Room Double Door Vault	Total/NA	Water	6010C	452526
MB 480-452526/1-A	Method Blank	Total/NA	Water	6010C	452526
LCS 480-452526/2-A	Lab Control Sample	Total/NA	Water	6010C	452526
LCSD 480-452526/24-A	Lab Control Sample Dup	Total/NA	Water	6010C	452526

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: MH-15

Date Collected: 12/19/18 09:45

Date Received: 12/21/18 16:30

Lab Sample ID: 480-147238-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		1	566724	12/28/18 21:52	JRV	TAL NSH
Total/NA	Analysis	8260C		2	452574	12/27/18 02:36	AMM	TAL BUF
Total/NA	Prep	3510C			452418	12/26/18 06:34	SMP	TAL BUF
Total/NA	Analysis	8270D		20	452936	12/28/18 23:28	PJQ	TAL BUF
Total/NA	Prep	3510C			452554	12/26/18 15:39	JMP	TAL BUF
Total/NA	Analysis	8081B		1	452663	12/27/18 12:40	JLS	TAL BUF
Total/NA	Prep	3510C			452962	12/28/18 15:00	AAP	TAL BUF
Total/NA	Analysis	8082A		1	453089	12/30/18 17:48	DSC	TAL BUF
Total/NA	Prep	8151A			452421	12/26/18 07:26	JMP	TAL BUF
Total/NA	Analysis	8151A		1	453082	12/30/18 16:37	MAN	TAL BUF
Total/NA	Prep	8151A	RE		453511	01/03/19 09:23	JMP	TAL BUF
Total/NA	Analysis	8151A	RE	1	455201	01/16/19 07:21	MAN	TAL BUF
Total/NA	Prep	3005A			452526	12/27/18 08:31	VEG	TAL BUF
Total/NA	Analysis	6010C		1	453121	12/28/18 18:57	AMH	TAL BUF
Total/NA	Prep	7470A			452485	12/26/18 11:20	BMB	TAL BUF
Total/NA	Analysis	7470A		1	452541	12/26/18 14:22	BMB	TAL BUF

Client Sample ID: NW Main Building Vault

Date Collected: 12/19/18 12:20

Date Received: 12/21/18 16:30

Lab Sample ID: 480-147238-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		20	566724	12/28/18 21:26	JRV	TAL NSH
Total/NA	Analysis	8260C		20	452574	12/27/18 02:59	AMM	TAL BUF
Total/NA	Prep	3510C			452418	12/26/18 06:34	SMP	TAL BUF
Total/NA	Analysis	8270D		20	452936	12/28/18 23:58	PJQ	TAL BUF
Total/NA	Prep	3510C			452554	12/26/18 15:39	JMP	TAL BUF
Total/NA	Analysis	8081B		1	452663	12/27/18 12:59	JLS	TAL BUF
Total/NA	Prep	3510C			452962	12/28/18 15:00	AAP	TAL BUF
Total/NA	Analysis	8082A		1	453089	12/30/18 18:04	DSC	TAL BUF
Total/NA	Prep	8151A			452421	12/26/18 07:26	JMP	TAL BUF
Total/NA	Analysis	8151A		1	453082	12/30/18 17:07	MAN	TAL BUF
Total/NA	Prep	8151A	RE		453511	01/03/19 09:23	JMP	TAL BUF
Total/NA	Analysis	8151A	RE	1	455201	01/16/19 07:51	MAN	TAL BUF
Total/NA	Prep	3005A			452526	12/27/18 08:31	VEG	TAL BUF
Total/NA	Analysis	6010C		1	453121	12/28/18 19:15	AMH	TAL BUF
Total/NA	Prep	7470A			452485	12/26/18 11:20	BMB	TAL BUF
Total/NA	Analysis	7470A		1	452541	12/26/18 14:23	BMB	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Middle Room Double Door Vault

Lab Sample ID: 480-147238-3

Date Collected: 12/19/18 13:35

Matrix: Water

Date Received: 12/21/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		5	566724	12/28/18 19:11	JRV	TAL NSH
Total/NA	Analysis	8260C		5	452574	12/27/18 03:22	AMM	TAL BUF
Total/NA	Prep	3510C			452418	12/26/18 06:34	SMP	TAL BUF
Total/NA	Analysis	8270D		1	452936	12/29/18 00:27	PJQ	TAL BUF
Total/NA	Prep	3510C			452554	12/26/18 15:39	JMP	TAL BUF
Total/NA	Analysis	8081B		1	452663	12/27/18 13:19	JLS	TAL BUF
Total/NA	Prep	3510C			452962	12/28/18 15:00	AAP	TAL BUF
Total/NA	Analysis	8082A		1	453089	12/30/18 18:19	DSC	TAL BUF
Total/NA	Prep	8151A			452421	12/26/18 07:26	JMP	TAL BUF
Total/NA	Analysis	8151A		1	453082	12/30/18 17:37	MAN	TAL BUF
Total/NA	Prep	8151A	RE		453511	01/03/19 09:23	JMP	TAL BUF
Total/NA	Analysis	8151A	RE	1	455201	01/16/19 08:21	MAN	TAL BUF
Total/NA	Prep	3005A			452526	12/27/18 08:31	VEG	TAL BUF
Total/NA	Analysis	6010C		1	453121	12/28/18 19:19	AMH	TAL BUF
Total/NA	Prep	7470A			452485	12/26/18 11:20	BMB	TAL BUF
Total/NA	Analysis	7470A		1	452541	12/26/18 14:25	BMB	TAL BUF

Client Sample ID: Far Back Room Vault

Lab Sample ID: 480-147238-4

Date Collected: 12/19/18 14:10

Matrix: Water

Date Received: 12/21/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		10	566724	12/28/18 19:38	JRV	TAL NSH
Total/NA	Analysis	8260C		10	452574	12/27/18 03:45	AMM	TAL BUF
Total/NA	Prep	3510C			452418	12/26/18 06:34	SMP	TAL BUF
Total/NA	Analysis	8270D		1	452936	12/29/18 00:56	PJQ	TAL BUF
Total/NA	Prep	3510C			452554	12/26/18 15:39	JMP	TAL BUF
Total/NA	Analysis	8081B		1	452663	12/27/18 13:39	JLS	TAL BUF
Total/NA	Prep	3510C			452962	12/28/18 15:00	AAP	TAL BUF
Total/NA	Analysis	8082A		1	453089	12/30/18 18:35	DSC	TAL BUF
Total/NA	Prep	8151A			452421	12/26/18 07:26	JMP	TAL BUF
Total/NA	Analysis	8151A		1	453082	12/30/18 18:06	MAN	TAL BUF
Total/NA	Prep	8151A	RE		453511	01/03/19 09:23	JMP	TAL BUF
Total/NA	Analysis	8151A	RE	1	455201	01/16/19 08:50	MAN	TAL BUF
Total/NA	Prep	3005A			452528	12/27/18 08:23	VEG	TAL BUF
Total/NA	Analysis	6010C		1	452945	12/28/18 11:43	AMH	TAL BUF
Total/NA	Prep	7470A			452485	12/26/18 11:20	BMB	TAL BUF
Total/NA	Analysis	7470A		1	452541	12/26/18 14:30	BMB	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Low Room Vault 3

Lab Sample ID: 480-147238-5

Date Collected: 12/19/18 15:10

Matrix: Water

Date Received: 12/21/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		10	566724	12/28/18 20:05	JRV	TAL NSH
Total/NA	Analysis	8260C		10	452574	12/27/18 04:09	AMM	TAL BUF
Total/NA	Prep	3510C			452418	12/26/18 06:34	SMP	TAL BUF
Total/NA	Analysis	8270D		5	452936	12/29/18 01:25	PJQ	TAL BUF
Total/NA	Prep	3510C			452554	12/26/18 15:39	JMP	TAL BUF
Total/NA	Analysis	8081B		2	452663	12/27/18 13:58	JLS	TAL BUF
Total/NA	Prep	3510C			452962	12/28/18 15:00	AAP	TAL BUF
Total/NA	Analysis	8082A		1	453089	12/30/18 18:51	DSC	TAL BUF
Total/NA	Prep	8151A			452421	12/26/18 07:26	JMP	TAL BUF
Total/NA	Analysis	8151A		1	453082	12/30/18 18:36	MAN	TAL BUF
Total/NA	Prep	8151A	RE		453511	01/03/19 09:23	JMP	TAL BUF
Total/NA	Analysis	8151A	RE	1	455201	01/16/19 09:20	MAN	TAL BUF
Total/NA	Prep	3005A			452528	12/27/18 08:23	VEG	TAL BUF
Total/NA	Analysis	6010C		1	452945	12/28/18 12:11	AMH	TAL BUF
Total/NA	Prep	7470A			452485	12/26/18 11:20	BMB	TAL BUF
Total/NA	Analysis	7470A		1	452541	12/26/18 14:31	BMB	TAL BUF

Client Sample ID: Drain Room DI

Lab Sample ID: 480-147238-6

Date Collected: 12/19/18 15:30

Matrix: Water

Date Received: 12/21/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		1	566724	12/28/18 18:44	JRV	TAL NSH
Total/NA	Analysis	8260C		1	452574	12/27/18 04:32	AMM	TAL BUF
Total/NA	Prep	3510C			452418	12/26/18 06:34	SMP	TAL BUF
Total/NA	Analysis	8270D		5	452936	12/29/18 01:54	PJQ	TAL BUF
Total/NA	Prep	3510C			452554	12/26/18 15:39	JMP	TAL BUF
Total/NA	Analysis	8081B		1	452663	12/27/18 14:18	JLS	TAL BUF
Total/NA	Prep	3510C			452962	12/28/18 15:00	AAP	TAL BUF
Total/NA	Analysis	8082A		1	453089	12/30/18 19:07	DSC	TAL BUF
Total/NA	Prep	8151A			452421	12/26/18 07:26	JMP	TAL BUF
Total/NA	Analysis	8151A		1	453082	12/30/18 19:06	MAN	TAL BUF
Total/NA	Prep	8151A	RE		453511	01/03/19 09:23	JMP	TAL BUF
Total/NA	Analysis	8151A	RE	1	455201	01/16/19 09:50	MAN	TAL BUF
Total/NA	Prep	3005A			452528	12/27/18 08:23	VEG	TAL BUF
Total/NA	Analysis	6010C		1	452945	12/28/18 12:15	AMH	TAL BUF
Total/NA	Prep	7470A			452485	12/26/18 11:20	BMB	TAL BUF
Total/NA	Analysis	7470A		1	452541	12/26/18 14:32	BMB	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Client Sample ID: Flammable Tent DI

Lab Sample ID: 480-147238-7

Date Collected: 12/19/18 16:00

Matrix: Water

Date Received: 12/21/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		20	566724	12/28/18 20:59	JRV	TAL NSH
Total/NA	Analysis	8260C		20	452574	12/27/18 04:55	AMM	TAL BUF
Total/NA	Prep	3510C			452418	12/26/18 06:34	SMP	TAL BUF
Total/NA	Analysis	8270D		1	452936	12/29/18 02:23	PJQ	TAL BUF
Total/NA	Prep	3510C			452554	12/26/18 15:39	JMP	TAL BUF
Total/NA	Analysis	8081B		1	452663	12/27/18 14:38	JLS	TAL BUF
Total/NA	Prep	3510C			452962	12/28/18 15:00	AAP	TAL BUF
Total/NA	Analysis	8082A		1	453089	12/30/18 19:23	DSC	TAL BUF
Total/NA	Prep	8151A			452421	12/26/18 07:26	JMP	TAL BUF
Total/NA	Analysis	8151A		1	453082	12/30/18 20:05	MAN	TAL BUF
Total/NA	Prep	3005A			452528	12/27/18 08:23	VEG	TAL BUF
Total/NA	Analysis	6010C		1	452945	12/28/18 12:19	AMH	TAL BUF
Total/NA	Prep	7470A			452485	12/26/18 11:20	BMB	TAL BUF
Total/NA	Analysis	7470A		1	452541	12/26/18 14:34	BMB	TAL BUF

Client Sample ID: DUP

Lab Sample ID: 480-147238-8

Date Collected: 12/19/18 00:00

Matrix: Water

Date Received: 12/21/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		10	566724	12/28/18 20:32	JRV	TAL NSH
Total/NA	Analysis	8260C		10	452574	12/27/18 05:18	AMM	TAL BUF
Total/NA	Prep	3510C			452418	12/26/18 06:34	SMP	TAL BUF
Total/NA	Analysis	8270D		1	453546	01/04/19 04:00	RJS	TAL BUF
Total/NA	Prep	3510C			452554	12/26/18 15:39	JMP	TAL BUF
Total/NA	Analysis	8081B		1	452663	12/27/18 14:57	JLS	TAL BUF
Total/NA	Prep	3510C			452962	12/28/18 15:00	AAP	TAL BUF
Total/NA	Analysis	8082A		1	453089	12/30/18 19:39	DSC	TAL BUF
Total/NA	Prep	8151A			452421	12/26/18 07:26	JMP	TAL BUF
Total/NA	Analysis	8151A		1	453082	12/30/18 20:35	MAN	TAL BUF
Total/NA	Prep	8151A	RE		453511	01/03/19 09:23	JMP	TAL BUF
Total/NA	Analysis	8151A	RE	1	455201	01/16/19 10:20	MAN	TAL BUF
Total/NA	Prep	3005A			452528	12/27/18 08:23	VEG	TAL BUF
Total/NA	Analysis	6010C		1	452945	12/28/18 12:22	AMH	TAL BUF
Total/NA	Prep	7470A			452485	12/26/18 11:20	BMB	TAL BUF
Total/NA	Analysis	7470A		1	452541	12/26/18 14:38	BMB	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-147238-9

Date Collected: 12/19/18 00:00

Matrix: Water

Date Received: 12/21/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	452614	12/27/18 12:31	NMC	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600
TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

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Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-19

Laboratory: TestAmerica Nashville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
A2LA	ISO/IEC 17025		0453.07	12-31-19
Alaska (UST)	State Program	10	UST-087	06-30-19
Arizona	State Program	9	AZ0473	05-05-19
Arkansas DEQ	State Program	6	88-0737	04-25-19
California	State Program	9	2938	06-30-19 *
Connecticut	State Program	1	PH-0220	12-31-19
Florida	NELAP	4	E87358	06-30-19
Georgia	State Program	4	NA: NELAP & A2LA	12-31-19
Illinois	NELAP	5	200010	12-09-18 *
Iowa	State Program	7	131	04-01-20
Kansas	NELAP	7	E-10229	10-31-19
Kentucky (UST)	State Program	4	19	06-30-19
Kentucky (WW)	State Program	4	90038	12-31-19
Louisiana	NELAP	6	30613	06-30-19
Maine	State Program	1	TN00032	11-03-19
Maryland	State Program	3	316	03-31-19
Massachusetts	State Program	1	M-TN032	06-30-19
Minnesota	NELAP	5	047-999-345	12-31-19
Mississippi	State Program	4	N/A	06-30-19
Montana (UST)	State Program	8	NA	02-24-20
Nevada	State Program	9	TN00032	07-31-19
New Hampshire	NELAP	1	2963	10-09-19
New Jersey	NELAP	2	TN965	06-30-19
New York	NELAP	2	11342	03-31-19
North Carolina (WW/SW)	State Program	4	387	12-31-19
North Dakota	State Program	8	R-146	06-30-19
Ohio VAP	State Program	5	CL0033	07-06-19
Oklahoma	State Program	6	9412	08-31-19
Oregon	NELAP	10	TN200001	04-26-19
Pennsylvania	NELAP	3	68-00585	07-31-19
Rhode Island	State Program	1	LAO00268	12-30-19
South Carolina	State Program	4	84009 (001)	02-28-19
Tennessee	State Program	4	2008	02-23-20
Texas	NELAP	6	T104704077	08-31-19
USDA	Federal		P330-13-00306	12-01-19
Utah	NELAP	8	TN00032	07-31-19
Virginia	NELAP	3	460152	06-14-19
Washington	State Program	10	C789	07-19-19
West Virginia DEP	State Program	3	219	02-28-19
Wisconsin	State Program	5	998020430	08-31-19
Wyoming (UST)	A2LA	8	453.07	12-31-19

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Buffalo

Method Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Method	Method Description	Protocol	Laboratory
8260B SIM	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030B	Purge and Trap	SW846	TAL NSH
5030C	Purge and Trap	SW846	TAL BUF
7470A	Mercury in Liquid Waste (Manual Cold Vapor Technique)/Preparation	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Sample Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

TestAmerica Job ID: 480-147238-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-147238-1	MH-15	Water	12/19/18 09:45	12/21/18 16:30
480-147238-2	NW Main Building Vault	Water	12/19/18 12:20	12/21/18 16:30
480-147238-3	Middle Room Double Door Vault	Water	12/19/18 13:35	12/21/18 16:30
480-147238-4	Far Back Room Vault	Water	12/19/18 14:10	12/21/18 16:30
480-147238-5	Low Room Vault 3	Water	12/19/18 15:10	12/21/18 16:30
480-147238-6	Drain Room DI	Water	12/19/18 15:30	12/21/18 16:30
480-147238-7	Flammable Tent DI	Water	12/19/18 16:00	12/21/18 16:30
480-147238-8	DUP	Water	12/19/18 00:00	12/21/18 16:30
480-147238-9	Trip Blank	Water	12/19/18 00:00	12/21/18 16:30

TestAmerica Buffalo

10 Hazelwood Drive
Amherst, NY 14226-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client Information Company: Groundwater & Environmental Services Inc Address: 415 Lawrence Bell Drive Suite 6 City: Williamsville State: NY Zip: 14221 Phone: (716) 866-3590 Email: tpalmer@gesonline.com Project Name: Morgan Materials #915307 Site: S50W		Sampler: T. Palmer Lat PM: Johnson, Oriette S E-Mail: oriette.johnson@testamericainc.com Phone: (716) 866-3590 CallOut ID: 136307 Project #: 48015384 S50W		COC No: 480-122995-28182.1 Page: Page 1 of 4 Job #:	
Analysis Requested Due Date Requested: TAT Requested (days): 10-Days PO # CallOut ID: 136307 Project #: 48015384 S50W		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anhydrous H - Ascorbic Acid I - Ice Water J - DI Water K - EDTA L - EDA Other: M - Heptane N - None O - As/AsO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dithionite U - Acetone V - MCAA W - pH 4.5 Z - other (specify)			
Sample Identification MH-15 NW Main Building Vent Mobile Room Double Door Vent Fan Room Vent Low Room Vent Drum Room DI Flammable Tent DI Dup Trip Blank		Sample Date: 12-19-18 Sample Time: 945 Sample Type: G Matrix: Solid Preservation Code: G		Total Number of Containers: 18 8151A - Herbicides, TCLP list 8081B - Pesticides, TCLP list 8270D - Semivolatiles, TCLP list 8260C - Volatiles, TCLP list 8010C, 7470A, 8151A, 8270D 8260C - TCLP Volatiles 8260C - TCLP list OLM04.2 8010C, 7470A 8270D - TCL SVDA - OLM04.2 8260C - TCL PCBs - SOM01.0 8260C - TCL list OLM04.2 8082A, 8270D 8010C, 7471B Perform MS/MSD (Yes or No) Field Filtered Sample (Yes or No)	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months			
Empty Kit Relinquished by Relinquished by: [Signature] Date/Time: 12-19-18 11730 Company: GES		Special Instructions/QC Requirements Version of Segment: 12/21/18 1530 Date/Time: 12/21/18 1630 Company: VOB			
Custody Seal No. Custody Seal Intact: ☒ Yes ☐ No Cooler Temperature(s) °C and Other Remarks: 5.1, 5.5, 4.5, 4.1, 5.0		Ver: 08/04/2016			



COOLER RECEIPT FORM 480-147238 Chain of Custody

Cooler Received/Opened On 12/27/2018 @ 0950

Time Samples Removed From Cooler 13:02 Time Samples Placed In Storage 13:08 (2 Hour Window)

1. Tracking # 7091 (last 4 digits, FedEx) Courier: FedEx
IR Gun ID 17610176 pH Strip Lot _____ Chlorine Strip Lot _____

2. Temperature of rep. sample or temp blank when opened: 1.0 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 (Front)

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) J.J.

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA



Larger than this.

14. Was there a Trip Blank in this cooler? YES NO...NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (initial) J.J.

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) J.J.

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) J.J.

I certify that I attached a label with the unique LIMS number to each container (initial) J.J.

21. Were there Non-Conformance issues at login? YES NO Was a NCM generated? YES NO...# _____

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-147238-1

Login Number: 147238

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kinecki, Kenneth P

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GES
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

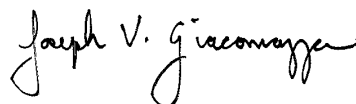
Laboratory Job ID: 480-153636-1

Client Project/Site: Morgan Materials #915307

For:

New York State D.E.C.
270 Michigan Avenue
Buffalo, New York 14203

Attn: Damianos Skaros



Authorized for release by:
6/10/2019 10:39:14 AM

Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

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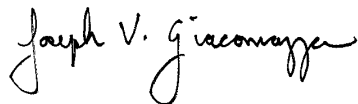
The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

- 1
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I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
6/10/2019 10:39:14 AM



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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
vs	Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A-L low-level specifications.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Job ID: 480-153636-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-153636-1

Comments

No additional comments.

Receipt

The sample was received on 5/15/2019 12:15 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.1° C.

GC/MS VOA

Method(s) 8260C: Due to the co-elution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) associated with analytical batch 480-473646. The following sample was affected : MIDDLE RM STEEL PLATE (480-153636-1).

Method(s) 8260C: The following samples were diluted due to the nature of the TCLP matrix: MIDDLE RM STEEL PLATE (480-153636-1), (LB 480-474869/1-A), (480-153636-A-1-B MS) and (480-153636-A-1-B MSD). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-474234 recovered above the upper control limit for Pentachlorophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: MIDDLE RM STEEL PLATE (480-153636-1).

Method(s) 8270D: The laboratory control sample (LCS) for preparation batch 480-473984 and analytical batch 480-474234 recovered outside control limits for the following analytes: Pentachlorophenol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following sample is impacted: MIDDLE RM STEEL PLATE (480-153636-1).

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

GC Semi VOA

Method(s) 8081B: The following sample was diluted due to the nature of the sample matrix: MIDDLE RM STEEL PLATE (480-153636-1). Elevated reporting limits (RLs) are provided.

Method(s) 8081B: All primary data for analytical batch 475238 is reported from the RTX-CLPI column.

Method(s) 8082A: The following sample was diluted to bring the concentration of target analytes within the calibration range: MIDDLE RM STEEL PLATE (480-153636-1). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: All primary data for analytical batch 474175 is reported from the ZB-5 column.

Method(s) 8082A: The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

Method(s) 8151A: Surrogate recovery for the following samples outside control limits: MIDDLE RM STEEL PLATE (480-153636-1) and (LB 480-474855/1-D). This is routine for TCLP herbicides, due to the pH effects created during the leaching process, inhibiting the herbicide derivatization of the free acid components.

Method(s) 8151A: The 2,4-Dichlorophenylacetic acid surrogate recovery for the following run was slightly outside acceptance limits (low biased) on the primary column: (MB 480-475075/1-A). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

Method(s) 8151A: All primary data for analytical batch 475310 is reported from the RTX-CLPI column.

Case Narrative

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Job ID: 480-153636-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

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

Metals

Method(s) 6010C: The following sample was diluted due to the presence of Iron which interferes with Total Silver, Cadmium, Chromium, Manganese, Nickel, Lead, Antimony, Thallium, and Vanadium: MIDDLE RM STEEL PLATE (480-153636-1). Elevated reporting limits (RLs) are provided.

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

Organic Prep

Method(s) 3550C: Due to the matrix, the following sample could not be concentrated to the final method required volume: MIDDLE RM STEEL PLATE (480-153636-1). The reporting limits (RLs) are elevated proportionately.

Method(s) 8151A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-474855 and 480-475075.

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

Detection Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Client Sample ID: MIDDLE RM STEEL PLATE

Lab Sample ID: 480-153636-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acetone	100	vs	34	5.7	ug/Kg	1		*	8260C	Total/NA
Chloroform	0.56	J vs	6.8	0.42	ug/Kg	1		*	8260C	Total/NA
Methylene Chloride	9.7	vs	6.8	3.1	ug/Kg	1		*	8260C	Total/NA
Benzo[b]fluoranthene	580	J	2300	370	ug/Kg	1		*	8270D	Total/NA
Benzo[g,h,i]perylene	300	J	2300	240	ug/Kg	1		*	8270D	Total/NA
Biphenyl	510	J	2300	340	ug/Kg	1		*	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	1400	J	2300	780	ug/Kg	1		*	8270D	Total/NA
Fluoranthene	510	J	2300	240	ug/Kg	1		*	8270D	Total/NA
Phenanthrene	380	J	2300	340	ug/Kg	1		*	8270D	Total/NA
PCB-1254	3.9		1.6	0.74	mg/Kg	5		*	8082A	Total/NA
Aluminum	493		69.6	30.6	mg/Kg	5		*	6010C	Total/NA
Antimony	50.3	J	209	5.6	mg/Kg	10		*	6010C	Total/NA
Arsenic	51.7		13.9	2.8	mg/Kg	5		*	6010C	Total/NA
Barium	64.5		3.5	0.77	mg/Kg	5		*	6010C	Total/NA
Cadmium	1.4	J	2.8	0.42	mg/Kg	10		*	6010C	Total/NA
Calcium	3710	B	348	23.0	mg/Kg	5		*	6010C	Total/NA
Chromium	312		7.0	2.8	mg/Kg	10		*	6010C	Total/NA
Cobalt	28.3		3.5	0.35	mg/Kg	5		*	6010C	Total/NA
Copper	376		7.0	1.5	mg/Kg	5		*	6010C	Total/NA
Iron	576000	B	139	48.7	mg/Kg	10		*	6010C	Total/NA
Lead	38.3		13.9	3.3	mg/Kg	10		*	6010C	Total/NA
Magnesium	803		139	6.5	mg/Kg	5		*	6010C	Total/NA
Manganese	3370	B	2.8	0.45	mg/Kg	10		*	6010C	Total/NA
Nickel	268		69.6	3.2	mg/Kg	10		*	6010C	Total/NA
Potassium	185	J	209	139	mg/Kg	5		*	6010C	Total/NA
Vanadium	12.1		7.0	1.5	mg/Kg	10		*	6010C	Total/NA
Zinc	93.4		13.9	4.5	mg/Kg	5		*	6010C	Total/NA
Barium	1.1		1.0	0.10	mg/L	1			6010C	TCLP
Cadmium	0.0034		0.0020	0.00050	mg/L	1			6010C	TCLP
Lead	0.0038	J	0.020	0.0030	mg/L	1			6010C	TCLP
Hg	0.046		0.029	0.012	mg/Kg	1		*	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Client Sample ID: MIDDLE RM STEEL PLATE

Lab Sample ID: 480-153636-1

Date Collected: 05/15/19 11:00

Matrix: Solid

Date Received: 05/15/19 12:15

Percent Solids: 71.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	6.8	0.50	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
1,1,2,2-Tetrachloroethane	ND	vs	6.8	1.1	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
1,1,2-Trichloroethane	ND	vs	6.8	0.89	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.8	1.6	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
1,1-Dichloroethane	ND	vs	6.8	0.83	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
1,1-Dichloroethene	ND	vs	6.8	0.84	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
1,2,4-Trichlorobenzene	ND	vs	6.8	0.42	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.8	3.4	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
1,2-Dichlorobenzene	ND	vs	6.8	0.53	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
1,2-Dichloroethane	ND	vs	6.8	0.34	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
1,2-Dichloropropane	ND	vs	6.8	3.4	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
1,3-Dichlorobenzene	ND	vs	6.8	0.35	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
1,4-Dichlorobenzene	ND	vs	6.8	0.96	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
2-Butanone (MEK)	ND	vs *	34	2.5	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
2-Hexanone	ND	vs	34	3.4	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
4-Methyl-2-pentanone (MIBK)	ND	vs	34	2.2	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Acetone	100	vs	34	5.7	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Benzene	ND	vs	6.8	0.33	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Bromodichloromethane	ND	vs	6.8	0.91	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Bromoform	ND	vs	6.8	3.4	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Bromomethane	ND	vs	6.8	0.61	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Carbon disulfide	ND	vs	6.8	3.4	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Carbon tetrachloride	ND	vs	6.8	0.66	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Chlorobenzene	ND	vs	6.8	0.90	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Dibromochloromethane	ND	vs	6.8	0.87	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Chloroethane	ND	vs	6.8	1.5	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Chloroform	0.56	J vs	6.8	0.42	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Chloromethane	ND	vs	6.8	0.41	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
cis-1,2-Dichloroethene	ND	vs	6.8	0.87	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
cis-1,3-Dichloropropene	ND	vs	6.8	0.98	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Cyclohexane	ND	vs	6.8	0.96	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Dichlorodifluoromethane	ND	vs	6.8	0.56	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Ethylbenzene	ND	vs	6.8	0.47	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
1,2-Dibromoethane	ND	vs	6.8	0.88	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Isopropylbenzene	ND	vs	6.8	1.0	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Methyl acetate	ND	vs	34	4.1	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Methyl tert-butyl ether	ND	vs	6.8	0.67	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Methylcyclohexane	ND	vs	6.8	1.0	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Methylene Chloride	9.7	vs	6.8	3.1	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Styrene	ND	vs	6.8	0.34	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Tetrachloroethene	ND	vs	6.8	0.92	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Toluene	ND	vs	6.8	0.52	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
trans-1,2-Dichloroethene	ND	vs	6.8	0.70	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
trans-1,3-Dichloropropene	ND	vs	6.8	3.0	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Trichloroethene	ND	vs	6.8	1.5	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Trichlorofluoromethane	ND	vs	6.8	0.65	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Vinyl chloride	ND	vs	6.8	0.83	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1
Xylenes, Total	ND	vs	14	1.1	ug/Kg	☼	05/20/19 10:24	05/20/19 17:27	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Client Sample ID: MIDDLE RM STEEL PLATE

Lab Sample ID: 480-153636-1

Date Collected: 05/15/19 11:00

Matrix: Solid

Date Received: 05/15/19 12:15

Percent Solids: 71.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		71 - 125	05/20/19 10:24	05/20/19 17:27	1
1,2-Dichloroethane-d4 (Surr)	101		64 - 126	05/20/19 10:24	05/20/19 17:27	1
4-Bromofluorobenzene (Surr)	102		72 - 126	05/20/19 10:24	05/20/19 17:27	1
Dibromofluoromethane (Surr)	104		60 - 140	05/20/19 10:24	05/20/19 17:27	1

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/29/19 13:28	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/29/19 13:28	10
Benzene	ND		0.010	0.0041	mg/L			05/29/19 13:28	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/29/19 13:28	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/29/19 13:28	10
Chloroform	ND		0.010	0.0034	mg/L			05/29/19 13:28	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/29/19 13:28	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/29/19 13:28	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/29/19 13:28	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/29/19 13:28	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		05/29/19 13:28	10
4-Bromofluorobenzene (Surr)	104		73 - 120		05/29/19 13:28	10
Toluene-d8 (Surr)	101		80 - 120		05/29/19 13:28	10
Dibromofluoromethane (Surr)	98		75 - 123		05/29/19 13:28	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		2300	620	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1
2,4,6-Trichlorophenol	ND		2300	460	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1
2,4-Dichlorophenol	ND		2300	240	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1
2,4-Dimethylphenol	ND		2300	550	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1
2,4-Dinitrophenol	ND		22000	11000	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1
2,4-Dinitrotoluene	ND		2300	470	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1
2,6-Dinitrotoluene	ND		2300	270	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1
2-Chloronaphthalene	ND		2300	380	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1
2-Chlorophenol	ND		2300	420	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1
2-Methylnaphthalene	ND		2300	460	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1
2-Methylphenol	ND		2300	270	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1
2-Nitroaniline	ND		4500	340	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1
2-Nitrophenol	ND		2300	650	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1
3,3'-Dichlorobenzidine	ND		4500	2700	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1
3-Nitroaniline	ND		4500	640	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1
4,6-Dinitro-2-methylphenol	ND		4500	2300	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1
4-Bromophenyl phenyl ether	ND		2300	320	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1
4-Chloro-3-methylphenol	ND		2300	570	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1
4-Chloroaniline	ND		2300	570	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1
4-Chlorophenyl phenyl ether	ND		2300	280	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1
Methylphenol, 3 & 4	ND		4500	270	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1
4-Nitroaniline	ND		4500	1200	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1
4-Nitrophenol	ND		4500	1600	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1
Acenaphthene	ND		2300	340	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1
Acenaphthylene	ND		2300	300	ug/Kg	✱	05/21/19 15:13	05/23/19 02:19	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Client Sample ID: MIDDLE RM STEEL PLATE

Lab Sample ID: 480-153636-1

Date Collected: 05/15/19 11:00

Matrix: Solid

Date Received: 05/15/19 12:15

Percent Solids: 71.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		2300	310	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Anthracene	ND		2300	570	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Atrazine	ND		2300	800	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Benzaldehyde	ND		2300	1800	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Benzo[a]anthracene	ND		2300	230	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Benzo[a]pyrene	ND		2300	340	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Benzo[b]fluoranthene	580	J	2300	370	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Benzo[g,h,i]perylene	300	J	2300	240	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Benzo[k]fluoranthene	ND		2300	300	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Biphenyl	510	J	2300	340	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
bis (2-chloroisopropyl) ether	ND		2300	460	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Bis(2-chloroethoxy)methane	ND		2300	490	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Bis(2-chloroethyl)ether	ND		2300	300	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Bis(2-ethylhexyl) phthalate	1400	J	2300	780	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Butyl benzyl phthalate	ND		2300	380	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Caprolactam	ND		2300	690	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Carbazole	ND		2300	270	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Chrysene	ND		2300	510	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Dibenz(a,h)anthracene	ND		2300	410	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Dibenzofuran	ND		2300	270	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Diethyl phthalate	ND		2300	300	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Dimethyl phthalate	ND		2300	270	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Di-n-butyl phthalate	ND		2300	390	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Di-n-octyl phthalate	ND		2300	270	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Fluoranthene	510	J	2300	240	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Fluorene	ND		2300	270	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Hexachlorobenzene	ND		2300	310	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Hexachlorobutadiene	ND		2300	340	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Hexachlorocyclopentadiene	ND		2300	310	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Hexachloroethane	ND		2300	300	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Indeno[1,2,3-cd]pyrene	ND		2300	280	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Isophorone	ND		2300	490	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Naphthalene	ND		2300	300	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Nitrobenzene	ND		2300	260	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
N-Nitrosodi-n-propylamine	ND		2300	390	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
N-Nitrosodiphenylamine	ND		2300	1900	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Pentachlorophenol	ND *		4500	2300	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Phenanthrene	380	J	2300	340	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Phenol	ND		2300	350	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Pyrene	ND		2300	270	ug/Kg	☼	05/21/19 15:13	05/23/19 02:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	104		54 - 120				05/21/19 15:13	05/23/19 02:19	1
2-Fluorobiphenyl	94		60 - 120				05/21/19 15:13	05/23/19 02:19	1
2-Fluorophenol (Surr)	83		52 - 120				05/21/19 15:13	05/23/19 02:19	1
Nitrobenzene-d5 (Surr)	95		53 - 120				05/21/19 15:13	05/23/19 02:19	1
Phenol-d5 (Surr)	89		54 - 120				05/21/19 15:13	05/23/19 02:19	1
p-Terphenyl-d14 (Surr)	109		65 - 121				05/21/19 15:13	05/23/19 02:19	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Client Sample ID: MIDDLE RM STEEL PLATE

Lab Sample ID: 480-153636-1

Date Collected: 05/15/19 11:00

Matrix: Solid

Date Received: 05/15/19 12:15

Percent Solids: 71.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		05/29/19 16:38	05/30/19 22:46	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		05/29/19 16:38	05/30/19 22:46	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		05/29/19 16:38	05/30/19 22:46	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		05/29/19 16:38	05/30/19 22:46	1
2-Methylphenol	ND		0.020	0.0016	mg/L		05/29/19 16:38	05/30/19 22:46	1
3-Methylphenol	ND		0.040	0.0016	mg/L		05/29/19 16:38	05/30/19 22:46	1
4-Methylphenol	ND		0.040	0.0014	mg/L		05/29/19 16:38	05/30/19 22:46	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		05/29/19 16:38	05/30/19 22:46	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		05/29/19 16:38	05/30/19 22:46	1
Hexachloroethane	ND		0.020	0.0023	mg/L		05/29/19 16:38	05/30/19 22:46	1
Nitrobenzene	ND		0.020	0.0011	mg/L		05/29/19 16:38	05/30/19 22:46	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		05/29/19 16:38	05/30/19 22:46	1
Pyridine	ND		0.10	0.0016	mg/L		05/29/19 16:38	05/30/19 22:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	87		41 - 120	05/29/19 16:38	05/30/19 22:46	1
2-Fluorobiphenyl	96		48 - 120	05/29/19 16:38	05/30/19 22:46	1
2-Fluorophenol (Surr)	51		35 - 120	05/29/19 16:38	05/30/19 22:46	1
Nitrobenzene-d5 (Surr)	91		46 - 120	05/29/19 16:38	05/30/19 22:46	1
p-Terphenyl-d14 (Surr)	85		59 - 136	05/29/19 16:38	05/30/19 22:46	1
Phenol-d5 (Surr)	35		22 - 120	05/29/19 16:38	05/30/19 22:46	1

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0040	0.000058	mg/L		05/29/19 10:18	05/30/19 12:28	2
Endrin	ND		0.00040	0.000028	mg/L		05/29/19 10:18	05/30/19 12:28	2
gamma-BHC (Lindane)	ND		0.00040	0.000012	mg/L		05/29/19 10:18	05/30/19 12:28	2
Heptachlor	ND		0.00040	0.000017	mg/L		05/29/19 10:18	05/30/19 12:28	2
Heptachlor epoxide	ND		0.00040	0.000011	mg/L		05/29/19 10:18	05/30/19 12:28	2
Methoxychlor	ND		0.00040	0.000028	mg/L		05/29/19 10:18	05/30/19 12:28	2
Toxaphene	ND		0.0040	0.00024	mg/L		05/29/19 10:18	05/30/19 12:28	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	66		20 - 120	05/29/19 10:18	05/30/19 12:28	2
DCB Decachlorobiphenyl	70		20 - 120	05/29/19 10:18	05/30/19 12:28	2
Tetrachloro-m-xylene	65		44 - 120	05/29/19 10:18	05/30/19 12:28	2
Tetrachloro-m-xylene	69		44 - 120	05/29/19 10:18	05/30/19 12:28	2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		1.6	0.31	mg/Kg	✱	05/21/19 06:35	05/22/19 18:10	5
PCB-1221	ND		1.6	0.31	mg/Kg	✱	05/21/19 06:35	05/22/19 18:10	5
PCB-1232	ND		1.6	0.31	mg/Kg	✱	05/21/19 06:35	05/22/19 18:10	5
PCB-1242	ND		1.6	0.31	mg/Kg	✱	05/21/19 06:35	05/22/19 18:10	5
PCB-1248	ND		1.6	0.31	mg/Kg	✱	05/21/19 06:35	05/22/19 18:10	5
PCB-1254	3.9		1.6	0.74	mg/Kg	✱	05/21/19 06:35	05/22/19 18:10	5
PCB-1260	ND		1.6	0.74	mg/Kg	✱	05/21/19 06:35	05/22/19 18:10	5
PCB-1262	ND		1.6	0.74	mg/Kg	✱	05/21/19 06:35	05/22/19 18:10	5
PCB-1268	ND		1.6	0.74	mg/Kg	✱	05/21/19 06:35	05/22/19 18:10	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Client Sample ID: MIDDLE RM STEEL PLATE

Lab Sample ID: 480-153636-1

Date Collected: 05/15/19 11:00

Matrix: Solid

Date Received: 05/15/19 12:15

Percent Solids: 71.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	87		60 - 154	05/21/19 06:35	05/22/19 18:10	5
Tetrachloro-m-xylene	89		60 - 154	05/21/19 06:35	05/22/19 18:10	5
DCB Decachlorobiphenyl	89		65 - 174	05/21/19 06:35	05/22/19 18:10	5
DCB Decachlorobiphenyl	100		65 - 174	05/21/19 06:35	05/22/19 18:10	5

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		05/29/19 10:29	05/30/19 20:23	1
2,4-D	ND		0.0020	0.00040	mg/L		05/29/19 10:29	05/30/19 20:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	24	X	48 - 132	05/29/19 10:29	05/30/19 20:23	1
2,4-Dichlorophenylacetic acid	28	X	48 - 132	05/29/19 10:29	05/30/19 20:23	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	493		69.6	30.6	mg/Kg	☆	05/21/19 10:20	05/22/19 21:01	5
Antimony	50.3	J	209	5.6	mg/Kg	☆	05/21/19 10:20	05/23/19 13:56	10
Arsenic	51.7		13.9	2.8	mg/Kg	☆	05/21/19 10:20	05/22/19 21:01	5
Barium	64.5		3.5	0.77	mg/Kg	☆	05/21/19 10:20	05/22/19 21:01	5
Beryllium	ND		1.4	0.19	mg/Kg	☆	05/21/19 10:20	05/22/19 21:01	5
Cadmium	1.4	J	2.8	0.42	mg/Kg	☆	05/21/19 10:20	05/23/19 13:56	10
Calcium	3710	B	348	23.0	mg/Kg	☆	05/21/19 10:20	05/22/19 21:01	5
Chromium	312		7.0	2.8	mg/Kg	☆	05/21/19 10:20	05/23/19 13:56	10
Cobalt	28.3		3.5	0.35	mg/Kg	☆	05/21/19 10:20	05/22/19 21:01	5
Copper	376		7.0	1.5	mg/Kg	☆	05/21/19 10:20	05/22/19 21:01	5
Iron	576000	B	139	48.7	mg/Kg	☆	05/21/19 10:20	05/23/19 13:56	10
Lead	38.3		13.9	3.3	mg/Kg	☆	05/21/19 10:20	05/23/19 13:56	10
Magnesium	803		139	6.5	mg/Kg	☆	05/21/19 10:20	05/22/19 21:01	5
Manganese	3370	B	2.8	0.45	mg/Kg	☆	05/21/19 10:20	05/23/19 13:56	10
Nickel	268		69.6	3.2	mg/Kg	☆	05/21/19 10:20	05/23/19 13:56	10
Potassium	185	J	209	139	mg/Kg	☆	05/21/19 10:20	05/22/19 21:01	5
Selenium	ND		27.8	2.8	mg/Kg	☆	05/21/19 10:20	05/22/19 21:01	5
Silver	ND		8.4	2.8	mg/Kg	☆	05/21/19 10:20	05/23/19 13:56	10
Sodium	ND		975	90.5	mg/Kg	☆	05/21/19 10:20	05/22/19 21:01	5
Thallium	ND		41.8	2.1	mg/Kg	☆	05/21/19 10:20	05/22/19 21:01	5
Vanadium	12.1		7.0	1.5	mg/Kg	☆	05/21/19 10:20	05/23/19 13:56	10
Zinc	93.4		13.9	4.5	mg/Kg	☆	05/21/19 10:20	05/22/19 21:01	5

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/29/19 11:14	05/30/19 19:01	1
Barium	1.1		1.0	0.10	mg/L		05/29/19 11:14	05/30/19 19:01	1
Cadmium	0.0034		0.0020	0.00050	mg/L		05/29/19 11:14	05/30/19 19:01	1
Chromium	ND		0.020	0.010	mg/L		05/29/19 11:14	05/30/19 19:01	1
Lead	0.0038	J	0.020	0.0030	mg/L		05/29/19 11:14	05/30/19 19:01	1
Selenium	ND		0.025	0.0087	mg/L		05/29/19 11:14	05/30/19 19:01	1
Silver	ND		0.0060	0.0017	mg/L		05/29/19 11:14	05/30/19 19:01	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Client Sample ID: MIDDLE RM STEEL PLATE

Lab Sample ID: 480-153636-1

Date Collected: 05/15/19 11:00

Matrix: Solid

Date Received: 05/15/19 12:15

Percent Solids: 71.8

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	—	05/29/19 11:58	05/29/19 15:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.046		0.029	0.012	mg/Kg	☼	05/21/19 15:23	05/21/19 16:34	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (71-125)	DCA (64-126)	BFB (72-126)	DBFM (60-140)
480-153636-1	MIDDLE RM STEEL PLATE	101	101	102	104
LCS 480-473698/1-A	Lab Control Sample	97	107	106	102
MB 480-473698/3-A	Method Blank	98	104	102	105

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (80-120)	DCA (77-120)	BFB (73-120)	DBFM (75-123)
LCS 480-475057/5	Lab Control Sample	100	103	101	105
MB 480-475057/7	Method Blank	101	100	101	101

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-153636-1	MIDDLE RM STEEL PLATE	105	104	101	98
480-153636-1 MS	MIDDLE RM STEEL PLATE	100	99	101	100
480-153636-1 MSD	MIDDLE RM STEEL PLATE	102	102	102	103
LB 480-474869/1-A	Method Blank	104	104	99	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (54-120)	FBP (60-120)	2FP (52-120)	NBZ (53-120)	PHL (54-120)	TPHd14 (65-121)
480-153636-1	MIDDLE RM STEEL PLATE	104	94	83	95	89	109
LCS 480-473984/2-A	Lab Control Sample	101	92	78	91	81	104
MB 480-473984/1-A	Method Blank	85	95	79	92	82	102

Surrogate Legend

Eurofins TestAmerica, Buffalo

Surrogate Summary

Client: New York State D.E.C.

Job ID: 480-153636-1

Project/Site: Morgan Materials #915307

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	PHL (22-120)	TPHd14 (59-136)
LCS 480-475168/2-A	Lab Control Sample	77	79	42	77	30	88
MB 480-475168/1-A	Method Blank	76	98	52	94	36	107

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	TPHd14 (59-136)	PHL (22-120)
480-153636-1	MIDDLE RM STEEL PLATE	87	96	51	91	85	35
LB 480-474855/1-F	Method Blank	81	92	51	90	105	34

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

PHL = Phenol-d5 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (20-120)	DCBP2 (20-120)	TCX1 (44-120)	TCX2 (44-120)
LCS 480-475056/2-A	Lab Control Sample	65	62	87	75
MB 480-475056/1-A	Method Blank	63	63	89	74

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (20-120)	DCBP2 (20-120)	TCX1 (44-120)	TCX2 (44-120)
480-153636-1	MIDDLE RM STEEL PLATE	66	70	65	69
LB 480-474855/1-B	Method Blank	78	79	88	71

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-153636-1	MIDDLE RM STEEL PLATE	87	89	89	100
LCS 480-473820/2-A	Lab Control Sample	130	104	136	119
MB 480-473820/1-A	Method Blank	110	88	116	93

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1 (48-132)	DCPAA2 (48-132)
LCS 480-475075/2-A	Lab Control Sample	58	68
LCSD 480-475075/3-A	Lab Control Sample Dup	48	47 X
MB 480-475075/1-A	Method Blank	46 X	51

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1 (48-132)	DCPAA2 (48-132)
480-153636-1	MIDDLE RM STEEL PLATE	24 X	28 X
LB 480-474855/1-D	Method Blank	34 X	32 X

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-473698/3-A

Matrix: Solid

Analysis Batch: 473646

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473698

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
2-Hexanone	ND		25	2.5	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Acetone	ND		25	4.2	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Benzene	ND		5.0	0.25	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Bromoform	ND		5.0	2.5	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Bromomethane	ND		5.0	0.45	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Chloroethane	ND		5.0	1.1	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Chloroform	ND		5.0	0.31	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Chloromethane	ND		5.0	0.30	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Cyclohexane	ND		5.0	0.70	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Methyl acetate	ND		25	3.0	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Styrene	ND		5.0	0.25	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Toluene	ND		5.0	0.38	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Trichloroethene	ND		5.0	1.1	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Xylenes, Total	ND		10	0.84	ug/Kg		05/20/19 10:24	05/20/19 12:12	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-473698/3-A

Matrix: Solid

Analysis Batch: 473646

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473698

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		71 - 125	05/20/19 10:24	05/20/19 12:12	1
1,2-Dichloroethane-d4 (Surr)	104		64 - 126	05/20/19 10:24	05/20/19 12:12	1
4-Bromofluorobenzene (Surr)	102		72 - 126	05/20/19 10:24	05/20/19 12:12	1
Dibromofluoromethane (Surr)	105		60 - 140	05/20/19 10:24	05/20/19 12:12	1

Lab Sample ID: LCS 480-473698/1-A

Matrix: Solid

Analysis Batch: 473646

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	46.3		ug/Kg		93	77 - 121
1,1,2,2-Tetrachloroethane	50.0	43.0		ug/Kg		86	80 - 120
1,1,2-Trichloroethane	50.0	44.5		ug/Kg		89	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	48.2		ug/Kg		96	60 - 140
1,1-Dichloroethane	50.0	47.1		ug/Kg		94	73 - 126
1,2,4-Trichlorobenzene	50.0	44.2		ug/Kg		88	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	42.7		ug/Kg		85	63 - 124
1,2-Dichlorobenzene	50.0	43.6		ug/Kg		87	75 - 120
1,2-Dichloroethane	50.0	44.1		ug/Kg		88	77 - 122
1,2-Dichloropropane	50.0	45.5		ug/Kg		91	75 - 124
1,3-Dichlorobenzene	50.0	43.7		ug/Kg		87	74 - 120
1,1-Dichloroethene	50.0	46.6		ug/Kg		93	59 - 125
1,4-Dichlorobenzene	50.0	44.1		ug/Kg		88	73 - 120
2-Butanone (MEK)	250	391	*	ug/Kg		156	70 - 134
2-Hexanone	250	226		ug/Kg		90	59 - 130
4-Methyl-2-pentanone (MIBK)	250	224		ug/Kg		90	65 - 133
Acetone	250	217		ug/Kg		87	61 - 137
Benzene	50.0	46.0		ug/Kg		92	79 - 127
Bromodichloromethane	50.0	46.0		ug/Kg		92	80 - 122
Bromoform	50.0	48.9		ug/Kg		98	68 - 126
Bromomethane	50.0	46.6		ug/Kg		93	37 - 149
Carbon disulfide	50.0	45.8		ug/Kg		92	64 - 131
Carbon tetrachloride	50.0	47.2		ug/Kg		94	75 - 135
Chlorobenzene	50.0	45.2		ug/Kg		90	76 - 124
Dibromochloromethane	50.0	46.9		ug/Kg		94	76 - 125
Chloroethane	50.0	46.1		ug/Kg		92	69 - 135
Chloroform	50.0	45.4		ug/Kg		91	80 - 120
Chloromethane	50.0	47.2		ug/Kg		94	63 - 127
cis-1,2-Dichloroethene	50.0	46.1		ug/Kg		92	81 - 120
cis-1,3-Dichloropropene	50.0	45.7		ug/Kg		91	80 - 120
Cyclohexane	50.0	44.1		ug/Kg		88	65 - 120
Dichlorodifluoromethane	50.0	53.8		ug/Kg		108	57 - 142
Ethylbenzene	50.0	45.0		ug/Kg		90	80 - 120
1,2-Dibromoethane	50.0	45.1		ug/Kg		90	78 - 120
Isopropylbenzene	50.0	42.2		ug/Kg		84	72 - 120
Methyl acetate	100	86.3		ug/Kg		86	55 - 136
Methyl tert-butyl ether	50.0	44.2		ug/Kg		88	63 - 125
Methylcyclohexane	50.0	44.6		ug/Kg		89	60 - 140

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-473698/1-A

Matrix: Solid

Analysis Batch: 473646

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	50.0	42.0		ug/Kg		84	61 - 127
Styrene	50.0	44.1		ug/Kg		88	80 - 120
Tetrachloroethene	50.0	47.3		ug/Kg		95	74 - 122
Toluene	50.0	43.5		ug/Kg		87	74 - 128
trans-1,2-Dichloroethene	50.0	46.7		ug/Kg		93	78 - 126
trans-1,3-Dichloropropene	50.0	44.5		ug/Kg		89	73 - 123
Trichloroethene	50.0	47.3		ug/Kg		95	77 - 129
Trichlorofluoromethane	50.0	49.5		ug/Kg		99	65 - 146
Vinyl chloride	50.0	48.3		ug/Kg		97	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	97		71 - 125
1,2-Dichloroethane-d4 (Surr)	107		64 - 126
4-Bromofluorobenzene (Surr)	106		72 - 126
Dibromofluoromethane (Surr)	102		60 - 140

Lab Sample ID: MB 480-475057/7

Matrix: Solid

Analysis Batch: 475057

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			05/29/19 12:31	1
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			05/29/19 12:31	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			05/29/19 12:31	1
Benzene	ND		0.0010	0.00041	mg/L			05/29/19 12:31	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			05/29/19 12:31	1
Chlorobenzene	ND		0.0010	0.00075	mg/L			05/29/19 12:31	1
Chloroform	ND		0.0010	0.00034	mg/L			05/29/19 12:31	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			05/29/19 12:31	1
Trichloroethene	ND		0.0010	0.00046	mg/L			05/29/19 12:31	1
Vinyl chloride	ND		0.0010	0.00090	mg/L			05/29/19 12:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		05/29/19 12:31	1
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		05/29/19 12:31	1
4-Bromofluorobenzene (Surr)	101		73 - 120		05/29/19 12:31	1
Dibromofluoromethane (Surr)	101		75 - 123		05/29/19 12:31	1

Lab Sample ID: LCS 480-475057/5

Matrix: Solid

Analysis Batch: 475057

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	0.0250	0.0261		mg/L		104	75 - 120
1,1-Dichloroethene	0.0250	0.0247		mg/L		99	66 - 127
2-Butanone (MEK)	0.125	0.132		mg/L		106	57 - 140
Benzene	0.0250	0.0270		mg/L		108	71 - 124
Carbon tetrachloride	0.0250	0.0223		mg/L		89	72 - 134

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-475057/5

Matrix: Solid

Analysis Batch: 475057

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	0.0250	0.0254		mg/L		102	80 - 120
Chloroform	0.0250	0.0229		mg/L		92	73 - 127
Tetrachloroethene	0.0250	0.0239		mg/L		95	74 - 122
Trichloroethene	0.0250	0.0258		mg/L		103	74 - 123
Vinyl chloride	0.0250	0.0288		mg/L		115	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
4-Bromofluorobenzene (Surr)	101		73 - 120
Dibromofluoromethane (Surr)	105		75 - 123

Lab Sample ID: LB 480-474869/1-A

Matrix: Solid

Analysis Batch: 475057

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/29/19 13:05	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/29/19 13:05	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/29/19 13:05	10
Benzene	ND		0.010	0.0041	mg/L			05/29/19 13:05	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/29/19 13:05	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/29/19 13:05	10
Chloroform	ND		0.010	0.0034	mg/L			05/29/19 13:05	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/29/19 13:05	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/29/19 13:05	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/29/19 13:05	10

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		05/29/19 13:05	10
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		05/29/19 13:05	10
4-Bromofluorobenzene (Surr)	104		73 - 120		05/29/19 13:05	10
Dibromofluoromethane (Surr)	101		75 - 123		05/29/19 13:05	10

Lab Sample ID: 480-153636-1 MS

Matrix: Solid

Analysis Batch: 475057

Client Sample ID: MIDDLE RM STEEL PLATE

Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	ND		0.250	0.254		mg/L		101	75 - 120
1,1-Dichloroethene	ND		0.250	0.237		mg/L		95	66 - 127
2-Butanone (MEK)	ND		1.25	1.26		mg/L		101	57 - 140
Benzene	ND		0.250	0.253		mg/L		101	71 - 124
Carbon tetrachloride	ND		0.250	0.214		mg/L		85	72 - 134
Chlorobenzene	ND		0.250	0.252		mg/L		101	80 - 120
Chloroform	ND		0.250	0.222		mg/L		89	73 - 127
Tetrachloroethene	ND		0.250	0.247		mg/L		99	74 - 122
Trichloroethene	ND		0.250	0.245		mg/L		98	74 - 123

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-153636-1 MS

Matrix: Solid

Analysis Batch: 475057

Client Sample ID: MIDDLE RM STEEL PLATE

Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	ND		0.250	0.251		mg/L		100	65 - 133
Surrogate	MS %Recovery	MS Qualifier	Limits						
Toluene-d8 (Surr)	101		80 - 120						
1,2-Dichloroethane-d4 (Surr)	100		77 - 120						
4-Bromofluorobenzene (Surr)	99		73 - 120						
Dibromofluoromethane (Surr)	100		75 - 123						

Lab Sample ID: 480-153636-1 MSD

Matrix: Solid

Analysis Batch: 475057

Client Sample ID: MIDDLE RM STEEL PLATE

Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloroethane	ND		0.250	0.261		mg/L		104	75 - 120	3	20
1,1-Dichloroethene	ND		0.250	0.242		mg/L		97	66 - 127	2	16
2-Butanone (MEK)	ND		1.25	1.25		mg/L		100	57 - 140	1	20
Benzene	ND		0.250	0.269		mg/L		108	71 - 124	6	13
Carbon tetrachloride	ND		0.250	0.226		mg/L		90	72 - 134	5	15
Chlorobenzene	ND		0.250	0.266		mg/L		107	80 - 120	5	25
Chloroform	ND		0.250	0.235		mg/L		94	73 - 127	6	20
Tetrachloroethene	ND		0.250	0.260		mg/L		104	74 - 122	5	20
Trichloroethene	ND		0.250	0.259		mg/L		104	74 - 123	5	16
Vinyl chloride	ND		0.250	0.274		mg/L		109	65 - 133	9	15
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Toluene-d8 (Surr)	102		80 - 120								
1,2-Dichloroethane-d4 (Surr)	102		77 - 120								
4-Bromofluorobenzene (Surr)	102		73 - 120								
Dibromofluoromethane (Surr)	103		75 - 123								

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-473984/1-A

Matrix: Solid

Analysis Batch: 474234

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473984

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		170	45	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2,4,6-Trichlorophenol	ND		170	34	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2,4-Dimethylphenol	ND		170	40	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2,4-Dinitrophenol	ND		1600	770	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2,4-Dinitrotoluene	ND		170	35	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2-Chloronaphthalene	ND		170	28	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2-Chlorophenol	ND		170	31	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2-Methylnaphthalene	ND		170	34	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2-Methylphenol	ND		170	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-473984/1-A

Matrix: Solid

Analysis Batch: 474234

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473984

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		330	25	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2-Nitrophenol	ND		170	47	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
3,3'-Dichlorobenzidine	ND		330	200	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
3-Nitroaniline	ND		330	46	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
4,6-Dinitro-2-methylphenol	ND		330	170	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
4-Bromophenyl phenyl ether	ND		170	24	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
4-Chloro-3-methylphenol	ND		170	41	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
4-Chloroaniline	ND		170	41	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Methylphenol, 3 & 4	ND		330	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
4-Nitroaniline	ND		330	88	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
4-Nitrophenol	ND		330	120	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Acenaphthene	ND		170	25	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Acenaphthylene	ND		170	22	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Acetophenone	ND		170	23	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Anthracene	ND		170	41	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Atrazine	ND		170	58	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Benzaldehyde	ND		170	130	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Benzo[a]anthracene	ND		170	17	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Benzo[a]pyrene	ND		170	25	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Benzo[b]fluoranthene	ND		170	27	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Biphenyl	ND		170	25	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
bis (2-chloroisopropyl) ether	ND		170	34	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Bis(2-chloroethoxy)methane	ND		170	36	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Bis(2-chloroethyl)ether	ND		170	22	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Bis(2-ethylhexyl) phthalate	ND		170	57	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Butyl benzyl phthalate	ND		170	28	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Caprolactam	ND		170	50	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Carbazole	ND		170	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Chrysene	ND		170	37	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Dibenz(a,h)anthracene	ND		170	30	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Dibenzofuran	ND		170	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Diethyl phthalate	ND		170	22	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Dimethyl phthalate	ND		170	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Di-n-butyl phthalate	ND		170	29	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Fluoranthene	ND		170	18	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Fluorene	ND		170	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Hexachlorobenzene	ND		170	23	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Hexachlorobutadiene	ND		170	25	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Hexachlorocyclopentadiene	ND		170	23	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Hexachloroethane	ND		170	22	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Isophorone	ND		170	36	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Naphthalene	ND		170	22	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Nitrobenzene	ND		170	19	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
N-Nitrosodi-n-propylamine	ND		170	29	ug/Kg		05/21/19 15:13	05/23/19 00:18	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-473984/1-A

Matrix: Solid

Analysis Batch: 474234

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473984

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		170	140	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Pentachlorophenol	ND		330	170	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Phenanthrene	ND		170	25	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Phenol	ND		170	26	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Pyrene	ND		170	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		54 - 120	05/21/19 15:13	05/23/19 00:18	1
2-Fluorobiphenyl	95		60 - 120	05/21/19 15:13	05/23/19 00:18	1
2-Fluorophenol (Surr)	79		52 - 120	05/21/19 15:13	05/23/19 00:18	1
Nitrobenzene-d5 (Surr)	92		53 - 120	05/21/19 15:13	05/23/19 00:18	1
Phenol-d5 (Surr)	82		54 - 120	05/21/19 15:13	05/23/19 00:18	1
p-Terphenyl-d14 (Surr)	102		65 - 121	05/21/19 15:13	05/23/19 00:18	1

Lab Sample ID: LCS 480-473984/2-A

Matrix: Solid

Analysis Batch: 474234

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473984

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	1650	1620		ug/Kg		98	59 - 126
2,4,6-Trichlorophenol	1650	1660		ug/Kg		101	59 - 123
2,4-Dichlorophenol	1650	1560		ug/Kg		95	61 - 120
2,4-Dimethylphenol	1650	1620		ug/Kg		98	59 - 120
2,4-Dinitrophenol	3290	2720		ug/Kg		83	41 - 146
2,4-Dinitrotoluene	1650	1690		ug/Kg		103	63 - 120
2,6-Dinitrotoluene	1650	1720		ug/Kg		105	66 - 120
2-Chloronaphthalene	1650	1560		ug/Kg		95	57 - 120
2-Chlorophenol	1650	1360		ug/Kg		83	53 - 120
2-Methylnaphthalene	1650	1550		ug/Kg		94	59 - 120
2-Methylphenol	1650	1380		ug/Kg		84	54 - 120
2-Nitroaniline	1650	1780		ug/Kg		108	61 - 120
2-Nitrophenol	1650	1400		ug/Kg		85	56 - 120
3,3'-Dichlorobenzidine	3290	3080		ug/Kg		94	54 - 120
3-Nitroaniline	1650	1450		ug/Kg		88	48 - 120
4,6-Dinitro-2-methylphenol	3290	3610		ug/Kg		110	49 - 122
4-Bromophenyl phenyl ether	1650	1670		ug/Kg		101	58 - 120
4-Chloro-3-methylphenol	1650	1670		ug/Kg		102	61 - 120
4-Chloroaniline	1650	1390		ug/Kg		85	38 - 120
4-Chlorophenyl phenyl ether	1650	1650		ug/Kg		100	63 - 124
Methylphenol, 3 & 4	1650	1440		ug/Kg		88	55 - 120
4-Nitroaniline	1650	1710		ug/Kg		104	56 - 120
4-Nitrophenol	3290	3680		ug/Kg		112	43 - 147
Acenaphthene	1650	1580		ug/Kg		96	62 - 120
Acenaphthylene	1650	1660		ug/Kg		101	58 - 121
Acetophenone	1650	1470		ug/Kg		89	54 - 120
Anthracene	1650	1740		ug/Kg		106	62 - 120
Atrazine	3290	3680		ug/Kg		112	60 - 127
Benzaldehyde	3290	2530		ug/Kg		77	10 - 150

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-473984/2-A

Matrix: Solid

Analysis Batch: 474234

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473984

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	1650	1690		ug/Kg		103	65 - 120
Benzo[a]pyrene	1650	1630		ug/Kg		99	64 - 120
Benzo[b]fluoranthene	1650	1850		ug/Kg		112	64 - 120
Benzo[g,h,i]perylene	1650	1700		ug/Kg		104	45 - 145
Benzo[k]fluoranthene	1650	1680		ug/Kg		102	65 - 120
Biphenyl	1650	1570		ug/Kg		96	59 - 120
bis (2-chloroisopropyl) ether	1650	1350		ug/Kg		82	44 - 120
Bis(2-chloroethoxy)methane	1650	1500		ug/Kg		91	55 - 120
Bis(2-chloroethyl)ether	1650	1370		ug/Kg		83	45 - 120
Bis(2-ethylhexyl) phthalate	1650	1900		ug/Kg		116	61 - 133
Butyl benzyl phthalate	1650	1820		ug/Kg		110	61 - 129
Caprolactam	3290	3160		ug/Kg		96	47 - 120
Carbazole	1650	1810		ug/Kg		110	65 - 120
Chrysene	1650	1720		ug/Kg		105	64 - 120
Dibenz(a,h)anthracene	1650	1750		ug/Kg		107	54 - 132
Dibenzofuran	1650	1650		ug/Kg		100	63 - 120
Diethyl phthalate	1650	1860		ug/Kg		113	66 - 120
Dimethyl phthalate	1650	1730		ug/Kg		105	65 - 124
Di-n-butyl phthalate	1650	1990		ug/Kg		121	58 - 130
Di-n-octyl phthalate	1650	1910		ug/Kg		116	57 - 133
Fluoranthene	1650	1830		ug/Kg		111	62 - 120
Fluorene	1650	1640		ug/Kg		100	63 - 120
Hexachlorobenzene	1650	1740		ug/Kg		106	60 - 120
Hexachlorobutadiene	1650	1480		ug/Kg		90	45 - 120
Hexachlorocyclopentadiene	1650	1590		ug/Kg		97	47 - 120
Hexachloroethane	1650	1330		ug/Kg		81	41 - 120
Indeno[1,2,3-cd]pyrene	1650	1740		ug/Kg		106	56 - 134
Isophorone	1650	1560		ug/Kg		95	56 - 120
Naphthalene	1650	1480		ug/Kg		90	55 - 120
Nitrobenzene	1650	1570		ug/Kg		95	54 - 120
N-Nitrosodi-n-propylamine	1650	1560		ug/Kg		95	52 - 120
N-Nitrosodiphenylamine	1650	1760		ug/Kg		107	51 - 128
Pentachlorophenol	3290	4530	*	ug/Kg		138	51 - 120
Phenanthrene	1650	1760		ug/Kg		107	60 - 120
Phenol	1650	1400		ug/Kg		85	53 - 120
Pyrene	1650	1800		ug/Kg		109	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	101		54 - 120
2-Fluorobiphenyl	92		60 - 120
2-Fluorophenol (Surr)	78		52 - 120
Nitrobenzene-d5 (Surr)	91		53 - 120
Phenol-d5 (Surr)	81		54 - 120
p-Terphenyl-d14 (Surr)	104		65 - 121

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-475168/1-A

Matrix: Solid

Analysis Batch: 475420

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475168

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00045	mg/L		05/29/19 16:38	05/30/19 19:46	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/29/19 16:38	05/30/19 19:46	1
2,4,6-Trichlorophenol	ND		0.0050	0.00060	mg/L		05/29/19 16:38	05/30/19 19:46	1
2,4-Dinitrotoluene	ND		0.0050	0.00043	mg/L		05/29/19 16:38	05/30/19 19:46	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/29/19 16:38	05/30/19 19:46	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/29/19 16:38	05/30/19 19:46	1
Pyridine	ND		0.025	0.00040	mg/L		05/29/19 16:38	05/30/19 19:46	1
4-Methylphenol	ND		0.010	0.00035	mg/L		05/29/19 16:38	05/30/19 19:46	1
Hexachlorobenzene	ND		0.0050	0.00050	mg/L		05/29/19 16:38	05/30/19 19:46	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/29/19 16:38	05/30/19 19:46	1
Hexachloroethane	ND		0.0050	0.00058	mg/L		05/29/19 16:38	05/30/19 19:46	1
Nitrobenzene	ND		0.0050	0.00028	mg/L		05/29/19 16:38	05/30/19 19:46	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/29/19 16:38	05/30/19 19:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	76		41 - 120	05/29/19 16:38	05/30/19 19:46	1
2-Fluorobiphenyl	98		48 - 120	05/29/19 16:38	05/30/19 19:46	1
2-Fluorophenol (Surr)	52		35 - 120	05/29/19 16:38	05/30/19 19:46	1
Nitrobenzene-d5 (Surr)	94		46 - 120	05/29/19 16:38	05/30/19 19:46	1
Phenol-d5 (Surr)	36		22 - 120	05/29/19 16:38	05/30/19 19:46	1
p-Terphenyl-d14 (Surr)	107		59 - 136	05/29/19 16:38	05/30/19 19:46	1

Lab Sample ID: LCS 480-475168/2-A

Matrix: Solid

Analysis Batch: 475420

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475168

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0500	0.0334		mg/L		67	51 - 120
2,4,5-Trichlorophenol	0.0500	0.0410		mg/L		82	65 - 126
2,4,6-Trichlorophenol	0.0500	0.0409		mg/L		82	64 - 120
2,4-Dinitrotoluene	0.0500	0.0409		mg/L		82	69 - 120
3-Methylphenol	0.0500	0.0309		mg/L		62	39 - 120
2-Methylphenol	0.0500	0.0327		mg/L		65	39 - 120
Pyridine	0.100	0.0373		mg/L		37	10 - 120
4-Methylphenol	0.0500	0.0309		mg/L		62	29 - 131
Hexachlorobenzene	0.0500	0.0417		mg/L		83	61 - 120
Hexachlorobutadiene	0.0500	0.0358		mg/L		72	35 - 120
Hexachloroethane	0.0500	0.0325		mg/L		65	43 - 120
Nitrobenzene	0.0500	0.0405		mg/L		81	53 - 123
Pentachlorophenol	0.100	0.0850		mg/L		85	29 - 136

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	77		41 - 120
2-Fluorobiphenyl	79		48 - 120
2-Fluorophenol (Surr)	42		35 - 120
Nitrobenzene-d5 (Surr)	77		46 - 120
Phenol-d5 (Surr)	30		22 - 120
p-Terphenyl-d14 (Surr)	88		59 - 136

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: LB 480-474855/1-F

Matrix: Solid

Analysis Batch: 475420

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 475168

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		05/29/19 16:38	05/30/19 22:21	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		05/29/19 16:38	05/30/19 22:21	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		05/29/19 16:38	05/30/19 22:21	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		05/29/19 16:38	05/30/19 22:21	1
3-Methylphenol	ND		0.040	0.0016	mg/L		05/29/19 16:38	05/30/19 22:21	1
2-Methylphenol	ND		0.020	0.0016	mg/L		05/29/19 16:38	05/30/19 22:21	1
Pyridine	ND		0.10	0.0016	mg/L		05/29/19 16:38	05/30/19 22:21	1
4-Methylphenol	ND		0.040	0.0014	mg/L		05/29/19 16:38	05/30/19 22:21	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		05/29/19 16:38	05/30/19 22:21	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		05/29/19 16:38	05/30/19 22:21	1
Hexachloroethane	ND		0.020	0.0023	mg/L		05/29/19 16:38	05/30/19 22:21	1
Nitrobenzene	ND		0.020	0.0011	mg/L		05/29/19 16:38	05/30/19 22:21	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		05/29/19 16:38	05/30/19 22:21	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		41 - 120	05/29/19 16:38	05/30/19 22:21	1
2-Fluorobiphenyl	92		48 - 120	05/29/19 16:38	05/30/19 22:21	1
2-Fluorophenol (Surr)	51		35 - 120	05/29/19 16:38	05/30/19 22:21	1
Nitrobenzene-d5 (Surr)	90		46 - 120	05/29/19 16:38	05/30/19 22:21	1
Phenol-d5 (Surr)	34		22 - 120	05/29/19 16:38	05/30/19 22:21	1
p-Terphenyl-d14 (Surr)	105		59 - 136	05/29/19 16:38	05/30/19 22:21	1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-475056/1-A

Matrix: Solid

Analysis Batch: 475238

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475056

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.00050	0.0000073	mg/L		05/29/19 10:18	05/30/19 10:30	1
Endrin	ND		0.000050	0.0000035	mg/L		05/29/19 10:18	05/30/19 10:30	1
gamma-BHC (Lindane)	ND		0.000050	0.0000015	mg/L		05/29/19 10:18	05/30/19 10:30	1
Heptachlor	ND		0.000050	0.0000021	mg/L		05/29/19 10:18	05/30/19 10:30	1
Heptachlor epoxide	ND		0.000050	0.0000013	mg/L		05/29/19 10:18	05/30/19 10:30	1
Methoxychlor	ND		0.000050	0.0000035	mg/L		05/29/19 10:18	05/30/19 10:30	1
Toxaphene	ND		0.00050	0.000030	mg/L		05/29/19 10:18	05/30/19 10:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	63		20 - 120	05/29/19 10:18	05/30/19 10:30	1
DCB Decachlorobiphenyl	63		20 - 120	05/29/19 10:18	05/30/19 10:30	1
Tetrachloro-m-xylene	89		44 - 120	05/29/19 10:18	05/30/19 10:30	1
Tetrachloro-m-xylene	74		44 - 120	05/29/19 10:18	05/30/19 10:30	1

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-475056/2-A

Matrix: Solid

Analysis Batch: 475238

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475056

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endrin	0.000500	0.000582		mg/L		116	65 - 135
gamma-BHC (Lindane)	0.000500	0.000495		mg/L		99	56 - 120
Heptachlor	0.000500	0.000509		mg/L		102	58 - 120
Heptachlor epoxide	0.000500	0.000551		mg/L		110	65 - 125
Methoxychlor	0.000500	0.000618		mg/L		124	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	65		20 - 120
DCB Decachlorobiphenyl	62		20 - 120
Tetrachloro-m-xylene	87		44 - 120
Tetrachloro-m-xylene	75		44 - 120

Lab Sample ID: LB 480-474855/1-B

Matrix: Solid

Analysis Batch: 475238

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 475056

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.00049	0.0000071	mg/L		05/29/19 10:18	05/30/19 12:09	1
Endrin	ND		0.00049	0.0000034	mg/L		05/29/19 10:18	05/30/19 12:09	1
gamma-BHC (Lindane)	ND		0.00049	0.0000015	mg/L		05/29/19 10:18	05/30/19 12:09	1
Heptachlor	ND		0.00049	0.0000021	mg/L		05/29/19 10:18	05/30/19 12:09	1
Heptachlor epoxide	ND		0.00049	0.0000013	mg/L		05/29/19 10:18	05/30/19 12:09	1
Methoxychlor	ND		0.00049	0.0000035	mg/L		05/29/19 10:18	05/30/19 12:09	1
Toxaphene	ND		0.00049	0.0000029	mg/L		05/29/19 10:18	05/30/19 12:09	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	78		20 - 120	05/29/19 10:18	05/30/19 12:09	1
DCB Decachlorobiphenyl	79		20 - 120	05/29/19 10:18	05/30/19 12:09	1
Tetrachloro-m-xylene	88		44 - 120	05/29/19 10:18	05/30/19 12:09	1
Tetrachloro-m-xylene	71		44 - 120	05/29/19 10:18	05/30/19 12:09	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-473820/1-A

Matrix: Solid

Analysis Batch: 474175

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473820

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.039	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
PCB-1221	ND		0.20	0.039	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
PCB-1232	ND		0.20	0.039	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
PCB-1242	ND		0.20	0.039	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
PCB-1248	ND		0.20	0.039	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
PCB-1254	ND		0.20	0.092	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
PCB-1260	ND		0.20	0.092	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
PCB-1262	ND		0.20	0.092	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
PCB-1268	ND		0.20	0.092	mg/Kg		05/21/19 06:35	05/22/19 17:08	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 480-473820/1-A

Matrix: Solid

Analysis Batch: 474175

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473820

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	110		60 - 154	05/21/19 06:35	05/22/19 17:08	1
Tetrachloro-m-xylene	88		60 - 154	05/21/19 06:35	05/22/19 17:08	1
DCB Decachlorobiphenyl	116		65 - 174	05/21/19 06:35	05/22/19 17:08	1
DCB Decachlorobiphenyl	93		65 - 174	05/21/19 06:35	05/22/19 17:08	1

Lab Sample ID: LCS 480-473820/2-A

Matrix: Solid

Analysis Batch: 474175

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473820

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	2.19	2.53		mg/Kg		115	51 - 185
PCB-1260	2.19	2.67		mg/Kg		122	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	130		60 - 154
Tetrachloro-m-xylene	104		60 - 154
DCB Decachlorobiphenyl	136		65 - 174
DCB Decachlorobiphenyl	119		65 - 174

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-475075/1-A

Matrix: Solid

Analysis Batch: 475310

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475075

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.00050	0.000090	mg/L		05/29/19 10:29	05/30/19 15:26	1
2,4-D	ND		0.00050	0.00010	mg/L		05/29/19 10:29	05/30/19 15:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	46	X	48 - 132	05/29/19 10:29	05/30/19 15:26	1
2,4-Dichlorophenylacetic acid	51		48 - 132	05/29/19 10:29	05/30/19 15:26	1

Lab Sample ID: LCS 480-475075/2-A

Matrix: Solid

Analysis Batch: 475310

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475075

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silvex (2,4,5-TP)	0.00200	0.00122		mg/L		61	49 - 150
2,4-D	0.00200	0.00197		mg/L		99	36 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	58		48 - 132
2,4-Dichlorophenylacetic acid	68		48 - 132

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCSD 480-475075/3-A

Matrix: Solid

Analysis Batch: 475310

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 475075

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silvex (2,4,5-TP)	0.00200	0.00123		mg/L		62	49 - 150	1	50
2,4-D	0.00200	0.00174		mg/L		87	36 - 150	13	50
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
2,4-Dichlorophenylacetic acid	48		48 - 132						
2,4-Dichlorophenylacetic acid	47	X	48 - 132						

Lab Sample ID: LB 480-474855/1-D

Matrix: Solid

Analysis Batch: 475310

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 475075

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		05/29/19 10:29	05/30/19 19:53	1
2,4-D	ND		0.0020	0.00040	mg/L		05/29/19 10:29	05/30/19 19:53	1
Surrogate	LB %Recovery	LB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	34	X	48 - 132				05/29/19 10:29	05/30/19 19:53	1
2,4-Dichlorophenylacetic acid	32	X	48 - 132				05/29/19 10:29	05/30/19 19:53	1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-473788/1-A

Matrix: Solid

Analysis Batch: 474339

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473788

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		9.7	4.3	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Antimony	ND		14.6	0.39	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Arsenic	ND		1.9	0.39	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Barium	ND		0.49	0.11	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Beryllium	ND		0.19	0.027	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Cadmium	ND		0.19	0.029	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Calcium	6.64	J	48.7	3.2	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Chromium	ND		0.49	0.19	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Cobalt	ND		0.49	0.049	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Copper	ND		0.97	0.20	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Iron	3.98	J	9.7	3.4	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Lead	ND		0.97	0.23	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Magnesium	ND		19.5	0.90	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Manganese	0.101	J	0.19	0.031	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Nickel	ND		4.9	0.22	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Potassium	ND		29.2	19.5	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Selenium	ND		3.9	0.39	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Silver	ND		0.58	0.19	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Sodium	ND		136	12.7	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Thallium	ND		5.8	0.29	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Vanadium	ND		0.49	0.11	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Zinc	ND		1.9	0.62	mg/Kg		05/21/19 10:20	05/22/19 19:56	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCDSRM 480-473788/3-A
Matrix: Solid
Analysis Batch: 474339

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 473788

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	10100	8815		mg/Kg		87.3	41.6 - 123.8	2	20
Antimony	173	56.46		mg/Kg		32.6	10.0 - 134.1	5	20
Arsenic	221	177.5		mg/Kg		80.3	63.8 - 119.0	2	20
Barium	288	231.6		mg/Kg		80.4	70.5 - 117.4	5	20
Beryllium	102	85.24		mg/Kg		83.6	71.2 - 118.6	3	20
Cadmium	153	119.5		mg/Kg		78.1	68.6 - 115.0	4	20
Calcium	5190	4155		mg/Kg		80.1	65.7 - 115.6	2	20
Chromium	179	144.0		mg/Kg		80.4	65.4 - 121.2	2	20
Cobalt	182	170.1		mg/Kg		93.5	71.4 - 119.2	2	20
Copper	113	93.93		mg/Kg		83.1	71.4 - 118.6	4	20
Iron	15000	14020		mg/Kg		93.5	35.7 - 160.7	1	20
Lead	74.5	72.90		mg/Kg		97.9	67.8 - 130.3	6	20
Magnesium	2570	2036		mg/Kg		79.2	55.6 - 124.1	4	20
Manganese	348	292.6		mg/Kg		84.1	71.3 - 118.4	7	20
Nickel	98.0	90.01		mg/Kg		91.8	63.8 - 118.4	2	20
Potassium	2630	2118		mg/Kg		80.5	51.7 - 119.0	3	20
Selenium	54.4	42.45		mg/Kg		78.0	53.3 - 130.0	4	20
Silver	75.5	58.77		mg/Kg		77.8	66.6 - 121.7	1	20
Sodium	226	182.9		mg/Kg		80.9	39.2 - 133.2	2	20
Thallium	64.7	57.83		mg/Kg		89.4	55.0 - 126.0	4	20
Vanadium	62.7	56.53		mg/Kg		90.2	53.3 - 132.4	2	20
Zinc	281	225.5		mg/Kg		80.2	65.8 - 122.4	2	20

Lab Sample ID: LCSSRM 480-473788/2-A
Matrix: Solid
Analysis Batch: 474339

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 473788

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	10100	9017		mg/Kg		89.3	41.6 - 123.8		
Antimony	173	59.09		mg/Kg		34.2	10.0 - 134.1		

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-473788/2-A

Matrix: Solid

Analysis Batch: 474339

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473788

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	221	180.5		mg/Kg		81.7	63.8 - 119.0
Barium	288	242.3		mg/Kg		84.1	70.5 - 117.4
Beryllium	102	87.84		mg/Kg		86.1	71.2 - 118.6
Cadmium	153	124.4		mg/Kg		81.3	68.6 - 115.0
Calcium	5190	4054		mg/Kg		78.1	65.7 - 115.6
Chromium	179	146.7		mg/Kg		81.9	65.4 - 121.2
Cobalt	182	174.2		mg/Kg		95.7	71.4 - 119.2
Copper	113	97.78		mg/Kg		86.5	71.4 - 118.6
Iron	15000	13880		mg/Kg		92.5	35.7 - 160.7
Lead	74.5	77.53		mg/Kg		104.1	67.8 - 130.3
Magnesium	2570	2112		mg/Kg		82.2	55.6 - 124.1
Manganese	348	313.0		mg/Kg		89.9	71.3 - 118.4
Nickel	98.0	92.28		mg/Kg		94.2	63.8 - 118.4
Potassium	2630	2183		mg/Kg		83.0	51.7 - 119.0
Selenium	54.4	43.99		mg/Kg		80.9	53.3 - 130.0
Silver	75.5	59.33		mg/Kg		78.6	66.6 - 121.7
Sodium	226	186.1		mg/Kg		82.3	39.2 - 133.2
Thallium	64.7	60.05		mg/Kg		92.8	55.0 - 126.0
Vanadium	62.7	57.46		mg/Kg		91.6	53.3 - 132.4
Zinc	281	230.9		mg/Kg		82.2	65.8 - 122.4

Lab Sample ID: MB 480-475060/2-A

Matrix: Solid

Analysis Batch: 475553

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475060

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/29/19 11:14	05/30/19 18:53	1
Barium	ND		1.0	0.10	mg/L		05/29/19 11:14	05/30/19 18:53	1
Cadmium	ND		0.0020	0.00050	mg/L		05/29/19 11:14	05/30/19 18:53	1
Chromium	ND		0.020	0.010	mg/L		05/29/19 11:14	05/30/19 18:53	1
Lead	ND		0.020	0.0030	mg/L		05/29/19 11:14	05/30/19 18:53	1
Selenium	ND		0.025	0.0087	mg/L		05/29/19 11:14	05/30/19 18:53	1
Silver	ND		0.0060	0.0017	mg/L		05/29/19 11:14	05/30/19 18:53	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-475060/3-A

Matrix: Solid

Analysis Batch: 475553

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475060

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.18		mg/L		118	80 - 120
Barium	1.00	1.07		mg/L		107	80 - 120
Cadmium	1.00	1.14		mg/L		114	80 - 120
Chromium	1.00	1.11		mg/L		111	80 - 120
Lead	1.00	1.07		mg/L		107	80 - 120
Selenium	1.00	1.15		mg/L		115	80 - 120
Silver	1.00	1.17		mg/L		117	80 - 120

Lab Sample ID: LB 480-474855/1-C

Matrix: Solid

Analysis Batch: 475553

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 475060

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/29/19 11:14	05/30/19 18:50	1
Barium	ND		1.0	0.10	mg/L		05/29/19 11:14	05/30/19 18:50	1
Cadmium	ND		0.0020	0.00050	mg/L		05/29/19 11:14	05/30/19 18:50	1
Chromium	ND		0.020	0.010	mg/L		05/29/19 11:14	05/30/19 18:50	1
Lead	ND		0.020	0.0030	mg/L		05/29/19 11:14	05/30/19 18:50	1
Selenium	ND		0.025	0.0087	mg/L		05/29/19 11:14	05/30/19 18:50	1
Silver	ND		0.0060	0.0017	mg/L		05/29/19 11:14	05/30/19 18:50	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-475102/2-A

Matrix: Solid

Analysis Batch: 475183

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475102

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/29/19 11:58	05/29/19 15:31	1

Lab Sample ID: LCS 480-475102/3-A

Matrix: Solid

Analysis Batch: 475183

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475102

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00668	0.00650		mg/L		97	80 - 120

Lab Sample ID: LB 480-474855/1-E

Matrix: Solid

Analysis Batch: 475183

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 475102

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/29/19 11:58	05/29/19 15:30	1

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-473760/1-A
Matrix: Solid
Analysis Batch: 474014

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 473760

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.019	0.0076	mg/Kg		05/21/19 15:23	05/21/19 16:27	1

Lab Sample ID: LCDSRM 480-473760/3-A ^5
Matrix: Solid
Analysis Batch: 474014

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 473760

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hg	4.85	3.61		mg/Kg		74.4	46.0 - 107. 0	9	20

Lab Sample ID: LCSSRM 480-473760/2-A ^5
Matrix: Solid
Analysis Batch: 474014

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 473760

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Hg	4.85	3.30		mg/Kg		68.0	46.0 - 107. 0		

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

GC/MS VOA

Analysis Batch: 473646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	Total/NA	Solid	8260C	473698
MB 480-473698/3-A	Method Blank	Total/NA	Solid	8260C	473698
LCS 480-473698/1-A	Lab Control Sample	Total/NA	Solid	8260C	473698

Prep Batch: 473698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	Total/NA	Solid	5035A_L	
MB 480-473698/3-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-473698/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Leach Batch: 474869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	TCLP	Solid	1311	
LB 480-474869/1-A	Method Blank	TCLP	Solid	1311	
480-153636-1 MS	MIDDLE RM STEEL PLATE	TCLP	Solid	1311	
480-153636-1 MSD	MIDDLE RM STEEL PLATE	TCLP	Solid	1311	

Analysis Batch: 475057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	TCLP	Solid	8260C	474869
LB 480-474869/1-A	Method Blank	TCLP	Solid	8260C	474869
MB 480-475057/7	Method Blank	Total/NA	Solid	8260C	
LCS 480-475057/5	Lab Control Sample	Total/NA	Solid	8260C	
480-153636-1 MS	MIDDLE RM STEEL PLATE	TCLP	Solid	8260C	474869
480-153636-1 MSD	MIDDLE RM STEEL PLATE	TCLP	Solid	8260C	474869

GC/MS Semi VOA

Prep Batch: 473984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	Total/NA	Solid	3550C	
MB 480-473984/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-473984/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 474234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	Total/NA	Solid	8270D	473984
MB 480-473984/1-A	Method Blank	Total/NA	Solid	8270D	473984
LCS 480-473984/2-A	Lab Control Sample	Total/NA	Solid	8270D	473984

Leach Batch: 474855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	TCLP	Solid	1311	
LB 480-474855/1-F	Method Blank	TCLP	Solid	1311	

Prep Batch: 475168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	TCLP	Solid	3510C	474855
LB 480-474855/1-F	Method Blank	TCLP	Solid	3510C	474855
MB 480-475168/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 480-475168/2-A	Lab Control Sample	Total/NA	Solid	3510C	

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QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

GC/MS Semi VOA

Analysis Batch: 475420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	TCLP	Solid	8270D	475168
LB 480-474855/1-F	Method Blank	TCLP	Solid	8270D	475168
MB 480-475168/1-A	Method Blank	Total/NA	Solid	8270D	475168
LCS 480-475168/2-A	Lab Control Sample	Total/NA	Solid	8270D	475168

GC Semi VOA

Prep Batch: 473820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	Total/NA	Solid	3550C	
MB 480-473820/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-473820/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 474175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	Total/NA	Solid	8082A	473820
MB 480-473820/1-A	Method Blank	Total/NA	Solid	8082A	473820
LCS 480-473820/2-A	Lab Control Sample	Total/NA	Solid	8082A	473820

Leach Batch: 474855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	TCLP	Solid	1311	
LB 480-474855/1-B	Method Blank	TCLP	Solid	1311	
LB 480-474855/1-D	Method Blank	TCLP	Solid	1311	

Prep Batch: 475056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	TCLP	Solid	3510C	474855
LB 480-474855/1-B	Method Blank	TCLP	Solid	3510C	474855
MB 480-475056/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 480-475056/2-A	Lab Control Sample	Total/NA	Solid	3510C	

Prep Batch: 475075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	TCLP	Solid	8151A	474855
LB 480-474855/1-D	Method Blank	TCLP	Solid	8151A	474855
MB 480-475075/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-475075/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 480-475075/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 475238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	TCLP	Solid	8081B	475056
LB 480-474855/1-B	Method Blank	TCLP	Solid	8081B	475056
MB 480-475056/1-A	Method Blank	Total/NA	Solid	8081B	475056
LCS 480-475056/2-A	Lab Control Sample	Total/NA	Solid	8081B	475056

Analysis Batch: 475310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	TCLP	Solid	8151A	475075
LB 480-474855/1-D	Method Blank	TCLP	Solid	8151A	475075

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

GC Semi VOA (Continued)

Analysis Batch: 475310 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-475075/1-A	Method Blank	Total/NA	Solid	8151A	475075
LCS 480-475075/2-A	Lab Control Sample	Total/NA	Solid	8151A	475075
LCSD 480-475075/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	475075

Metals

Prep Batch: 473760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	Total/NA	Solid	7471B	
MB 480-473760/1-A	Method Blank	Total/NA	Solid	7471B	
LCDSRM 480-473760/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	7471B	
LCSSRM 480-473760/2-A ^5	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 473788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	Total/NA	Solid	3050B	
MB 480-473788/1-A	Method Blank	Total/NA	Solid	3050B	
LCDSRM 480-473788/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 480-473788/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 474014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	Total/NA	Solid	7471B	473760
MB 480-473760/1-A	Method Blank	Total/NA	Solid	7471B	473760
LCDSRM 480-473760/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	7471B	473760
LCSSRM 480-473760/2-A ^5	Lab Control Sample	Total/NA	Solid	7471B	473760

Analysis Batch: 474339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	Total/NA	Solid	6010C	473788
MB 480-473788/1-A	Method Blank	Total/NA	Solid	6010C	473788
LCDSRM 480-473788/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	473788
LCSSRM 480-473788/2-A	Lab Control Sample	Total/NA	Solid	6010C	473788

Analysis Batch: 474575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	Total/NA	Solid	6010C	473788

Leach Batch: 474855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	TCLP	Solid	1311	
LB 480-474855/1-C	Method Blank	TCLP	Solid	1311	
LB 480-474855/1-E	Method Blank	TCLP	Solid	1311	

Prep Batch: 475060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	TCLP	Solid	3010A	474855
LB 480-474855/1-C	Method Blank	TCLP	Solid	3010A	474855
MB 480-475060/2-A	Method Blank	Total/NA	Solid	3010A	
LCS 480-475060/3-A	Lab Control Sample	Total/NA	Solid	3010A	

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Metals

Prep Batch: 475102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	TCLP	Solid	7470A	474855
LB 480-474855/1-E	Method Blank	TCLP	Solid	7470A	474855
MB 480-475102/2-A	Method Blank	Total/NA	Solid	7470A	
LCS 480-475102/3-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 475183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	TCLP	Solid	7470A	475102
LB 480-474855/1-E	Method Blank	TCLP	Solid	7470A	475102
MB 480-475102/2-A	Method Blank	Total/NA	Solid	7470A	475102
LCS 480-475102/3-A	Lab Control Sample	Total/NA	Solid	7470A	475102

Analysis Batch: 475553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	TCLP	Solid	6010C	475060
LB 480-474855/1-C	Method Blank	TCLP	Solid	6010C	475060
MB 480-475060/2-A	Method Blank	Total/NA	Solid	6010C	475060
LCS 480-475060/3-A	Lab Control Sample	Total/NA	Solid	6010C	475060

General Chemistry

Analysis Batch: 473910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153636-1	MIDDLE RM STEEL PLATE	Total/NA	Solid	Moisture	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Client Sample ID: MIDDLE RM STEEL PLATE

Lab Sample ID: 480-153636-1

Date Collected: 05/15/19 11:00

Matrix: Solid

Date Received: 05/15/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			474869	05/28/19 08:35	LMS	TAL BUF
TCLP	Analysis	8260C		10	475057	05/29/19 13:28	AMM	TAL BUF
TCLP	Leach	1311			474855	05/28/19 08:33	LMS	TAL BUF
TCLP	Prep	3510C			475168	05/29/19 16:38	ATG	TAL BUF
TCLP	Analysis	8270D		1	475420	05/30/19 22:46	PJQ	TAL BUF
TCLP	Leach	1311			474855	05/28/19 08:33	LMS	TAL BUF
TCLP	Prep	3510C			475056	05/29/19 10:18	JMP	TAL BUF
TCLP	Analysis	8081B		2	475238	05/30/19 12:28	JLS	TAL BUF
TCLP	Leach	1311			474855	05/28/19 08:33	LMS	TAL BUF
TCLP	Prep	8151A			475075	05/29/19 10:29	JMP	TAL BUF
TCLP	Analysis	8151A		1	475310	05/30/19 20:23	MAN	TAL BUF
TCLP	Leach	1311			474855	05/28/19 08:33	LMS	TAL BUF
TCLP	Prep	3010A			475060	05/29/19 11:14	EMB	TAL BUF
TCLP	Analysis	6010C		1	475553	05/30/19 19:01	AMH	TAL BUF
TCLP	Leach	1311			474855	05/28/19 08:33	LMS	TAL BUF
TCLP	Prep	7470A			475102	05/29/19 11:58	BMB	TAL BUF
TCLP	Analysis	7470A		1	475183	05/29/19 15:37	BMB	TAL BUF
Total/NA	Analysis	Moisture		1	473910	05/21/19 11:19	CDC	TAL BUF

Client Sample ID: MIDDLE RM STEEL PLATE

Lab Sample ID: 480-153636-1

Date Collected: 05/15/19 11:00

Matrix: Solid

Date Received: 05/15/19 12:15

Percent Solids: 71.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			473698	05/20/19 10:24	CDC	TAL BUF
Total/NA	Analysis	8260C		1	473646	05/20/19 17:27	CDC	TAL BUF
Total/NA	Prep	3550C			473984	05/21/19 15:13	SGD	TAL BUF
Total/NA	Analysis	8270D		1	474234	05/23/19 02:19	PJQ	TAL BUF
Total/NA	Prep	3550C			473820	05/21/19 06:35	SMP	TAL BUF
Total/NA	Analysis	8082A		5	474175	05/22/19 18:10	W1T	TAL BUF
Total/NA	Prep	3050B			473788	05/21/19 10:20	EMB	TAL BUF
Total/NA	Analysis	6010C		5	474339	05/22/19 21:01	AMH	TAL BUF
Total/NA	Prep	3050B			473788	05/21/19 10:20	EMB	TAL BUF
Total/NA	Analysis	6010C		10	474575	05/23/19 13:56	AMH	TAL BUF
Total/NA	Prep	7471B			473760	05/21/19 15:23	BMB	TAL BUF
Total/NA	Analysis	7471B		1	474014	05/21/19 16:34	BMB	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Eurofins TestAmerica, Buffalo

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
1311	TCLP Extraction	SW846	TAL BUF
3010A	Preparation, Total Metals	SW846	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153636-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-153636-1	MIDDLE RM STEEL PLATE	Solid	05/15/19 11:00	05/15/19 12:15	

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Ver. 01/16/2019

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-153636-1

Login Number: 153636

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Hulbert, Michael J

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

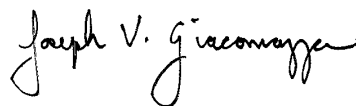
Laboratory Job ID: 480-153638-1

Client Project/Site: Morgan Materials #915307

For:

New York State D.E.C.
270 Michigan Avenue
Buffalo, New York 14203

Attn: Damianos Skaros



Authorized for release by:

6/5/2019 4:26:18 PM

Joe Giacomazza, Project Management Assistant II
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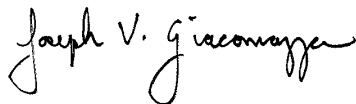
The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

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I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
6/5/2019 4:26:18 PM



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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	ISTD response or retention time outside acceptable limits
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F4	MS/MSD RPD exceeds control limits due to sample size difference.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points

Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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Case Narrative

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Job ID: 480-153638-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-153638-1

Comments

No additional comments.

Receipt

The samples were received on 5/14/2019 3:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.8° C, 3.1° C and 3.4° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-474259 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: SAMPLE RM (480-153638-1), B BLDG (480-153638-2) and DUP-051419 (480-153638-3).

Method(s) 8260C: The results for Chloroethane are inconsistent between the parent volume and the Matrix Spike (MS) / Matrix Spike Duplicate (MSD). The samples were reanalyzed and the results confirm. The following samples are impacted: SAMPLE RM (480-153638-1), SAMPLE RM (480-153638-1[MS]) and SAMPLE RM (480-153638-1[MSD]).

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

GC/MS Semi VOA

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-473721 recovered outside acceptance criteria, low biased, for 3-Nitroaniline, Pentachlorophenol and Carbazole. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: SAMPLE RM (480-153638-1), B BLDG (480-153638-2) and DUP-051419 (480-153638-3).

Method(s) 8270D: The following sample was diluted due to the nature of the sample matrix: B BLDG (480-153638-2). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: SAMPLE RM (480-153638-1). These results have been reported and qualified.

Method(s) 8270D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-473479 and analytical batch 480-473721 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8270D: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 480-473479 and analytical batch 480-473721 was outside control limits.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-475195 recovered above the upper control limit for multiple analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: SAMPLE RM (480-153638-1), B BLDG (480-153638-2) and DUP-051419 (480-153638-3).

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-475195 recovered outside acceptance criteria, low biased, for multiple analytes. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: SAMPLE RM (480-153638-1), B BLDG (480-153638-2) and DUP-051419 (480-153638-3).

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: SAMPLE RM (480-153638-1), SAMPLE RM (480-153638-1[MS]), SAMPLE RM (480-153638-1[MSD]), B BLDG (480-153638-2) and DUP-051419 (480-153638-3). These results have been reported and qualified.

Case Narrative

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Job ID: 480-153638-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method(s) 8270D: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 480-474520 and analytical batch 480-475195 recovered outside control limits for the following surrogate: 2,4,6-Tribromophenol. This surrogate is biased high and no detections were found for associated analytes in the following affected samples: SAMPLE RM (480-153638-1), B BLDG (480-153638-2) and DUP-051419 (480-153638-3). Therefore, the data has been reported.

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix: SAMPLE RM (480-153638-1), SAMPLE RM (480-153638-1[MS]), SAMPLE RM (480-153638-1[MSD]) and B BLDG (480-153638-2). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-474520 and analytical batch 480-475195 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8270D: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 480-474520 and analytical batch 480-475195 was outside control limits.

Method(s) 8270D: The laboratory control sample (LCS) for preparation batch 480-473479 and analytical batch 480-473721 recovered outside control limits for the following analytes: 4-Chloroaniline. The associated sample(s) was re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported. The following samples are impacted: SAMPLE RM (480-153638-1), SAMPLE RM (480-153638-1[MS]), SAMPLE RM (480-153638-1[MSD]), B BLDG (480-153638-2) and DUP-051419 (480-153638-3).

Method(s) 8270D: The Method Blank (MB) for preparation batch 480-473479 and analytical batch 480-473721 recovered outside control limits for multiple surrogates and internal standards. The associated samples were re-prepared outside of holding time with acceptable results. Therefore, both sets of data have been reported. The following samples are impacted: SAMPLE RM (480-153638-1), SAMPLE RM (480-153638-1[MS]), SAMPLE RM (480-153638-1[MSD]), B BLDG (480-153638-2) and DUP-051419 (480-153638-3).

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

GC Semi VOA

Method(s) 8081B: The following sample was diluted due to the nature of the sample matrix: SAMPLE RM (480-153638-1). As such, surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

Method(s) 8081B: The following samples were diluted due to the nature of the sample matrix: SAMPLE RM (480-153638-1[MS]) and SAMPLE RM (480-153638-1[MSD]). As such, spike and surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

Method(s) 8151A: Surrogate recovery for the following sample was outside the upper control limit: SAMPLE RM (480-153638-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8082A: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 480-474079 and analytical batch 480-474391 was outside control limits. Sample matrix interference is suspected.

Method(s) 8081B: All primary data for analytical batch 473833 is reported from the RTX-CLPI column.

Method(s) 8082A: All primary data for analytical batch 474391 is reported from the ZB-35 column.

Method(s) 8082A: The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

Method(s) 8151A: All primary data for analytical batch 473904 is reported from the RTX-CLPI column.

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

Metals

Method(s) 6010C: The low level continuing calibration verification (CCVL 480-474567/19) recovered above the upper control limit for Total

Case Narrative

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Job ID: 480-153638-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Potassium. The sample associated with this CCVL were either less than the reporting limit (RL) for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples (LCS 480-473686/2-A) and (MB 480-473686/1-A) was not performed.

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

Organic Prep

Method(s) 3510C: The following samples required a Florisil clean-up, via 3620C, to reduce matrix interferences: SAMPLE RM (480-153638-1), SAMPLE RM (480-153638-1[MS]), SAMPLE RM (480-153638-1[MSD]) and B BLDG (480-153638-2).

Method(s) 3510C: The following samples were re-prepared outside of preparation holding time due to MB and LCS failure: The following samples are impacted: SAMPLE RM (480-153638-1), SAMPLE RM (480-153638-1[MS]), SAMPLE RM (480-153638-1[MSD]), B BLDG (480-153638-2) and DUP-051419 (480-153638-3).

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

VOA Prep

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

Detection Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Client Sample ID: SAMPLE RM

Lab Sample ID: 480-153638-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	0.095		0.050	0.0050	ug/L	1		8260B SIM	Total/NA
Acetone	3.3	J	10	3.0	ug/L	1		8260C	Total/NA
Chloroethane	37	F1 F2	1.0	0.32	ug/L	1		8260C	Total/NA
Anthracene	0.31	J	5.0	0.28	ug/L	1		8270D	Total/NA
Benzo[a]anthracene	1.2	J F1 F2	5.0	0.36	ug/L	1		8270D	Total/NA
Benzo[a]pyrene	1.5	J F1 F2	5.0	0.47	ug/L	1		8270D	Total/NA
Benzo[b]fluoranthene	2.0	J F1 F2	5.0	0.34	ug/L	1		8270D	Total/NA
Benzo[g,h,i]perylene	0.91	J	5.0	0.35	ug/L	1		8270D	Total/NA
Benzo[k]fluoranthene	1.1	J F2	5.0	0.73	ug/L	1		8270D	Total/NA
Caprolactam	2.3	J	5.0	2.2	ug/L	1		8270D	Total/NA
Chrysene	1.5	J F1 F2	5.0	0.33	ug/L	1		8270D	Total/NA
Dibenz(a,h)anthracene	0.44	J	5.0	0.42	ug/L	1		8270D	Total/NA
Fluoranthene	2.2	J F1 F2	5.0	0.40	ug/L	1		8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.96	J	5.0	0.47	ug/L	1		8270D	Total/NA
Phenanthrene	0.94	J	5.0	0.44	ug/L	1		8270D	Total/NA
Pyrene	2.0	J F1 F2	5.0	0.34	ug/L	1		8270D	Total/NA
Benzo[a]anthracene - RE	9.5	J H F2 F1	25	1.8	ug/L	5		8270D	Total/NA
Benzo[a]pyrene - RE	11	J H F2 F1	25	2.4	ug/L	5		8270D	Total/NA
Benzo[b]fluoranthene - RE	15	J H F2 F1	25	1.7	ug/L	5		8270D	Total/NA
Benzo[g,h,i]perylene - RE	8.4	J H F2	25	1.8	ug/L	5		8270D	Total/NA
Benzo[k]fluoranthene - RE	7.1	J H F2 F1	25	3.7	ug/L	5		8270D	Total/NA
Chrysene - RE	11	J H F2 F1	25	1.7	ug/L	5		8270D	Total/NA
Dibenz(a,h)anthracene - RE	3.2	J H	25	2.1	ug/L	5		8270D	Total/NA
Fluoranthene - RE	16	J H F2 F1	25	2.0	ug/L	5		8270D	Total/NA
Indeno[1,2,3-cd]pyrene - RE	7.7	J H F2	25	2.4	ug/L	5		8270D	Total/NA
Phenanthrene - RE	4.9	J H F2 F1	25	2.2	ug/L	5		8270D	Total/NA
Pyrene - RE	13	J H F2 F1	25	1.7	ug/L	5		8270D	Total/NA
Aluminum	0.60		0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.035		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	24.9		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0033	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.063		0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	1.6		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.031		0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	4.0		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.090		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0045	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	2.9	B	0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	23.6	B	1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0076		0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.11		0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: B BLDG

Lab Sample ID: 480-153638-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2.6		1.0	0.34	ug/L	1		8260C	Total/NA
Aluminum	0.60		0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.047		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	36.0		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0028	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.012		0.010	0.0016	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Client Sample ID: B BLDG (Continued)

Lab Sample ID: 480-153638-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	1.2		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.0077	J	0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	6.4		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.029		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0017	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	2.5	B	0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	15.6	B	1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0023	J	0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.076		0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: DUP-051419

Lab Sample ID: 480-153638-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2.4		1.0	0.34	ug/L	1		8260C	Total/NA
Aluminum	2.2		0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.078		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	41.7		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.010		0.0040	0.0010	mg/L	1		6010C	Total/NA
Cobalt	0.0016	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.045		0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	5.2		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.038		0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	8.3		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.11		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0093	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	2.9	B	0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	15.2	B	1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0062		0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.20		0.010	0.0015	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Client Sample ID: **SAMPLE RM**

Lab Sample ID: **480-153638-1**

Date Collected: 05/14/19 10:30

Matrix: Water

Date Received: 05/14/19 15:45

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.050	0.0058	ug/L			05/24/19 13:18	1
1,2-Dichloroethane	0.095		0.050	0.0050	ug/L			05/24/19 13:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	72		70 - 130					05/24/19 13:18	1
4-Bromofluorobenzene (Surr)	83		70 - 130					05/24/19 13:18	1
Dibromofluoromethane (Surr)	81		70 - 130					05/24/19 13:18	1
Toluene-d8 (Surr)	87		70 - 130					05/24/19 13:18	1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/23/19 04:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/23/19 04:34	1
Benzene	ND		1.0	0.41	ug/L			05/23/19 04:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/23/19 04:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/23/19 04:34	1
Chloroform	ND		1.0	0.34	ug/L			05/23/19 04:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/23/19 04:34	1
Trichloroethene	ND		1.0	0.46	ug/L			05/23/19 04:34	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/23/19 04:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/23/19 04:34	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/23/19 04:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/23/19 04:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/23/19 04:34	1
Bromoform	ND		1.0	0.26	ug/L			05/23/19 04:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/23/19 04:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/23/19 04:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/23/19 04:34	1
Acetone	3.3 J		10	3.0	ug/L			05/23/19 04:34	1
Methyl acetate	ND		2.5	1.3	ug/L			05/23/19 04:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/23/19 04:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/23/19 04:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/23/19 04:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/23/19 04:34	1
Chloromethane	ND		1.0	0.35	ug/L			05/23/19 04:34	1
Bromomethane	ND		1.0	0.69	ug/L			05/23/19 04:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/23/19 04:34	1
Toluene	ND		1.0	0.51	ug/L			05/23/19 04:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/23/19 04:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/23/19 04:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/23/19 04:34	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/23/19 04:34	1
Styrene	ND		1.0	0.73	ug/L			05/23/19 04:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/23/19 04:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/23/19 04:34	1
Chloroethane	37 F1 F2		1.0	0.32	ug/L			05/23/19 04:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/23/19 04:34	1
2-Hexanone	ND		5.0	1.2	ug/L			05/23/19 04:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/23/19 04:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/23/19 04:34	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Client Sample ID: **SAMPLE RM**

Lab Sample ID: **480-153638-1**

Date Collected: **05/14/19 10:30**

Matrix: **Water**

Date Received: **05/14/19 15:45**

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		1.0	0.16	ug/L			05/23/19 04:34	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/23/19 04:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/23/19 04:34	1
Cyclohexane	ND		1.0	0.18	ug/L			05/23/19 04:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/23/19 04:34	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/23/19 04:34	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/23/19 04:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/23/19 04:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/23/19 04:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120					05/23/19 04:34	1
4-Bromofluorobenzene (Surr)	90		73 - 120					05/23/19 04:34	1
Toluene-d8 (Surr)	92		80 - 120					05/23/19 04:34	1
Dibromofluoromethane (Surr)	96		75 - 123					05/23/19 04:34	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		10	0.46	ug/L		05/17/19 15:29	05/20/19 17:57	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		05/17/19 15:29	05/20/19 17:57	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		05/17/19 15:29	05/20/19 17:57	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/17/19 15:29	05/20/19 17:57	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		05/17/19 15:29	05/20/19 17:57	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		05/17/19 15:29	05/20/19 17:57	1
2,4-Dinitrotoluene	ND	F2	5.0	0.45	ug/L		05/17/19 15:29	05/20/19 17:57	1
2,6-Dinitrotoluene	ND	F2	5.0	0.40	ug/L		05/17/19 15:29	05/20/19 17:57	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/17/19 15:29	05/20/19 17:57	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/17/19 15:29	05/20/19 17:57	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		05/17/19 15:29	05/20/19 17:57	1
2-Methylphenol	ND		5.0	0.40	ug/L		05/17/19 15:29	05/20/19 17:57	1
2-Nitroaniline	ND		10	0.42	ug/L		05/17/19 15:29	05/20/19 17:57	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/17/19 15:29	05/20/19 17:57	1
3,3'-Dichlorobenzidine	ND	F1	5.0	0.40	ug/L		05/17/19 15:29	05/20/19 17:57	1
3-Methylphenol	ND		10	0.40	ug/L		05/17/19 15:29	05/20/19 17:57	1
3-Nitroaniline	ND		10	0.48	ug/L		05/17/19 15:29	05/20/19 17:57	1
4,6-Dinitro-2-methylphenol	ND	F2	10	2.2	ug/L		05/17/19 15:29	05/20/19 17:57	1
4-Bromophenyl phenyl ether	ND	F2	5.0	0.45	ug/L		05/17/19 15:29	05/20/19 17:57	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/17/19 15:29	05/20/19 17:57	1
4-Chloroaniline	ND	* F1 F2	5.0	0.59	ug/L		05/17/19 15:29	05/20/19 17:57	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		05/17/19 15:29	05/20/19 17:57	1
4-Methylphenol	ND		10	0.36	ug/L		05/17/19 15:29	05/20/19 17:57	1
4-Nitroaniline	ND		10	0.25	ug/L		05/17/19 15:29	05/20/19 17:57	1
4-Nitrophenol	ND		10	1.5	ug/L		05/17/19 15:29	05/20/19 17:57	1
Acenaphthene	ND		5.0	0.41	ug/L		05/17/19 15:29	05/20/19 17:57	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/17/19 15:29	05/20/19 17:57	1
Acetophenone	ND		5.0	0.54	ug/L		05/17/19 15:29	05/20/19 17:57	1
Anthracene	0.31	J	5.0	0.28	ug/L		05/17/19 15:29	05/20/19 17:57	1
Atrazine	ND		5.0	0.46	ug/L		05/17/19 15:29	05/20/19 17:57	1
Benzaldehyde	ND		5.0	0.27	ug/L		05/17/19 15:29	05/20/19 17:57	1
Benzo[a]anthracene	1.2	J F1 F2	5.0	0.36	ug/L		05/17/19 15:29	05/20/19 17:57	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Client Sample ID: **SAMPLE RM**

Lab Sample ID: **480-153638-1**

Date Collected: 05/14/19 10:30

Matrix: Water

Date Received: 05/14/19 15:45

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	1.5	J F1 F2	5.0	0.47	ug/L		05/17/19 15:29	05/20/19 17:57	1
Benzo[b]fluoranthene	2.0	J F1 F2	5.0	0.34	ug/L		05/17/19 15:29	05/20/19 17:57	1
Benzo[g,h,i]perylene	0.91	J	5.0	0.35	ug/L		05/17/19 15:29	05/20/19 17:57	1
Benzo[k]fluoranthene	1.1	J F2	5.0	0.73	ug/L		05/17/19 15:29	05/20/19 17:57	1
Biphenyl	ND		5.0	0.65	ug/L		05/17/19 15:29	05/20/19 17:57	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		05/17/19 15:29	05/20/19 17:57	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		05/17/19 15:29	05/20/19 17:57	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/17/19 15:29	05/20/19 17:57	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/17/19 15:29	05/20/19 17:57	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		05/17/19 15:29	05/20/19 17:57	1
Caprolactam	2.3	J	5.0	2.2	ug/L		05/17/19 15:29	05/20/19 17:57	1
Carbazole	ND		5.0	0.30	ug/L		05/17/19 15:29	05/20/19 17:57	1
Chrysene	1.5	J F1 F2	5.0	0.33	ug/L		05/17/19 15:29	05/20/19 17:57	1
Dibenz(a,h)anthracene	0.44	J	5.0	0.42	ug/L		05/17/19 15:29	05/20/19 17:57	1
Dibenzofuran	ND		10	0.51	ug/L		05/17/19 15:29	05/20/19 17:57	1
Diethyl phthalate	ND	F2	5.0	0.22	ug/L		05/17/19 15:29	05/20/19 17:57	1
Dimethyl phthalate	ND	F2	5.0	0.36	ug/L		05/17/19 15:29	05/20/19 17:57	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		05/17/19 15:29	05/20/19 17:57	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		05/17/19 15:29	05/20/19 17:57	1
Fluoranthene	2.2	J F1 F2	5.0	0.40	ug/L		05/17/19 15:29	05/20/19 17:57	1
Fluorene	ND		5.0	0.36	ug/L		05/17/19 15:29	05/20/19 17:57	1
Hexachlorobenzene	ND	F1	5.0	0.51	ug/L		05/17/19 15:29	05/20/19 17:57	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		05/17/19 15:29	05/20/19 17:57	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		05/17/19 15:29	05/20/19 17:57	1
Hexachloroethane	ND		5.0	0.59	ug/L		05/17/19 15:29	05/20/19 17:57	1
Indeno[1,2,3-cd]pyrene	0.96	J	5.0	0.47	ug/L		05/17/19 15:29	05/20/19 17:57	1
Isophorone	ND		5.0	0.43	ug/L		05/17/19 15:29	05/20/19 17:57	1
Naphthalene	ND		5.0	0.76	ug/L		05/17/19 15:29	05/20/19 17:57	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/17/19 15:29	05/20/19 17:57	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/17/19 15:29	05/20/19 17:57	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		05/17/19 15:29	05/20/19 17:57	1
Pentachlorophenol	ND		10	2.2	ug/L		05/17/19 15:29	05/20/19 17:57	1
Phenanthrene	0.94	J	5.0	0.44	ug/L		05/17/19 15:29	05/20/19 17:57	1
Phenol	ND		5.0	0.39	ug/L		05/17/19 15:29	05/20/19 17:57	1
Pyrene	2.0	J F1 F2	5.0	0.34	ug/L		05/17/19 15:29	05/20/19 17:57	1
Pyridine	ND	F1	25	0.41	ug/L		05/17/19 15:29	05/20/19 17:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	121	X	41 - 120	05/17/19 15:29	05/20/19 17:57	1
2-Fluorobiphenyl	100		48 - 120	05/17/19 15:29	05/20/19 17:57	1
2-Fluorophenol (Surr)	67		35 - 120	05/17/19 15:29	05/20/19 17:57	1
Nitrobenzene-d5 (Surr)	84		46 - 120	05/17/19 15:29	05/20/19 17:57	1
p-Terphenyl-d14 (Surr)	73		59 - 136	05/17/19 15:29	05/20/19 17:57	1
Phenol-d5 (Surr)	48		22 - 120	05/17/19 15:29	05/20/19 17:57	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND	H	50	2.3	ug/L		05/24/19 06:53	05/30/19 01:21	5
2,4,5-Trichlorophenol	ND	H	25	2.4	ug/L		05/24/19 06:53	05/30/19 01:21	5
2,4,6-Trichlorophenol	ND	H	25	3.1	ug/L		05/24/19 06:53	05/30/19 01:21	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Client Sample ID: **SAMPLE RM**

Lab Sample ID: **480-153638-1**

Date Collected: **05/14/19 10:30**

Matrix: **Water**

Date Received: **05/14/19 15:45**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND	H	25	2.6	ug/L		05/24/19 06:53	05/30/19 01:21	5
2,4-Dimethylphenol	ND	H	25	2.5	ug/L		05/24/19 06:53	05/30/19 01:21	5
2,4-Dinitrophenol	ND	H	50	11	ug/L		05/24/19 06:53	05/30/19 01:21	5
2,4-Dinitrotoluene	ND	H	25	2.2	ug/L		05/24/19 06:53	05/30/19 01:21	5
2,6-Dinitrotoluene	ND	H	25	2.0	ug/L		05/24/19 06:53	05/30/19 01:21	5
2-Chloronaphthalene	ND	H	25	2.3	ug/L		05/24/19 06:53	05/30/19 01:21	5
2-Chlorophenol	ND	H	25	2.7	ug/L		05/24/19 06:53	05/30/19 01:21	5
2-Methylnaphthalene	ND	H	25	3.0	ug/L		05/24/19 06:53	05/30/19 01:21	5
2-Methylphenol	ND	H	25	2.0	ug/L		05/24/19 06:53	05/30/19 01:21	5
2-Nitroaniline	ND	H	50	2.1	ug/L		05/24/19 06:53	05/30/19 01:21	5
2-Nitrophenol	ND	H	25	2.4	ug/L		05/24/19 06:53	05/30/19 01:21	5
3,3'-Dichlorobenzidine	ND	H F1	25	2.0	ug/L		05/24/19 06:53	05/30/19 01:21	5
3-Methylphenol	ND	H	50	2.0	ug/L		05/24/19 06:53	05/30/19 01:21	5
3-Nitroaniline	ND	H	50	2.4	ug/L		05/24/19 06:53	05/30/19 01:21	5
4,6-Dinitro-2-methylphenol	ND	H F2	50	11	ug/L		05/24/19 06:53	05/30/19 01:21	5
4-Bromophenyl phenyl ether	ND	H	25	2.3	ug/L		05/24/19 06:53	05/30/19 01:21	5
4-Chloro-3-methylphenol	ND	H	25	2.3	ug/L		05/24/19 06:53	05/30/19 01:21	5
4-Chloroaniline	ND	H F2	25	3.0	ug/L		05/24/19 06:53	05/30/19 01:21	5
4-Chlorophenyl phenyl ether	ND	H	25	1.8	ug/L		05/24/19 06:53	05/30/19 01:21	5
4-Methylphenol	ND	H	50	1.8	ug/L		05/24/19 06:53	05/30/19 01:21	5
4-Nitroaniline	ND	H	50	1.3	ug/L		05/24/19 06:53	05/30/19 01:21	5
4-Nitrophenol	ND	H	50	7.6	ug/L		05/24/19 06:53	05/30/19 01:21	5
Acenaphthene	ND	H	25	2.1	ug/L		05/24/19 06:53	05/30/19 01:21	5
Acenaphthylene	ND	H	25	1.9	ug/L		05/24/19 06:53	05/30/19 01:21	5
Acetophenone	ND	H	25	2.7	ug/L		05/24/19 06:53	05/30/19 01:21	5
Anthracene	ND	H F2 F1	25	1.4	ug/L		05/24/19 06:53	05/30/19 01:21	5
Atrazine	ND	H	25	2.3	ug/L		05/24/19 06:53	05/30/19 01:21	5
Benzaldehyde	ND	H	25	1.3	ug/L		05/24/19 06:53	05/30/19 01:21	5
Benzo[a]anthracene	9.5	J H F2 F1	25	1.8	ug/L		05/24/19 06:53	05/30/19 01:21	5
Benzo[a]pyrene	11	J H F2 F1	25	2.4	ug/L		05/24/19 06:53	05/30/19 01:21	5
Benzo[b]fluoranthene	15	J H F2 F1	25	1.7	ug/L		05/24/19 06:53	05/30/19 01:21	5
Benzo[g,h,i]perylene	8.4	J H F2	25	1.8	ug/L		05/24/19 06:53	05/30/19 01:21	5
Benzo[k]fluoranthene	7.1	J H F2 F1	25	3.7	ug/L		05/24/19 06:53	05/30/19 01:21	5
Biphenyl	ND	H	25	3.3	ug/L		05/24/19 06:53	05/30/19 01:21	5
bis (2-chloroisopropyl) ether	ND	H	25	2.6	ug/L		05/24/19 06:53	05/30/19 01:21	5
Bis(2-chloroethoxy)methane	ND	H	25	1.8	ug/L		05/24/19 06:53	05/30/19 01:21	5
Bis(2-chloroethyl)ether	ND	H	25	2.0	ug/L		05/24/19 06:53	05/30/19 01:21	5
Bis(2-ethylhexyl) phthalate	ND	H	25	11	ug/L		05/24/19 06:53	05/30/19 01:21	5
Butyl benzyl phthalate	ND	H	25	5.0	ug/L		05/24/19 06:53	05/30/19 01:21	5
Caprolactam	ND	H	25	11	ug/L		05/24/19 06:53	05/30/19 01:21	5
Carbazole	ND	H	25	1.5	ug/L		05/24/19 06:53	05/30/19 01:21	5
Chrysene	11	J H F2 F1	25	1.7	ug/L		05/24/19 06:53	05/30/19 01:21	5
Dibenz(a,h)anthracene	3.2	J H	25	2.1	ug/L		05/24/19 06:53	05/30/19 01:21	5
Dibenzofuran	ND	H	50	2.6	ug/L		05/24/19 06:53	05/30/19 01:21	5
Diethyl phthalate	ND	H	25	1.1	ug/L		05/24/19 06:53	05/30/19 01:21	5
Dimethyl phthalate	ND	H	25	1.8	ug/L		05/24/19 06:53	05/30/19 01:21	5
Di-n-butyl phthalate	ND	H	25	1.6	ug/L		05/24/19 06:53	05/30/19 01:21	5
Di-n-octyl phthalate	ND	H	25	2.4	ug/L		05/24/19 06:53	05/30/19 01:21	5
Fluoranthene	16	J H F2 F1	25	2.0	ug/L		05/24/19 06:53	05/30/19 01:21	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Client Sample ID: **SAMPLE RM**

Lab Sample ID: **480-153638-1**

Date Collected: 05/14/19 10:30

Matrix: Water

Date Received: 05/14/19 15:45

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND	H	25	1.8	ug/L		05/24/19 06:53	05/30/19 01:21	5
Hexachlorobenzene	ND	H	25	2.6	ug/L		05/24/19 06:53	05/30/19 01:21	5
Hexachlorobutadiene	ND	H F1	25	3.4	ug/L		05/24/19 06:53	05/30/19 01:21	5
Hexachlorocyclopentadiene	ND	H	25	3.0	ug/L		05/24/19 06:53	05/30/19 01:21	5
Hexachloroethane	ND	H	25	3.0	ug/L		05/24/19 06:53	05/30/19 01:21	5
Indeno[1,2,3-cd]pyrene	7.7	J H F2	25	2.4	ug/L		05/24/19 06:53	05/30/19 01:21	5
Isophorone	ND	H	25	2.2	ug/L		05/24/19 06:53	05/30/19 01:21	5
Naphthalene	ND	H	25	3.8	ug/L		05/24/19 06:53	05/30/19 01:21	5
Nitrobenzene	ND	H	25	1.5	ug/L		05/24/19 06:53	05/30/19 01:21	5
N-Nitrosodi-n-propylamine	ND	H	25	2.7	ug/L		05/24/19 06:53	05/30/19 01:21	5
N-Nitrosodiphenylamine	ND	H	25	2.6	ug/L		05/24/19 06:53	05/30/19 01:21	5
Pentachlorophenol	ND	H	50	11	ug/L		05/24/19 06:53	05/30/19 01:21	5
Phenanthrene	4.9	J H F2 F1	25	2.2	ug/L		05/24/19 06:53	05/30/19 01:21	5
Phenol	ND	H	25	2.0	ug/L		05/24/19 06:53	05/30/19 01:21	5
Pyrene	13	J H F2 F1	25	1.7	ug/L		05/24/19 06:53	05/30/19 01:21	5
Pyridine	ND	H F1	130	2.1	ug/L		05/24/19 06:53	05/30/19 01:21	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	125	X	41 - 120	05/24/19 06:53	05/30/19 01:21	5
2-Fluorobiphenyl	91		48 - 120	05/24/19 06:53	05/30/19 01:21	5
2-Fluorophenol (Surr)	55		35 - 120	05/24/19 06:53	05/30/19 01:21	5
Nitrobenzene-d5 (Surr)	67		46 - 120	05/24/19 06:53	05/30/19 01:21	5
p-Terphenyl-d14 (Surr)	66		59 - 136	05/24/19 06:53	05/30/19 01:21	5
Phenol-d5 (Surr)	43		22 - 120	05/24/19 06:53	05/30/19 01:21	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		2.5	1.5	ug/L		05/20/19 15:07	05/21/19 12:26	5
Endrin	ND	F1 F2	0.25	0.069	ug/L		05/20/19 15:07	05/21/19 12:26	5
gamma-BHC (Lindane)	ND		0.25	0.040	ug/L		05/20/19 15:07	05/21/19 12:26	5
Heptachlor	ND	F1 F2	0.25	0.043	ug/L		05/20/19 15:07	05/21/19 12:26	5
Heptachlor epoxide	ND	F1 F2	0.25	0.037	ug/L		05/20/19 15:07	05/21/19 12:26	5
Methoxychlor	ND	F1 F2	0.25	0.071	ug/L		05/20/19 15:07	05/21/19 12:26	5
Toxaphene	ND		2.5	0.60	ug/L		05/20/19 15:07	05/21/19 12:26	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	25		20 - 120	05/20/19 15:07	05/21/19 12:26	5
DCB Decachlorobiphenyl	42		20 - 120	05/20/19 15:07	05/21/19 12:26	5
Tetrachloro-m-xylene	64		44 - 120	05/20/19 15:07	05/21/19 12:26	5
Tetrachloro-m-xylene	38	X	44 - 120	05/20/19 15:07	05/21/19 12:26	5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.52	0.18	ug/L		05/22/19 08:18	05/23/19 16:11	1
PCB-1221	ND		0.52	0.18	ug/L		05/22/19 08:18	05/23/19 16:11	1
PCB-1232	ND		0.52	0.18	ug/L		05/22/19 08:18	05/23/19 16:11	1
PCB-1242	ND		0.52	0.18	ug/L		05/22/19 08:18	05/23/19 16:11	1
PCB-1248	ND		0.52	0.18	ug/L		05/22/19 08:18	05/23/19 16:11	1
PCB-1254	ND		0.52	0.26	ug/L		05/22/19 08:18	05/23/19 16:11	1
PCB-1260	ND	F2	0.52	0.26	ug/L		05/22/19 08:18	05/23/19 16:11	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Client Sample ID: **SAMPLE RM**

Lab Sample ID: **480-153638-1**

Date Collected: 05/14/19 10:30

Matrix: Water

Date Received: 05/14/19 15:45

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		0.52	0.26	ug/L		05/22/19 08:18	05/23/19 16:11	1
PCB-1268	ND		0.52	0.26	ug/L		05/22/19 08:18	05/23/19 16:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	103		39 - 121				05/22/19 08:18	05/23/19 16:11	1
Tetrachloro-m-xylene	86		39 - 121				05/22/19 08:18	05/23/19 16:11	1
DCB Decachlorobiphenyl	50		19 - 120				05/22/19 08:18	05/23/19 16:11	1
DCB Decachlorobiphenyl	44		19 - 120				05/22/19 08:18	05/23/19 16:11	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.52	0.052	ug/L		05/20/19 09:29	05/21/19 15:19	1
2,4-D	ND		0.52	0.18	ug/L		05/20/19 09:29	05/21/19 15:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	183	X	48 - 132				05/20/19 09:29	05/21/19 15:19	1
2,4-Dichlorophenylacetic acid	0	X	48 - 132				05/20/19 09:29	05/21/19 15:19	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.60		0.20	0.060	mg/L		05/20/19 13:23	05/23/19 18:32	1
Antimony	ND		0.020	0.0068	mg/L		05/20/19 13:23	05/23/19 18:32	1
Arsenic	ND		0.015	0.0056	mg/L		05/20/19 13:23	05/23/19 18:32	1
Barium	0.035		0.0020	0.00070	mg/L		05/20/19 13:23	05/23/19 18:32	1
Beryllium	ND		0.0020	0.00030	mg/L		05/20/19 13:23	05/23/19 18:32	1
Cadmium	ND		0.0020	0.00050	mg/L		05/20/19 13:23	05/23/19 18:32	1
Calcium	24.9		0.50	0.10	mg/L		05/20/19 13:23	05/23/19 18:32	1
Chromium	0.0033	J	0.0040	0.0010	mg/L		05/20/19 13:23	05/23/19 18:32	1
Cobalt	ND		0.0040	0.00063	mg/L		05/20/19 13:23	05/23/19 18:32	1
Copper	0.063		0.010	0.0016	mg/L		05/20/19 13:23	05/23/19 18:32	1
Iron	1.6		0.050	0.019	mg/L		05/20/19 13:23	05/23/19 18:32	1
Lead	0.031		0.010	0.0030	mg/L		05/20/19 13:23	05/23/19 18:32	1
Magnesium	4.0		0.20	0.043	mg/L		05/20/19 13:23	05/23/19 18:32	1
Manganese	0.090		0.0030	0.00040	mg/L		05/20/19 13:23	05/23/19 18:32	1
Nickel	0.0045	J	0.010	0.0013	mg/L		05/20/19 13:23	05/23/19 18:32	1
Potassium	2.9	B	0.50	0.10	mg/L		05/20/19 13:23	05/30/19 13:08	1
Selenium	ND		0.025	0.0087	mg/L		05/20/19 13:23	05/23/19 18:32	1
Silver	ND		0.0060	0.0017	mg/L		05/20/19 13:23	05/23/19 18:32	1
Sodium	23.6	B	1.0	0.32	mg/L		05/20/19 13:23	05/23/19 18:32	1
Thallium	ND		0.020	0.010	mg/L		05/20/19 13:23	05/23/19 18:32	1
Vanadium	0.0076		0.0050	0.0015	mg/L		05/20/19 13:23	05/23/19 18:32	1
Zinc	0.11		0.010	0.0015	mg/L		05/20/19 13:23	05/23/19 18:32	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/20/19 12:00	05/20/19 15:23	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Client Sample ID: B BLDG

Lab Sample ID: 480-153638-2

Date Collected: 05/14/19 12:00

Matrix: Water

Date Received: 05/14/19 15:45

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.050	0.0058	ug/L			05/24/19 13:45	1
1,2-Dichloroethane	ND		0.050	0.0050	ug/L			05/24/19 13:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		70 - 130					05/24/19 13:45	1
4-Bromofluorobenzene (Surr)	86		70 - 130					05/24/19 13:45	1
Dibromofluoromethane (Surr)	96		70 - 130					05/24/19 13:45	1
Toluene-d8 (Surr)	90		70 - 130					05/24/19 13:45	1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/23/19 04:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/23/19 04:58	1
Benzene	ND		1.0	0.41	ug/L			05/23/19 04:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/23/19 04:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/23/19 04:58	1
Chloroform	2.6		1.0	0.34	ug/L			05/23/19 04:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/23/19 04:58	1
Trichloroethene	ND		1.0	0.46	ug/L			05/23/19 04:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/23/19 04:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/23/19 04:58	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/23/19 04:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/23/19 04:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/23/19 04:58	1
Bromoform	ND		1.0	0.26	ug/L			05/23/19 04:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/23/19 04:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/23/19 04:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/23/19 04:58	1
Acetone	ND		10	3.0	ug/L			05/23/19 04:58	1
Methyl acetate	ND		2.5	1.3	ug/L			05/23/19 04:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/23/19 04:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/23/19 04:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/23/19 04:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/23/19 04:58	1
Chloromethane	ND		1.0	0.35	ug/L			05/23/19 04:58	1
Bromomethane	ND		1.0	0.69	ug/L			05/23/19 04:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/23/19 04:58	1
Toluene	ND		1.0	0.51	ug/L			05/23/19 04:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/23/19 04:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/23/19 04:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/23/19 04:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/23/19 04:58	1
Styrene	ND		1.0	0.73	ug/L			05/23/19 04:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/23/19 04:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/23/19 04:58	1
Chloroethane	ND		1.0	0.32	ug/L			05/23/19 04:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/23/19 04:58	1
2-Hexanone	ND		5.0	1.2	ug/L			05/23/19 04:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/23/19 04:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/23/19 04:58	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Client Sample ID: B BLDG

Lab Sample ID: 480-153638-2

Date Collected: 05/14/19 12:00

Matrix: Water

Date Received: 05/14/19 15:45

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		1.0	0.16	ug/L			05/23/19 04:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/23/19 04:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/23/19 04:58	1
Cyclohexane	ND		1.0	0.18	ug/L			05/23/19 04:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/23/19 04:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/23/19 04:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/23/19 04:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/23/19 04:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/23/19 04:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		05/23/19 04:58	1
4-Bromofluorobenzene (Surr)	92		73 - 120		05/23/19 04:58	1
Toluene-d8 (Surr)	90		80 - 120		05/23/19 04:58	1
Dibromofluoromethane (Surr)	93		75 - 123		05/23/19 04:58	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		50	2.3	ug/L		05/17/19 15:29	05/20/19 21:23	5
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		05/17/19 15:29	05/20/19 21:23	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		05/17/19 15:29	05/20/19 21:23	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		05/17/19 15:29	05/20/19 21:23	5
2,4-Dimethylphenol	ND		25	2.5	ug/L		05/17/19 15:29	05/20/19 21:23	5
2,4-Dinitrophenol	ND		50	11	ug/L		05/17/19 15:29	05/20/19 21:23	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		05/17/19 15:29	05/20/19 21:23	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		05/17/19 15:29	05/20/19 21:23	5
2-Chloronaphthalene	ND		25	2.3	ug/L		05/17/19 15:29	05/20/19 21:23	5
2-Chlorophenol	ND		25	2.7	ug/L		05/17/19 15:29	05/20/19 21:23	5
2-Methylnaphthalene	ND		25	3.0	ug/L		05/17/19 15:29	05/20/19 21:23	5
2-Methylphenol	ND		25	2.0	ug/L		05/17/19 15:29	05/20/19 21:23	5
2-Nitroaniline	ND		50	2.1	ug/L		05/17/19 15:29	05/20/19 21:23	5
2-Nitrophenol	ND		25	2.4	ug/L		05/17/19 15:29	05/20/19 21:23	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		05/17/19 15:29	05/20/19 21:23	5
3-Methylphenol	ND		50	2.0	ug/L		05/17/19 15:29	05/20/19 21:23	5
3-Nitroaniline	ND		50	2.4	ug/L		05/17/19 15:29	05/20/19 21:23	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		05/17/19 15:29	05/20/19 21:23	5
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		05/17/19 15:29	05/20/19 21:23	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		05/17/19 15:29	05/20/19 21:23	5
4-Chloroaniline	ND *		25	3.0	ug/L		05/17/19 15:29	05/20/19 21:23	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		05/17/19 15:29	05/20/19 21:23	5
4-Methylphenol	ND		50	1.8	ug/L		05/17/19 15:29	05/20/19 21:23	5
4-Nitroaniline	ND		50	1.3	ug/L		05/17/19 15:29	05/20/19 21:23	5
4-Nitrophenol	ND		50	7.6	ug/L		05/17/19 15:29	05/20/19 21:23	5
Acenaphthene	ND		25	2.1	ug/L		05/17/19 15:29	05/20/19 21:23	5
Acenaphthylene	ND		25	1.9	ug/L		05/17/19 15:29	05/20/19 21:23	5
Acetophenone	ND		25	2.7	ug/L		05/17/19 15:29	05/20/19 21:23	5
Anthracene	ND		25	1.4	ug/L		05/17/19 15:29	05/20/19 21:23	5
Atrazine	ND		25	2.3	ug/L		05/17/19 15:29	05/20/19 21:23	5
Benzaldehyde	ND		25	1.3	ug/L		05/17/19 15:29	05/20/19 21:23	5
Benzo[a]anthracene	ND		25	1.8	ug/L		05/17/19 15:29	05/20/19 21:23	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Client Sample ID: B BLDG

Lab Sample ID: 480-153638-2

Date Collected: 05/14/19 12:00

Matrix: Water

Date Received: 05/14/19 15:45

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		25	2.4	ug/L		05/17/19 15:29	05/20/19 21:23	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		05/17/19 15:29	05/20/19 21:23	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		05/17/19 15:29	05/20/19 21:23	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		05/17/19 15:29	05/20/19 21:23	5
Biphenyl	ND		25	3.3	ug/L		05/17/19 15:29	05/20/19 21:23	5
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		05/17/19 15:29	05/20/19 21:23	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		05/17/19 15:29	05/20/19 21:23	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		05/17/19 15:29	05/20/19 21:23	5
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		05/17/19 15:29	05/20/19 21:23	5
Butyl benzyl phthalate	ND		25	5.0	ug/L		05/17/19 15:29	05/20/19 21:23	5
Caprolactam	ND		25	11	ug/L		05/17/19 15:29	05/20/19 21:23	5
Carbazole	ND		25	1.5	ug/L		05/17/19 15:29	05/20/19 21:23	5
Chrysene	ND		25	1.7	ug/L		05/17/19 15:29	05/20/19 21:23	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		05/17/19 15:29	05/20/19 21:23	5
Dibenzofuran	ND		50	2.6	ug/L		05/17/19 15:29	05/20/19 21:23	5
Diethyl phthalate	ND		25	1.1	ug/L		05/17/19 15:29	05/20/19 21:23	5
Dimethyl phthalate	ND		25	1.8	ug/L		05/17/19 15:29	05/20/19 21:23	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		05/17/19 15:29	05/20/19 21:23	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		05/17/19 15:29	05/20/19 21:23	5
Fluoranthene	ND		25	2.0	ug/L		05/17/19 15:29	05/20/19 21:23	5
Fluorene	ND		25	1.8	ug/L		05/17/19 15:29	05/20/19 21:23	5
Hexachlorobenzene	ND		25	2.6	ug/L		05/17/19 15:29	05/20/19 21:23	5
Hexachlorobutadiene	ND		25	3.4	ug/L		05/17/19 15:29	05/20/19 21:23	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		05/17/19 15:29	05/20/19 21:23	5
Hexachloroethane	ND		25	3.0	ug/L		05/17/19 15:29	05/20/19 21:23	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		05/17/19 15:29	05/20/19 21:23	5
Isophorone	ND		25	2.2	ug/L		05/17/19 15:29	05/20/19 21:23	5
Naphthalene	ND		25	3.8	ug/L		05/17/19 15:29	05/20/19 21:23	5
Nitrobenzene	ND		25	1.5	ug/L		05/17/19 15:29	05/20/19 21:23	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		05/17/19 15:29	05/20/19 21:23	5
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		05/17/19 15:29	05/20/19 21:23	5
Pentachlorophenol	ND		50	11	ug/L		05/17/19 15:29	05/20/19 21:23	5
Phenanthrene	ND		25	2.2	ug/L		05/17/19 15:29	05/20/19 21:23	5
Phenol	ND		25	2.0	ug/L		05/17/19 15:29	05/20/19 21:23	5
Pyrene	ND		25	1.7	ug/L		05/17/19 15:29	05/20/19 21:23	5
Pyridine	ND		130	2.1	ug/L		05/17/19 15:29	05/20/19 21:23	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	89		41 - 120	05/17/19 15:29	05/20/19 21:23	5
2-Fluorobiphenyl	96		48 - 120	05/17/19 15:29	05/20/19 21:23	5
2-Fluorophenol (Surr)	69		35 - 120	05/17/19 15:29	05/20/19 21:23	5
Nitrobenzene-d5 (Surr)	80		46 - 120	05/17/19 15:29	05/20/19 21:23	5
p-Terphenyl-d14 (Surr)	80		59 - 136	05/17/19 15:29	05/20/19 21:23	5
Phenol-d5 (Surr)	45		22 - 120	05/17/19 15:29	05/20/19 21:23	5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND	H	50	2.3	ug/L		05/24/19 06:53	05/30/19 02:17	5
2,4,5-Trichlorophenol	ND	H	25	2.4	ug/L		05/24/19 06:53	05/30/19 02:17	5
2,4,6-Trichlorophenol	ND	H	25	3.1	ug/L		05/24/19 06:53	05/30/19 02:17	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Client Sample ID: B BLDG

Lab Sample ID: 480-153638-2

Date Collected: 05/14/19 12:00

Matrix: Water

Date Received: 05/14/19 15:45

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND	H	25	2.6	ug/L		05/24/19 06:53	05/30/19 02:17	5
2,4-Dimethylphenol	ND	H	25	2.5	ug/L		05/24/19 06:53	05/30/19 02:17	5
2,4-Dinitrophenol	ND	H	50	11	ug/L		05/24/19 06:53	05/30/19 02:17	5
2,4-Dinitrotoluene	ND	H	25	2.2	ug/L		05/24/19 06:53	05/30/19 02:17	5
2,6-Dinitrotoluene	ND	H	25	2.0	ug/L		05/24/19 06:53	05/30/19 02:17	5
2-Chloronaphthalene	ND	H	25	2.3	ug/L		05/24/19 06:53	05/30/19 02:17	5
2-Chlorophenol	ND	H	25	2.7	ug/L		05/24/19 06:53	05/30/19 02:17	5
2-Methylnaphthalene	ND	H	25	3.0	ug/L		05/24/19 06:53	05/30/19 02:17	5
2-Methylphenol	ND	H	25	2.0	ug/L		05/24/19 06:53	05/30/19 02:17	5
2-Nitroaniline	ND	H	50	2.1	ug/L		05/24/19 06:53	05/30/19 02:17	5
2-Nitrophenol	ND	H	25	2.4	ug/L		05/24/19 06:53	05/30/19 02:17	5
3,3'-Dichlorobenzidine	ND	H	25	2.0	ug/L		05/24/19 06:53	05/30/19 02:17	5
3-Methylphenol	ND	H	50	2.0	ug/L		05/24/19 06:53	05/30/19 02:17	5
3-Nitroaniline	ND	H	50	2.4	ug/L		05/24/19 06:53	05/30/19 02:17	5
4,6-Dinitro-2-methylphenol	ND	H	50	11	ug/L		05/24/19 06:53	05/30/19 02:17	5
4-Bromophenyl phenyl ether	ND	H	25	2.3	ug/L		05/24/19 06:53	05/30/19 02:17	5
4-Chloro-3-methylphenol	ND	H	25	2.3	ug/L		05/24/19 06:53	05/30/19 02:17	5
4-Chloroaniline	ND	H	25	3.0	ug/L		05/24/19 06:53	05/30/19 02:17	5
4-Chlorophenyl phenyl ether	ND	H	25	1.8	ug/L		05/24/19 06:53	05/30/19 02:17	5
4-Methylphenol	ND	H	50	1.8	ug/L		05/24/19 06:53	05/30/19 02:17	5
4-Nitroaniline	ND	H	50	1.3	ug/L		05/24/19 06:53	05/30/19 02:17	5
4-Nitrophenol	ND	H	50	7.6	ug/L		05/24/19 06:53	05/30/19 02:17	5
Acenaphthene	ND	H	25	2.1	ug/L		05/24/19 06:53	05/30/19 02:17	5
Acenaphthylene	ND	H	25	1.9	ug/L		05/24/19 06:53	05/30/19 02:17	5
Acetophenone	ND	H	25	2.7	ug/L		05/24/19 06:53	05/30/19 02:17	5
Anthracene	ND	H	25	1.4	ug/L		05/24/19 06:53	05/30/19 02:17	5
Atrazine	ND	H	25	2.3	ug/L		05/24/19 06:53	05/30/19 02:17	5
Benzaldehyde	ND	H	25	1.3	ug/L		05/24/19 06:53	05/30/19 02:17	5
Benzo[a]anthracene	ND	H	25	1.8	ug/L		05/24/19 06:53	05/30/19 02:17	5
Benzo[a]pyrene	ND	H	25	2.4	ug/L		05/24/19 06:53	05/30/19 02:17	5
Benzo[b]fluoranthene	ND	H	25	1.7	ug/L		05/24/19 06:53	05/30/19 02:17	5
Benzo[g,h,i]perylene	ND	H	25	1.8	ug/L		05/24/19 06:53	05/30/19 02:17	5
Benzo[k]fluoranthene	ND	H	25	3.7	ug/L		05/24/19 06:53	05/30/19 02:17	5
Biphenyl	ND	H	25	3.3	ug/L		05/24/19 06:53	05/30/19 02:17	5
bis (2-chloroisopropyl) ether	ND	H	25	2.6	ug/L		05/24/19 06:53	05/30/19 02:17	5
Bis(2-chloroethoxy)methane	ND	H	25	1.8	ug/L		05/24/19 06:53	05/30/19 02:17	5
Bis(2-chloroethyl)ether	ND	H	25	2.0	ug/L		05/24/19 06:53	05/30/19 02:17	5
Bis(2-ethylhexyl) phthalate	ND	H	25	11	ug/L		05/24/19 06:53	05/30/19 02:17	5
Butyl benzyl phthalate	ND	H	25	5.0	ug/L		05/24/19 06:53	05/30/19 02:17	5
Caprolactam	ND	H	25	11	ug/L		05/24/19 06:53	05/30/19 02:17	5
Carbazole	ND	H	25	1.5	ug/L		05/24/19 06:53	05/30/19 02:17	5
Chrysene	ND	H	25	1.7	ug/L		05/24/19 06:53	05/30/19 02:17	5
Dibenz(a,h)anthracene	ND	H	25	2.1	ug/L		05/24/19 06:53	05/30/19 02:17	5
Dibenzofuran	ND	H	50	2.6	ug/L		05/24/19 06:53	05/30/19 02:17	5
Diethyl phthalate	ND	H	25	1.1	ug/L		05/24/19 06:53	05/30/19 02:17	5
Dimethyl phthalate	ND	H	25	1.8	ug/L		05/24/19 06:53	05/30/19 02:17	5
Di-n-butyl phthalate	ND	H	25	1.6	ug/L		05/24/19 06:53	05/30/19 02:17	5
Di-n-octyl phthalate	ND	H	25	2.4	ug/L		05/24/19 06:53	05/30/19 02:17	5
Fluoranthene	ND	H	25	2.0	ug/L		05/24/19 06:53	05/30/19 02:17	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Client Sample ID: B BLDG

Lab Sample ID: 480-153638-2

Date Collected: 05/14/19 12:00

Matrix: Water

Date Received: 05/14/19 15:45

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND	H	25	1.8	ug/L		05/24/19 06:53	05/30/19 02:17	5
Hexachlorobenzene	ND	H	25	2.6	ug/L		05/24/19 06:53	05/30/19 02:17	5
Hexachlorobutadiene	ND	H	25	3.4	ug/L		05/24/19 06:53	05/30/19 02:17	5
Hexachlorocyclopentadiene	ND	H	25	3.0	ug/L		05/24/19 06:53	05/30/19 02:17	5
Hexachloroethane	ND	H	25	3.0	ug/L		05/24/19 06:53	05/30/19 02:17	5
Indeno[1,2,3-cd]pyrene	ND	H	25	2.4	ug/L		05/24/19 06:53	05/30/19 02:17	5
Isophorone	ND	H	25	2.2	ug/L		05/24/19 06:53	05/30/19 02:17	5
Naphthalene	ND	H	25	3.8	ug/L		05/24/19 06:53	05/30/19 02:17	5
Nitrobenzene	ND	H	25	1.5	ug/L		05/24/19 06:53	05/30/19 02:17	5
N-Nitrosodi-n-propylamine	ND	H	25	2.7	ug/L		05/24/19 06:53	05/30/19 02:17	5
N-Nitrosodiphenylamine	ND	H	25	2.6	ug/L		05/24/19 06:53	05/30/19 02:17	5
Pentachlorophenol	ND	H	50	11	ug/L		05/24/19 06:53	05/30/19 02:17	5
Phenanthrene	ND	H	25	2.2	ug/L		05/24/19 06:53	05/30/19 02:17	5
Phenol	ND	H	25	2.0	ug/L		05/24/19 06:53	05/30/19 02:17	5
Pyrene	ND	H	25	1.7	ug/L		05/24/19 06:53	05/30/19 02:17	5
Pyridine	ND	H	130	2.1	ug/L		05/24/19 06:53	05/30/19 02:17	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	127	X	41 - 120	05/24/19 06:53	05/30/19 02:17	5
2-Fluorobiphenyl	101		48 - 120	05/24/19 06:53	05/30/19 02:17	5
2-Fluorophenol (Surr)	65		35 - 120	05/24/19 06:53	05/30/19 02:17	5
Nitrobenzene-d5 (Surr)	77		46 - 120	05/24/19 06:53	05/30/19 02:17	5
p-Terphenyl-d14 (Surr)	86		59 - 136	05/24/19 06:53	05/30/19 02:17	5
Phenol-d5 (Surr)	45		22 - 120	05/24/19 06:53	05/30/19 02:17	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.50	0.29	ug/L		05/20/19 15:07	05/21/19 13:05	1
Endrin	ND		0.050	0.014	ug/L		05/20/19 15:07	05/21/19 13:05	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		05/20/19 15:07	05/21/19 13:05	1
Heptachlor	ND		0.050	0.0085	ug/L		05/20/19 15:07	05/21/19 13:05	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		05/20/19 15:07	05/21/19 13:05	1
Methoxychlor	ND		0.050	0.014	ug/L		05/20/19 15:07	05/21/19 13:05	1
Toxaphene	ND		0.50	0.12	ug/L		05/20/19 15:07	05/21/19 13:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	51		20 - 120	05/20/19 15:07	05/21/19 13:05	1
DCB Decachlorobiphenyl	47		20 - 120	05/20/19 15:07	05/21/19 13:05	1
Tetrachloro-m-xylene	68		44 - 120	05/20/19 15:07	05/21/19 13:05	1
Tetrachloro-m-xylene	53		44 - 120	05/20/19 15:07	05/21/19 13:05	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.52	0.18	ug/L		05/22/19 08:18	05/23/19 16:36	1
PCB-1221	ND		0.52	0.18	ug/L		05/22/19 08:18	05/23/19 16:36	1
PCB-1232	ND		0.52	0.18	ug/L		05/22/19 08:18	05/23/19 16:36	1
PCB-1242	ND		0.52	0.18	ug/L		05/22/19 08:18	05/23/19 16:36	1
PCB-1248	ND		0.52	0.18	ug/L		05/22/19 08:18	05/23/19 16:36	1
PCB-1254	ND		0.52	0.26	ug/L		05/22/19 08:18	05/23/19 16:36	1
PCB-1260	ND		0.52	0.26	ug/L		05/22/19 08:18	05/23/19 16:36	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Client Sample ID: B BLDG

Lab Sample ID: 480-153638-2

Date Collected: 05/14/19 12:00

Matrix: Water

Date Received: 05/14/19 15:45

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		0.52	0.26	ug/L		05/22/19 08:18	05/23/19 16:36	1
PCB-1268	ND		0.52	0.26	ug/L		05/22/19 08:18	05/23/19 16:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	137	X	39 - 121				05/22/19 08:18	05/23/19 16:36	1
Tetrachloro-m-xylene	100		39 - 121				05/22/19 08:18	05/23/19 16:36	1
DCB Decachlorobiphenyl	70		19 - 120				05/22/19 08:18	05/23/19 16:36	1
DCB Decachlorobiphenyl	63		19 - 120				05/22/19 08:18	05/23/19 16:36	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.51	0.051	ug/L		05/20/19 09:29	05/21/19 15:49	1
2,4-D	ND		0.51	0.17	ug/L		05/20/19 09:29	05/21/19 15:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	78		48 - 132				05/20/19 09:29	05/21/19 15:49	1
2,4-Dichlorophenylacetic acid	97		48 - 132				05/20/19 09:29	05/21/19 15:49	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.60		0.20	0.060	mg/L		05/20/19 13:23	05/23/19 19:01	1
Antimony	ND		0.020	0.0068	mg/L		05/20/19 13:23	05/23/19 19:01	1
Arsenic	ND		0.015	0.0056	mg/L		05/20/19 13:23	05/23/19 19:01	1
Barium	0.047		0.0020	0.00070	mg/L		05/20/19 13:23	05/23/19 19:01	1
Beryllium	ND		0.0020	0.00030	mg/L		05/20/19 13:23	05/23/19 19:01	1
Cadmium	ND		0.0020	0.00050	mg/L		05/20/19 13:23	05/23/19 19:01	1
Calcium	36.0		0.50	0.10	mg/L		05/20/19 13:23	05/23/19 19:01	1
Chromium	0.0028	J	0.0040	0.0010	mg/L		05/20/19 13:23	05/23/19 19:01	1
Cobalt	ND		0.0040	0.00063	mg/L		05/20/19 13:23	05/23/19 19:01	1
Copper	0.012		0.010	0.0016	mg/L		05/20/19 13:23	05/23/19 19:01	1
Iron	1.2		0.050	0.019	mg/L		05/20/19 13:23	05/23/19 19:01	1
Lead	0.0077	J	0.010	0.0030	mg/L		05/20/19 13:23	05/23/19 19:01	1
Magnesium	6.4		0.20	0.043	mg/L		05/20/19 13:23	05/23/19 19:01	1
Manganese	0.029		0.0030	0.00040	mg/L		05/20/19 13:23	05/23/19 19:01	1
Nickel	0.0017	J	0.010	0.0013	mg/L		05/20/19 13:23	05/23/19 19:01	1
Potassium	2.5	B	0.50	0.10	mg/L		05/20/19 13:23	05/23/19 19:01	1
Selenium	ND		0.025	0.0087	mg/L		05/20/19 13:23	05/23/19 19:01	1
Silver	ND		0.0060	0.0017	mg/L		05/20/19 13:23	05/23/19 19:01	1
Sodium	15.6	B	1.0	0.32	mg/L		05/20/19 13:23	05/23/19 19:01	1
Thallium	ND		0.020	0.010	mg/L		05/20/19 13:23	05/23/19 19:01	1
Vanadium	0.0023	J	0.0050	0.0015	mg/L		05/20/19 13:23	05/23/19 19:01	1
Zinc	0.076		0.010	0.0015	mg/L		05/20/19 13:23	05/23/19 19:01	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/20/19 12:00	05/20/19 15:28	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Client Sample ID: DUP-051419

Lab Sample ID: 480-153638-3

Date Collected: 05/14/19 00:00

Matrix: Water

Date Received: 05/14/19 15:45

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.050	0.0058	ug/L			05/24/19 14:13	1
1,2-Dichloroethane	ND		0.050	0.0050	ug/L			05/24/19 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81		70 - 130		05/24/19 14:13	1
4-Bromofluorobenzene (Surr)	85		70 - 130		05/24/19 14:13	1
Dibromofluoromethane (Surr)	90		70 - 130		05/24/19 14:13	1
Toluene-d8 (Surr)	90		70 - 130		05/24/19 14:13	1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/23/19 05:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/23/19 05:21	1
Benzene	ND		1.0	0.41	ug/L			05/23/19 05:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/23/19 05:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/23/19 05:21	1
Chloroform	2.4		1.0	0.34	ug/L			05/23/19 05:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/23/19 05:21	1
Trichloroethene	ND		1.0	0.46	ug/L			05/23/19 05:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/23/19 05:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/23/19 05:21	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/23/19 05:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/23/19 05:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/23/19 05:21	1
Bromoform	ND		1.0	0.26	ug/L			05/23/19 05:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/23/19 05:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/23/19 05:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/23/19 05:21	1
Acetone	ND		10	3.0	ug/L			05/23/19 05:21	1
Methyl acetate	ND		2.5	1.3	ug/L			05/23/19 05:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/23/19 05:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/23/19 05:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/23/19 05:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/23/19 05:21	1
Chloromethane	ND		1.0	0.35	ug/L			05/23/19 05:21	1
Bromomethane	ND		1.0	0.69	ug/L			05/23/19 05:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/23/19 05:21	1
Toluene	ND		1.0	0.51	ug/L			05/23/19 05:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/23/19 05:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/23/19 05:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/23/19 05:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/23/19 05:21	1
Styrene	ND		1.0	0.73	ug/L			05/23/19 05:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/23/19 05:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/23/19 05:21	1
Chloroethane	ND		1.0	0.32	ug/L			05/23/19 05:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/23/19 05:21	1
2-Hexanone	ND		5.0	1.2	ug/L			05/23/19 05:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/23/19 05:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/23/19 05:21	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Client Sample ID: DUP-051419

Lab Sample ID: 480-153638-3

Date Collected: 05/14/19 00:00

Matrix: Water

Date Received: 05/14/19 15:45

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		1.0	0.16	ug/L			05/23/19 05:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/23/19 05:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/23/19 05:21	1
Cyclohexane	ND		1.0	0.18	ug/L			05/23/19 05:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/23/19 05:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/23/19 05:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/23/19 05:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/23/19 05:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/23/19 05:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		05/23/19 05:21	1
4-Bromofluorobenzene (Surr)	91		73 - 120		05/23/19 05:21	1
Toluene-d8 (Surr)	90		80 - 120		05/23/19 05:21	1
Dibromofluoromethane (Surr)	96		75 - 123		05/23/19 05:21	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		10	0.46	ug/L		05/17/19 15:29	05/20/19 21:52	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		05/17/19 15:29	05/20/19 21:52	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		05/17/19 15:29	05/20/19 21:52	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/17/19 15:29	05/20/19 21:52	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		05/17/19 15:29	05/20/19 21:52	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		05/17/19 15:29	05/20/19 21:52	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		05/17/19 15:29	05/20/19 21:52	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		05/17/19 15:29	05/20/19 21:52	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/17/19 15:29	05/20/19 21:52	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/17/19 15:29	05/20/19 21:52	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		05/17/19 15:29	05/20/19 21:52	1
2-Methylphenol	ND		5.0	0.40	ug/L		05/17/19 15:29	05/20/19 21:52	1
2-Nitroaniline	ND		10	0.42	ug/L		05/17/19 15:29	05/20/19 21:52	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/17/19 15:29	05/20/19 21:52	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		05/17/19 15:29	05/20/19 21:52	1
3-Methylphenol	ND		10	0.40	ug/L		05/17/19 15:29	05/20/19 21:52	1
3-Nitroaniline	ND		10	0.48	ug/L		05/17/19 15:29	05/20/19 21:52	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		05/17/19 15:29	05/20/19 21:52	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		05/17/19 15:29	05/20/19 21:52	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/17/19 15:29	05/20/19 21:52	1
4-Chloroaniline	ND *		5.0	0.59	ug/L		05/17/19 15:29	05/20/19 21:52	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		05/17/19 15:29	05/20/19 21:52	1
4-Methylphenol	ND		10	0.36	ug/L		05/17/19 15:29	05/20/19 21:52	1
4-Nitroaniline	ND		10	0.25	ug/L		05/17/19 15:29	05/20/19 21:52	1
4-Nitrophenol	ND		10	1.5	ug/L		05/17/19 15:29	05/20/19 21:52	1
Acenaphthene	ND		5.0	0.41	ug/L		05/17/19 15:29	05/20/19 21:52	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/17/19 15:29	05/20/19 21:52	1
Acetophenone	ND		5.0	0.54	ug/L		05/17/19 15:29	05/20/19 21:52	1
Anthracene	ND		5.0	0.28	ug/L		05/17/19 15:29	05/20/19 21:52	1
Atrazine	ND		5.0	0.46	ug/L		05/17/19 15:29	05/20/19 21:52	1
Benzaldehyde	ND		5.0	0.27	ug/L		05/17/19 15:29	05/20/19 21:52	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/17/19 15:29	05/20/19 21:52	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Client Sample ID: DUP-051419

Lab Sample ID: 480-153638-3

Date Collected: 05/14/19 00:00

Matrix: Water

Date Received: 05/14/19 15:45

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/17/19 15:29	05/20/19 21:52	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/17/19 15:29	05/20/19 21:52	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/17/19 15:29	05/20/19 21:52	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/17/19 15:29	05/20/19 21:52	1
Biphenyl	ND		5.0	0.65	ug/L		05/17/19 15:29	05/20/19 21:52	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		05/17/19 15:29	05/20/19 21:52	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		05/17/19 15:29	05/20/19 21:52	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/17/19 15:29	05/20/19 21:52	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/17/19 15:29	05/20/19 21:52	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		05/17/19 15:29	05/20/19 21:52	1
Caprolactam	ND		5.0	2.2	ug/L		05/17/19 15:29	05/20/19 21:52	1
Carbazole	ND		5.0	0.30	ug/L		05/17/19 15:29	05/20/19 21:52	1
Chrysene	ND		5.0	0.33	ug/L		05/17/19 15:29	05/20/19 21:52	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/17/19 15:29	05/20/19 21:52	1
Dibenzofuran	ND		10	0.51	ug/L		05/17/19 15:29	05/20/19 21:52	1
Diethyl phthalate	ND		5.0	0.22	ug/L		05/17/19 15:29	05/20/19 21:52	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		05/17/19 15:29	05/20/19 21:52	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		05/17/19 15:29	05/20/19 21:52	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		05/17/19 15:29	05/20/19 21:52	1
Fluoranthene	ND		5.0	0.40	ug/L		05/17/19 15:29	05/20/19 21:52	1
Fluorene	ND		5.0	0.36	ug/L		05/17/19 15:29	05/20/19 21:52	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		05/17/19 15:29	05/20/19 21:52	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		05/17/19 15:29	05/20/19 21:52	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		05/17/19 15:29	05/20/19 21:52	1
Hexachloroethane	ND		5.0	0.59	ug/L		05/17/19 15:29	05/20/19 21:52	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/17/19 15:29	05/20/19 21:52	1
Isophorone	ND		5.0	0.43	ug/L		05/17/19 15:29	05/20/19 21:52	1
Naphthalene	ND		5.0	0.76	ug/L		05/17/19 15:29	05/20/19 21:52	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/17/19 15:29	05/20/19 21:52	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/17/19 15:29	05/20/19 21:52	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		05/17/19 15:29	05/20/19 21:52	1
Pentachlorophenol	ND		10	2.2	ug/L		05/17/19 15:29	05/20/19 21:52	1
Phenanthrene	ND		5.0	0.44	ug/L		05/17/19 15:29	05/20/19 21:52	1
Phenol	ND		5.0	0.39	ug/L		05/17/19 15:29	05/20/19 21:52	1
Pyrene	ND		5.0	0.34	ug/L		05/17/19 15:29	05/20/19 21:52	1
Pyridine	ND		25	0.41	ug/L		05/17/19 15:29	05/20/19 21:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	116		41 - 120	05/17/19 15:29	05/20/19 21:52	1
2-Fluorobiphenyl	104		48 - 120	05/17/19 15:29	05/20/19 21:52	1
2-Fluorophenol (Surr)	75		35 - 120	05/17/19 15:29	05/20/19 21:52	1
Nitrobenzene-d5 (Surr)	91		46 - 120	05/17/19 15:29	05/20/19 21:52	1
p-Terphenyl-d14 (Surr)	85		59 - 136	05/17/19 15:29	05/20/19 21:52	1
Phenol-d5 (Surr)	52		22 - 120	05/17/19 15:29	05/20/19 21:52	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND	H	10	0.46	ug/L		05/24/19 06:53	05/30/19 02:45	1
2,4,5-Trichlorophenol	ND	H	5.0	0.48	ug/L		05/24/19 06:53	05/30/19 02:45	1
2,4,6-Trichlorophenol	ND	H	5.0	0.61	ug/L		05/24/19 06:53	05/30/19 02:45	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Client Sample ID: DUP-051419

Lab Sample ID: 480-153638-3

Date Collected: 05/14/19 00:00

Matrix: Water

Date Received: 05/14/19 15:45

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND	H	5.0	0.51	ug/L		05/24/19 06:53	05/30/19 02:45	1
2,4-Dimethylphenol	ND	H	5.0	0.50	ug/L		05/24/19 06:53	05/30/19 02:45	1
2,4-Dinitrophenol	ND	H	10	2.2	ug/L		05/24/19 06:53	05/30/19 02:45	1
2,4-Dinitrotoluene	ND	H	5.0	0.45	ug/L		05/24/19 06:53	05/30/19 02:45	1
2,6-Dinitrotoluene	ND	H	5.0	0.40	ug/L		05/24/19 06:53	05/30/19 02:45	1
2-Chloronaphthalene	ND	H	5.0	0.46	ug/L		05/24/19 06:53	05/30/19 02:45	1
2-Chlorophenol	ND	H	5.0	0.53	ug/L		05/24/19 06:53	05/30/19 02:45	1
2-Methylnaphthalene	ND	H	5.0	0.60	ug/L		05/24/19 06:53	05/30/19 02:45	1
2-Methylphenol	ND	H	5.0	0.40	ug/L		05/24/19 06:53	05/30/19 02:45	1
2-Nitroaniline	ND	H	10	0.42	ug/L		05/24/19 06:53	05/30/19 02:45	1
2-Nitrophenol	ND	H	5.0	0.48	ug/L		05/24/19 06:53	05/30/19 02:45	1
3,3'-Dichlorobenzidine	ND	H	5.0	0.40	ug/L		05/24/19 06:53	05/30/19 02:45	1
3-Methylphenol	ND	H	10	0.40	ug/L		05/24/19 06:53	05/30/19 02:45	1
3-Nitroaniline	ND	H	10	0.48	ug/L		05/24/19 06:53	05/30/19 02:45	1
4,6-Dinitro-2-methylphenol	ND	H	10	2.2	ug/L		05/24/19 06:53	05/30/19 02:45	1
4-Bromophenyl phenyl ether	ND	H	5.0	0.45	ug/L		05/24/19 06:53	05/30/19 02:45	1
4-Chloro-3-methylphenol	ND	H	5.0	0.45	ug/L		05/24/19 06:53	05/30/19 02:45	1
4-Chloroaniline	ND	H	5.0	0.59	ug/L		05/24/19 06:53	05/30/19 02:45	1
4-Chlorophenyl phenyl ether	ND	H	5.0	0.35	ug/L		05/24/19 06:53	05/30/19 02:45	1
4-Methylphenol	ND	H	10	0.36	ug/L		05/24/19 06:53	05/30/19 02:45	1
4-Nitroaniline	ND	H	10	0.25	ug/L		05/24/19 06:53	05/30/19 02:45	1
4-Nitrophenol	ND	H	10	1.5	ug/L		05/24/19 06:53	05/30/19 02:45	1
Acenaphthene	ND	H	5.0	0.41	ug/L		05/24/19 06:53	05/30/19 02:45	1
Acenaphthylene	ND	H	5.0	0.38	ug/L		05/24/19 06:53	05/30/19 02:45	1
Acetophenone	ND	H	5.0	0.54	ug/L		05/24/19 06:53	05/30/19 02:45	1
Anthracene	ND	H	5.0	0.28	ug/L		05/24/19 06:53	05/30/19 02:45	1
Atrazine	ND	H	5.0	0.46	ug/L		05/24/19 06:53	05/30/19 02:45	1
Benzaldehyde	ND	H	5.0	0.27	ug/L		05/24/19 06:53	05/30/19 02:45	1
Benzo[a]anthracene	ND	H	5.0	0.36	ug/L		05/24/19 06:53	05/30/19 02:45	1
Benzo[a]pyrene	ND	H	5.0	0.47	ug/L		05/24/19 06:53	05/30/19 02:45	1
Benzo[b]fluoranthene	ND	H	5.0	0.34	ug/L		05/24/19 06:53	05/30/19 02:45	1
Benzo[g,h,i]perylene	ND	H	5.0	0.35	ug/L		05/24/19 06:53	05/30/19 02:45	1
Benzo[k]fluoranthene	ND	H	5.0	0.73	ug/L		05/24/19 06:53	05/30/19 02:45	1
Biphenyl	ND	H	5.0	0.65	ug/L		05/24/19 06:53	05/30/19 02:45	1
bis (2-chloroisopropyl) ether	ND	H	5.0	0.52	ug/L		05/24/19 06:53	05/30/19 02:45	1
Bis(2-chloroethoxy)methane	ND	H	5.0	0.35	ug/L		05/24/19 06:53	05/30/19 02:45	1
Bis(2-chloroethyl)ether	ND	H	5.0	0.40	ug/L		05/24/19 06:53	05/30/19 02:45	1
Bis(2-ethylhexyl) phthalate	ND	H	5.0	2.2	ug/L		05/24/19 06:53	05/30/19 02:45	1
Butyl benzyl phthalate	ND	H	5.0	1.0	ug/L		05/24/19 06:53	05/30/19 02:45	1
Caprolactam	ND	H	5.0	2.2	ug/L		05/24/19 06:53	05/30/19 02:45	1
Carbazole	ND	H	5.0	0.30	ug/L		05/24/19 06:53	05/30/19 02:45	1
Chrysene	ND	H	5.0	0.33	ug/L		05/24/19 06:53	05/30/19 02:45	1
Dibenz(a,h)anthracene	ND	H	5.0	0.42	ug/L		05/24/19 06:53	05/30/19 02:45	1
Dibenzofuran	ND	H	10	0.51	ug/L		05/24/19 06:53	05/30/19 02:45	1
Diethyl phthalate	ND	H	5.0	0.22	ug/L		05/24/19 06:53	05/30/19 02:45	1
Dimethyl phthalate	ND	H	5.0	0.36	ug/L		05/24/19 06:53	05/30/19 02:45	1
Di-n-butyl phthalate	ND	H	5.0	0.31	ug/L		05/24/19 06:53	05/30/19 02:45	1
Di-n-octyl phthalate	ND	H	5.0	0.47	ug/L		05/24/19 06:53	05/30/19 02:45	1
Fluoranthene	ND	H	5.0	0.40	ug/L		05/24/19 06:53	05/30/19 02:45	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Client Sample ID: DUP-051419

Lab Sample ID: 480-153638-3

Date Collected: 05/14/19 00:00

Matrix: Water

Date Received: 05/14/19 15:45

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND	H	5.0	0.36	ug/L		05/24/19 06:53	05/30/19 02:45	1
Hexachlorobenzene	ND	H	5.0	0.51	ug/L		05/24/19 06:53	05/30/19 02:45	1
Hexachlorobutadiene	ND	H	5.0	0.68	ug/L		05/24/19 06:53	05/30/19 02:45	1
Hexachlorocyclopentadiene	ND	H	5.0	0.59	ug/L		05/24/19 06:53	05/30/19 02:45	1
Hexachloroethane	ND	H	5.0	0.59	ug/L		05/24/19 06:53	05/30/19 02:45	1
Indeno[1,2,3-cd]pyrene	ND	H	5.0	0.47	ug/L		05/24/19 06:53	05/30/19 02:45	1
Isophorone	ND	H	5.0	0.43	ug/L		05/24/19 06:53	05/30/19 02:45	1
Naphthalene	ND	H	5.0	0.76	ug/L		05/24/19 06:53	05/30/19 02:45	1
Nitrobenzene	ND	H	5.0	0.29	ug/L		05/24/19 06:53	05/30/19 02:45	1
N-Nitrosodi-n-propylamine	ND	H	5.0	0.54	ug/L		05/24/19 06:53	05/30/19 02:45	1
N-Nitrosodiphenylamine	ND	H	5.0	0.51	ug/L		05/24/19 06:53	05/30/19 02:45	1
Pentachlorophenol	ND	H	10	2.2	ug/L		05/24/19 06:53	05/30/19 02:45	1
Phenanthrene	ND	H	5.0	0.44	ug/L		05/24/19 06:53	05/30/19 02:45	1
Phenol	ND	H	5.0	0.39	ug/L		05/24/19 06:53	05/30/19 02:45	1
Pyrene	ND	H	5.0	0.34	ug/L		05/24/19 06:53	05/30/19 02:45	1
Pyridine	ND	H	25	0.41	ug/L		05/24/19 06:53	05/30/19 02:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	134	X	41 - 120	05/24/19 06:53	05/30/19 02:45	1
2-Fluorobiphenyl	98		48 - 120	05/24/19 06:53	05/30/19 02:45	1
2-Fluorophenol (Surr)	63		35 - 120	05/24/19 06:53	05/30/19 02:45	1
Nitrobenzene-d5 (Surr)	76		46 - 120	05/24/19 06:53	05/30/19 02:45	1
p-Terphenyl-d14 (Surr)	82		59 - 136	05/24/19 06:53	05/30/19 02:45	1
Phenol-d5 (Surr)	45		22 - 120	05/24/19 06:53	05/30/19 02:45	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.50	0.29	ug/L		05/20/19 15:07	05/21/19 13:25	1
Endrin	ND		0.050	0.014	ug/L		05/20/19 15:07	05/21/19 13:25	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		05/20/19 15:07	05/21/19 13:25	1
Heptachlor	ND		0.050	0.0085	ug/L		05/20/19 15:07	05/21/19 13:25	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		05/20/19 15:07	05/21/19 13:25	1
Methoxychlor	ND		0.050	0.014	ug/L		05/20/19 15:07	05/21/19 13:25	1
Toxaphene	ND		0.50	0.12	ug/L		05/20/19 15:07	05/21/19 13:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	37		20 - 120	05/20/19 15:07	05/21/19 13:25	1
DCB Decachlorobiphenyl	41		20 - 120	05/20/19 15:07	05/21/19 13:25	1
Tetrachloro-m-xylene	81		44 - 120	05/20/19 15:07	05/21/19 13:25	1
Tetrachloro-m-xylene	69		44 - 120	05/20/19 15:07	05/21/19 13:25	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.52	0.18	ug/L		05/22/19 08:18	05/23/19 16:48	1
PCB-1221	ND		0.52	0.18	ug/L		05/22/19 08:18	05/23/19 16:48	1
PCB-1232	ND		0.52	0.18	ug/L		05/22/19 08:18	05/23/19 16:48	1
PCB-1242	ND		0.52	0.18	ug/L		05/22/19 08:18	05/23/19 16:48	1
PCB-1248	ND		0.52	0.18	ug/L		05/22/19 08:18	05/23/19 16:48	1
PCB-1254	ND		0.52	0.26	ug/L		05/22/19 08:18	05/23/19 16:48	1
PCB-1260	ND		0.52	0.26	ug/L		05/22/19 08:18	05/23/19 16:48	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Client Sample ID: DUP-051419

Lab Sample ID: 480-153638-3

Date Collected: 05/14/19 00:00

Matrix: Water

Date Received: 05/14/19 15:45

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		0.52	0.26	ug/L		05/22/19 08:18	05/23/19 16:48	1
PCB-1268	ND		0.52	0.26	ug/L		05/22/19 08:18	05/23/19 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	137	X	39 - 121				05/22/19 08:18	05/23/19 16:48	1
Tetrachloro-m-xylene	103		39 - 121				05/22/19 08:18	05/23/19 16:48	1
DCB Decachlorobiphenyl	69		19 - 120				05/22/19 08:18	05/23/19 16:48	1
DCB Decachlorobiphenyl	62		19 - 120				05/22/19 08:18	05/23/19 16:48	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.48	0.048	ug/L		05/20/19 09:29	05/21/19 16:19	1
2,4-D	ND		0.48	0.17	ug/L		05/20/19 09:29	05/21/19 16:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	131		48 - 132				05/20/19 09:29	05/21/19 16:19	1
2,4-Dichlorophenylacetic acid	0	X	48 - 132				05/20/19 09:29	05/21/19 16:19	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2.2		0.20	0.060	mg/L		05/20/19 13:23	05/23/19 19:04	1
Antimony	ND		0.020	0.0068	mg/L		05/20/19 13:23	05/23/19 19:04	1
Arsenic	ND		0.015	0.0056	mg/L		05/20/19 13:23	05/23/19 19:04	1
Barium	0.078		0.0020	0.00070	mg/L		05/20/19 13:23	05/23/19 19:04	1
Beryllium	ND		0.0020	0.00030	mg/L		05/20/19 13:23	05/23/19 19:04	1
Cadmium	ND		0.0020	0.00050	mg/L		05/20/19 13:23	05/23/19 19:04	1
Calcium	41.7		0.50	0.10	mg/L		05/20/19 13:23	05/23/19 19:04	1
Chromium	0.010		0.0040	0.0010	mg/L		05/20/19 13:23	05/23/19 19:04	1
Cobalt	0.0016	J	0.0040	0.00063	mg/L		05/20/19 13:23	05/23/19 19:04	1
Copper	0.045		0.010	0.0016	mg/L		05/20/19 13:23	05/23/19 19:04	1
Iron	5.2		0.050	0.019	mg/L		05/20/19 13:23	05/23/19 19:04	1
Lead	0.038		0.010	0.0030	mg/L		05/20/19 13:23	05/23/19 19:04	1
Magnesium	8.3		0.20	0.043	mg/L		05/20/19 13:23	05/23/19 19:04	1
Manganese	0.11		0.0030	0.00040	mg/L		05/20/19 13:23	05/23/19 19:04	1
Nickel	0.0093	J	0.010	0.0013	mg/L		05/20/19 13:23	05/23/19 19:04	1
Potassium	2.9	B	0.50	0.10	mg/L		05/20/19 13:23	05/23/19 19:04	1
Selenium	ND		0.025	0.0087	mg/L		05/20/19 13:23	05/23/19 19:04	1
Silver	ND		0.0060	0.0017	mg/L		05/20/19 13:23	05/23/19 19:04	1
Sodium	15.2	B	1.0	0.32	mg/L		05/20/19 13:23	05/23/19 19:04	1
Thallium	ND		0.020	0.010	mg/L		05/20/19 13:23	05/23/19 19:04	1
Vanadium	0.0062		0.0050	0.0015	mg/L		05/20/19 13:23	05/23/19 19:04	1
Zinc	0.20		0.010	0.0015	mg/L		05/20/19 13:23	05/23/19 19:04	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/20/19 12:00	05/20/19 15:29	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-130)	BFB (70-130)	DBFM (70-130)	TOL (70-130)
480-153638-1	SAMPLE RM	72	83	81	87
480-153638-1 MS	SAMPLE RM	83	86	96	91
480-153638-1 MSD	SAMPLE RM	83	86	94	91
480-153638-2	B BLDG	85	86	96	90
480-153638-3	DUP-051419	81	85	90	90
LCS 490-597452/3	Lab Control Sample	80	86	94	90
LCSD 490-597452/4	Lab Control Sample Dup	71	85	84	91
MB 490-597452/7	Method Blank	85	85	94	91

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-153638-1	SAMPLE RM	99	90	92	96
480-153638-1 MS	SAMPLE RM	94	92	92	93
480-153638-1 MSD	SAMPLE RM	95	92	91	95
480-153638-2	B BLDG	95	92	90	93
480-153638-3	DUP-051419	100	91	90	96
LCS 480-474259/5	Lab Control Sample	95	90	91	95
MB 480-474259/7	Method Blank	99	89	90	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	TPHd14 (59-136)	PHL (22-120)
480-153638-1	SAMPLE RM	121 X	100	67	84	73	48
480-153638-1 - RE	SAMPLE RM	125 X	91	55	67	66	43
480-153638-1 MS	SAMPLE RM	108	97	69	92	69	55
480-153638-1 MS - RE	SAMPLE RM	133 X	103	69	81	80	53
480-153638-1 MSD	SAMPLE RM	112	99	72	92	84	56
480-153638-1 MSD - RE	SAMPLE RM	132 X	102	69	77	63	54
480-153638-2	B BLDG	89	96	69	80	80	45
480-153638-2 - RE	B BLDG	127 X	101	65	77	86	45
480-153638-3	DUP-051419	116	104	75	91	85	52
480-153638-3 - RE	DUP-051419	134 X	98	63	76	82	45

Eurofins TestAmerica, Buffalo

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	TPHd14 (59-136)	PHL (22-120)
LCS 480-473479/2-A	Lab Control Sample	98	84	60	80	95	49
LCS 480-474520/2-A	Lab Control Sample	127 X	97	69	82	101	54
MB 480-473479/1-A	Method Blank	103	122 X	64	76	226 X *	41
MB 480-474520/1-A	Method Blank	120	106	67	84	106	49

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (20-120)	DCBP2 (20-120)	TCX1 (44-120)	TCX2 (44-120)
480-153638-1	SAMPLE RM	25	42	64	38 X
480-153638-1 MS	SAMPLE RM	27	151 X	40 X	31 X
480-153638-1 MSD	SAMPLE RM	43	52	67	40 X
480-153638-2	B BLDG	51	47	68	53
480-153638-3	DUP-051419	37	41	81	69
LCS 480-473769/2-A	Lab Control Sample	36	38	66	54
MB 480-473769/1-A	Method Blank	44	45	69	49

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (39-121)	TCX2 (39-121)	DCBP1 (19-120)	DCBP2 (19-120)
480-153638-1	SAMPLE RM	103	86	50	44
480-153638-1 MS	SAMPLE RM	120	84	64	55
480-153638-1 MSD	SAMPLE RM	87	72	33	29
480-153638-2	B BLDG	137 X	100	70	63
480-153638-3	DUP-051419	137 X	103	69	62
LCS 480-474079/2-A	Lab Control Sample	113	83	48	46
MB 480-474079/1-A	Method Blank	105	75	51	48

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPAA1 (48-132)	DCPAA2 (48-132)
480-153638-1	SAMPLE RM	183 X	0 X
480-153638-1 MS	SAMPLE RM	60	87
480-153638-1 MSD	SAMPLE RM	74	86
480-153638-2	B BLDG	78	97
480-153638-3	DUP-051419	131	0 X
LCS 480-473664/2-A	Lab Control Sample	56	59
MB 480-473664/1-A	Method Blank	57	65

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-597452/7

Matrix: Water

Analysis Batch: 597452

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.050	0.0058	ug/L			05/24/19 12:50	1
1,2-Dichloroethane	ND		0.050	0.0050	ug/L			05/24/19 12:50	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		70 - 130					05/24/19 12:50	1
4-Bromofluorobenzene (Surr)	85		70 - 130					05/24/19 12:50	1
Dibromofluoromethane (Surr)	94		70 - 130					05/24/19 12:50	1
Toluene-d8 (Surr)	91		70 - 130					05/24/19 12:50	1

Lab Sample ID: LCS 490-597452/3

Matrix: Water

Analysis Batch: 597452

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	1.00	1.03		ug/L		103	70 - 130
1,2-Dichloroethane	1.00	1.02		ug/L		102	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	80		70 - 130				
4-Bromofluorobenzene (Surr)	86		70 - 130				
Dibromofluoromethane (Surr)	94		70 - 130				
Toluene-d8 (Surr)	90		70 - 130				

Lab Sample ID: LCSD 490-597452/4

Matrix: Water

Analysis Batch: 597452

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,2-Dibromoethane	1.00	0.978		ug/L		98	70 - 130	5	13
1,2-Dichloroethane	1.00	0.902		ug/L		90	70 - 130	12	13
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	71		70 - 130						
4-Bromofluorobenzene (Surr)	85		70 - 130						
Dibromofluoromethane (Surr)	84		70 - 130						
Toluene-d8 (Surr)	91		70 - 130						

Lab Sample ID: 480-153638-1 MS

Matrix: Water

Analysis Batch: 597452

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	ND		1.00	1.10		ug/L		110	60 - 140
1,2-Dichloroethane	0.095		1.00	1.23		ug/L		113	60 - 140
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	83		70 - 130						

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8260B SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-153638-1 MS

Matrix: Water

Analysis Batch: 597452

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		70 - 130
Dibromofluoromethane (Surr)	96		70 - 130
Toluene-d8 (Surr)	91		70 - 130

Lab Sample ID: 480-153638-1 MSD

Matrix: Water

Analysis Batch: 597452

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane	ND		1.00	1.09		ug/L		109	60 - 140	1	21
1,2-Dichloroethane	0.095		1.00	1.21		ug/L		112	60 - 140	1	22

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	83		70 - 130
4-Bromofluorobenzene (Surr)	86		70 - 130
Dibromofluoromethane (Surr)	94		70 - 130
Toluene-d8 (Surr)	91		70 - 130

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-474259/7

Matrix: Water

Analysis Batch: 474259

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/22/19 21:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/22/19 21:57	1
Benzene	ND		1.0	0.41	ug/L			05/22/19 21:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/22/19 21:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/22/19 21:57	1
Chloroform	ND		1.0	0.34	ug/L			05/22/19 21:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/22/19 21:57	1
Trichloroethene	ND		1.0	0.46	ug/L			05/22/19 21:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/22/19 21:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/22/19 21:57	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/22/19 21:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/22/19 21:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/22/19 21:57	1
Bromoform	ND		1.0	0.26	ug/L			05/22/19 21:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/22/19 21:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/22/19 21:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/22/19 21:57	1
Acetone	ND		10	3.0	ug/L			05/22/19 21:57	1
Methyl acetate	ND		2.5	1.3	ug/L			05/22/19 21:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/22/19 21:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/22/19 21:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/22/19 21:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/22/19 21:57	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-474259/7

Matrix: Water

Analysis Batch: 474259

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			05/22/19 21:57	1
Bromomethane	ND		1.0	0.69	ug/L			05/22/19 21:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/22/19 21:57	1
Toluene	ND		1.0	0.51	ug/L			05/22/19 21:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/22/19 21:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/22/19 21:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/22/19 21:57	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/22/19 21:57	1
Styrene	ND		1.0	0.73	ug/L			05/22/19 21:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/22/19 21:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/22/19 21:57	1
Chloroethane	ND		1.0	0.32	ug/L			05/22/19 21:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/22/19 21:57	1
2-Hexanone	ND		5.0	1.2	ug/L			05/22/19 21:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/22/19 21:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/22/19 21:57	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/22/19 21:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/22/19 21:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/22/19 21:57	1
Cyclohexane	ND		1.0	0.18	ug/L			05/22/19 21:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/22/19 21:57	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/22/19 21:57	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/22/19 21:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/22/19 21:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/22/19 21:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		05/22/19 21:57	1
4-Bromofluorobenzene (Surr)	89		73 - 120		05/22/19 21:57	1
Toluene-d8 (Surr)	90		80 - 120		05/22/19 21:57	1
Dibromofluoromethane (Surr)	98		75 - 123		05/22/19 21:57	1

Lab Sample ID: LCS 480-474259/5

Matrix: Water

Analysis Batch: 474259

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	25.0	22.3		ug/L		89	75 - 120
2-Butanone (MEK)	125	119		ug/L		95	57 - 140
Benzene	25.0	23.2		ug/L		93	71 - 124
Carbon tetrachloride	25.0	25.5		ug/L		102	72 - 134
Chlorobenzene	25.0	22.5		ug/L		90	80 - 120
Chloroform	25.0	22.2		ug/L		89	73 - 127
Tetrachloroethene	25.0	23.5		ug/L		94	74 - 122
Trichloroethene	25.0	23.5		ug/L		94	74 - 123
Vinyl chloride	25.0	22.5		ug/L		90	65 - 133
1,1-Dichloroethene	25.0	21.6		ug/L		87	66 - 127
1,1,1-Trichloroethane	25.0	23.5		ug/L		94	73 - 126

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-474259/5

Matrix: Water

Analysis Batch: 474259

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	25.0	22.8		ug/L		91	74 - 124
Carbon disulfide	25.0	21.9		ug/L		87	59 - 134
Bromoform	25.0	24.7		ug/L		99	61 - 132
1,1-Dichloroethane	25.0	23.0		ug/L		92	77 - 120
1,2-Dichloropropane	25.0	23.4		ug/L		94	76 - 120
1,1,2-Trichloroethane	25.0	23.0		ug/L		92	76 - 122
Acetone	125	127		ug/L		102	56 - 142
Methyl acetate	50.0	44.4		ug/L		89	74 - 133
Dichlorodifluoromethane	25.0	19.8		ug/L		79	59 - 135
4-Methyl-2-pentanone (MIBK)	125	122		ug/L		97	71 - 125
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.2		ug/L		97	61 - 148
Methylene Chloride	25.0	21.7		ug/L		87	75 - 124
Chloromethane	25.0	20.0		ug/L		80	68 - 124
Bromomethane	25.0	22.1		ug/L		88	55 - 144
Dibromochloromethane	25.0	24.5		ug/L		98	75 - 125
Toluene	25.0	22.5		ug/L		90	80 - 122
1,2,4-Trichlorobenzene	25.0	22.9		ug/L		91	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	21.0		ug/L		84	56 - 134
1,3-Dichlorobenzene	25.0	22.2		ug/L		89	77 - 120
Methyl tert-butyl ether	25.0	22.7		ug/L		91	77 - 120
Styrene	25.0	22.4		ug/L		90	80 - 120
trans-1,2-Dichloroethene	25.0	22.7		ug/L		91	73 - 127
1,1,2,2-Tetrachloroethane	25.0	21.7		ug/L		87	76 - 120
Chloroethane	25.0	22.2		ug/L		89	69 - 136
1,2-Dichlorobenzene	25.0	23.0		ug/L		92	80 - 124
2-Hexanone	125	123		ug/L		99	65 - 127
Ethylbenzene	25.0	22.4		ug/L		89	77 - 123
Isopropylbenzene	25.0	23.0		ug/L		92	77 - 122
Methylcyclohexane	25.0	24.0		ug/L		96	68 - 134
Trichlorofluoromethane	25.0	23.9		ug/L		95	62 - 150
Cyclohexane	25.0	25.5		ug/L		102	59 - 135
trans-1,3-Dichloropropene	25.0	22.5		ug/L		90	80 - 120
cis-1,2-Dichloroethene	25.0	22.7		ug/L		91	74 - 124
1,2-Dibromoethane	25.0	22.9		ug/L		92	77 - 120
1,4-Dichlorobenzene	25.0	22.5		ug/L		90	80 - 120
Bromodichloromethane	25.0	22.9		ug/L		92	80 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		77 - 120
4-Bromofluorobenzene (Surr)	90		73 - 120
Toluene-d8 (Surr)	91		80 - 120
Dibromofluoromethane (Surr)	95		75 - 123

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-153638-1 MS

Matrix: Water

Analysis Batch: 474259

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	ND		25.0	21.1		ug/L		84	75 - 120
2-Butanone (MEK)	ND		125	103		ug/L		82	57 - 140
Benzene	ND		25.0	22.6		ug/L		91	71 - 124
Carbon tetrachloride	ND		25.0	25.1		ug/L		100	72 - 134
Chlorobenzene	ND		25.0	21.9		ug/L		88	80 - 120
Chloroform	ND		25.0	21.3		ug/L		85	73 - 127
Tetrachloroethene	ND		25.0	22.9		ug/L		92	74 - 122
Trichloroethene	ND		25.0	22.9		ug/L		91	74 - 123
Vinyl chloride	ND		25.0	21.6		ug/L		87	65 - 133
1,1-Dichloroethene	ND		25.0	21.7		ug/L		87	66 - 127
1,1,1-Trichloroethane	ND		25.0	23.8		ug/L		95	73 - 126
cis-1,3-Dichloropropene	ND		25.0	21.1		ug/L		84	74 - 124
Carbon disulfide	ND		25.0	21.3		ug/L		85	59 - 134
Bromoform	ND		25.0	20.4		ug/L		82	61 - 132
1,1-Dichloroethane	ND		25.0	22.8		ug/L		91	77 - 120
1,2-Dichloropropane	ND		25.0	23.0		ug/L		92	76 - 120
1,1,2-Trichloroethane	ND		25.0	21.4		ug/L		86	76 - 122
Acetone	3.3 J		125	101		ug/L		79	56 - 142
Methyl acetate	ND		50.0	37.9		ug/L		76	74 - 133
Dichlorodifluoromethane	ND		25.0	18.1		ug/L		72	59 - 135
4-Methyl-2-pentanone (MIBK)	ND		125	116		ug/L		93	71 - 125
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	23.1		ug/L		92	61 - 148
Methylene Chloride	ND		25.0	20.7		ug/L		83	75 - 124
Chloromethane	ND		25.0	18.8		ug/L		75	68 - 124
Bromomethane	ND		25.0	20.4		ug/L		82	55 - 144
Dibromochloromethane	ND		25.0	22.8		ug/L		91	75 - 125
Toluene	ND		25.0	21.9		ug/L		88	80 - 122
1,2,4-Trichlorobenzene	ND		25.0	20.2		ug/L		81	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	20.2		ug/L		81	56 - 134
1,3-Dichlorobenzene	ND		25.0	20.7		ug/L		83	77 - 120
Methyl tert-butyl ether	ND		25.0	20.8		ug/L		83	77 - 120
Styrene	ND		25.0	21.3		ug/L		85	80 - 120
trans-1,2-Dichloroethene	ND		25.0	22.9		ug/L		92	73 - 127
1,1,2,2-Tetrachloroethane	ND		25.0	21.5		ug/L		86	76 - 120
Chloroethane	37 F1 F2		25.0	57.9		ug/L		85	69 - 136
1,2-Dichlorobenzene	ND		25.0	21.1		ug/L		84	80 - 124
2-Hexanone	ND		125	115		ug/L		92	65 - 127
Ethylbenzene	ND		25.0	22.2		ug/L		89	77 - 123
Isopropylbenzene	ND		25.0	22.8		ug/L		91	77 - 122
Methylcyclohexane	ND		25.0	21.2		ug/L		85	68 - 134
Trichlorofluoromethane	ND		25.0	22.0		ug/L		88	62 - 150
Cyclohexane	ND		25.0	24.0		ug/L		96	59 - 135
trans-1,3-Dichloropropene	ND		25.0	21.3		ug/L		85	80 - 120
cis-1,2-Dichloroethene	ND		25.0	21.5		ug/L		86	74 - 124
1,2-Dibromoethane	ND		25.0	21.6		ug/L		87	77 - 120
1,4-Dichlorobenzene	ND		25.0	20.8		ug/L		83	78 - 124
Bromodichloromethane	ND		25.0	21.4		ug/L		85	80 - 122

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-153638-1 MS

Matrix: Water

Analysis Batch: 474259

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		77 - 120
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	92		80 - 120
Dibromofluoromethane (Surr)	93		75 - 123

Lab Sample ID: 480-153638-1 MSD

Matrix: Water

Analysis Batch: 474259

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloroethane	ND		25.0	22.1		ug/L		88	75 - 120	5	20
2-Butanone (MEK)	ND		125	110		ug/L		88	57 - 140	7	20
Benzene	ND		25.0	23.6		ug/L		94	71 - 124	4	13
Carbon tetrachloride	ND		25.0	26.2		ug/L		105	72 - 134	4	15
Chlorobenzene	ND		25.0	22.6		ug/L		91	80 - 120	3	25
Chloroform	ND		25.0	22.0		ug/L		88	73 - 127	3	20
Tetrachloroethene	ND		25.0	23.6		ug/L		94	74 - 122	3	20
Trichloroethene	ND		25.0	24.1		ug/L		96	74 - 123	5	16
Vinyl chloride	ND		25.0	23.7		ug/L		95	65 - 133	9	15
1,1-Dichloroethene	ND		25.0	21.9		ug/L		88	66 - 127	1	16
1,1,1-Trichloroethane	ND		25.0	24.2		ug/L		97	73 - 126	2	15
cis-1,3-Dichloropropene	ND		25.0	22.4		ug/L		89	74 - 124	6	15
Carbon disulfide	ND		25.0	21.4		ug/L		86	59 - 134	0	15
Bromoform	ND		25.0	21.3		ug/L		85	61 - 132	4	15
1,1-Dichloroethane	ND		25.0	23.4		ug/L		94	77 - 120	3	20
1,2-Dichloropropane	ND		25.0	24.0		ug/L		96	76 - 120	4	20
1,1,2-Trichloroethane	ND		25.0	22.8		ug/L		91	76 - 122	6	15
Acetone	3.3 J		125	107		ug/L		83	56 - 142	5	15
Methyl acetate	ND		50.0	40.7		ug/L		81	74 - 133	7	20
Dichlorodifluoromethane	ND		25.0	19.2		ug/L		77	59 - 135	6	20
4-Methyl-2-pentanone (MIBK)	ND		125	121		ug/L		97	71 - 125	4	35
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	22.9		ug/L		92	61 - 148	1	20
Methylene Chloride	ND		25.0	21.5		ug/L		86	75 - 124	4	15
Chloromethane	ND		25.0	21.3		ug/L		85	68 - 124	12	15
Bromomethane	ND		25.0	23.0		ug/L		92	55 - 144	12	15
Dibromochloromethane	ND		25.0	24.1		ug/L		96	75 - 125	6	15
Toluene	ND		25.0	22.9		ug/L		91	80 - 122	4	15
1,2,4-Trichlorobenzene	ND		25.0	19.9		ug/L		80	79 - 122	1	20
1,2-Dibromo-3-Chloropropane	ND		25.0	21.7		ug/L		87	56 - 134	7	15
1,3-Dichlorobenzene	ND		25.0	21.2		ug/L		85	77 - 120	2	20
Methyl tert-butyl ether	ND		25.0	21.9		ug/L		88	77 - 120	6	37
Styrene	ND		25.0	20.3		ug/L		81	80 - 120	5	20
trans-1,2-Dichloroethene	ND		25.0	23.7		ug/L		95	73 - 127	3	20
1,1,2,2-Tetrachloroethane	ND		25.0	21.3		ug/L		85	76 - 120	1	15
Chloroethane	37 F1 F2		25.0	125	E F1 F2	ug/L		355	69 - 136	74	15
1,2-Dichlorobenzene	ND		25.0	21.2		ug/L		85	80 - 124	1	20
2-Hexanone	ND		125	123		ug/L		99	65 - 127	7	15
Ethylbenzene	ND		25.0	22.7		ug/L		91	77 - 123	2	15

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-153638-1 MSD

Matrix: Water

Analysis Batch: 474259

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Isopropylbenzene	ND		25.0	22.2		ug/L		89	77 - 122	3	20
Methylcyclohexane	ND		25.0	20.9		ug/L		84	68 - 134	2	20
Trichlorofluoromethane	ND		25.0	24.2		ug/L		97	62 - 150	9	20
Cyclohexane	ND		25.0	24.3		ug/L		97	59 - 135	1	20
trans-1,3-Dichloropropene	ND		25.0	22.3		ug/L		89	80 - 120	5	15
cis-1,2-Dichloroethene	ND		25.0	22.1		ug/L		88	74 - 124	3	15
1,2-Dibromoethane	ND		25.0	22.5		ug/L		90	77 - 120	4	15
1,4-Dichlorobenzene	ND		25.0	20.9		ug/L		84	78 - 124	1	20
Bromodichloromethane	ND		25.0	22.4		ug/L		90	80 - 122	5	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		77 - 120
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	91		80 - 120
Dibromofluoromethane (Surr)	95		75 - 123

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-473479/1-A

Matrix: Water

Analysis Batch: 473721

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473479

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		10	0.46	ug/L		05/17/19 15:29	05/20/19 16:00	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		05/17/19 15:29	05/20/19 16:00	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		05/17/19 15:29	05/20/19 16:00	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/17/19 15:29	05/20/19 16:00	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		05/17/19 15:29	05/20/19 16:00	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		05/17/19 15:29	05/20/19 16:00	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		05/17/19 15:29	05/20/19 16:00	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		05/17/19 15:29	05/20/19 16:00	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/17/19 15:29	05/20/19 16:00	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/17/19 15:29	05/20/19 16:00	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		05/17/19 15:29	05/20/19 16:00	1
2-Methylphenol	ND		5.0	0.40	ug/L		05/17/19 15:29	05/20/19 16:00	1
2-Nitroaniline	ND		10	0.42	ug/L		05/17/19 15:29	05/20/19 16:00	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/17/19 15:29	05/20/19 16:00	1
3,3'-Dichlorobenzidine	ND *		5.0	0.40	ug/L		05/17/19 15:29	05/20/19 16:00	1
3-Methylphenol	ND		10	0.40	ug/L		05/17/19 15:29	05/20/19 16:00	1
3-Nitroaniline	ND		10	0.48	ug/L		05/17/19 15:29	05/20/19 16:00	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		05/17/19 15:29	05/20/19 16:00	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		05/17/19 15:29	05/20/19 16:00	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/17/19 15:29	05/20/19 16:00	1
4-Chloroaniline	ND		5.0	0.59	ug/L		05/17/19 15:29	05/20/19 16:00	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		05/17/19 15:29	05/20/19 16:00	1
4-Methylphenol	ND		10	0.36	ug/L		05/17/19 15:29	05/20/19 16:00	1
4-Nitroaniline	ND		10	0.25	ug/L		05/17/19 15:29	05/20/19 16:00	1
4-Nitrophenol	ND		10	1.5	ug/L		05/17/19 15:29	05/20/19 16:00	1
Acenaphthene	ND		5.0	0.41	ug/L		05/17/19 15:29	05/20/19 16:00	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-473479/1-A

Matrix: Water

Analysis Batch: 473721

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473479

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		5.0	0.38	ug/L		05/17/19 15:29	05/20/19 16:00	1
Acetophenone	ND		5.0	0.54	ug/L		05/17/19 15:29	05/20/19 16:00	1
Anthracene	ND		5.0	0.28	ug/L		05/17/19 15:29	05/20/19 16:00	1
Atrazine	ND		5.0	0.46	ug/L		05/17/19 15:29	05/20/19 16:00	1
Benzaldehyde	ND		5.0	0.27	ug/L		05/17/19 15:29	05/20/19 16:00	1
Benzo[a]anthracene	ND	*	5.0	0.36	ug/L		05/17/19 15:29	05/20/19 16:00	1
Benzo[a]pyrene	ND	*	5.0	0.47	ug/L		05/17/19 15:29	05/20/19 16:00	1
Benzo[b]fluoranthene	ND	*	5.0	0.34	ug/L		05/17/19 15:29	05/20/19 16:00	1
Benzo[g,h,i]perylene	ND	*	5.0	0.35	ug/L		05/17/19 15:29	05/20/19 16:00	1
Benzo[k]fluoranthene	ND	*	5.0	0.73	ug/L		05/17/19 15:29	05/20/19 16:00	1
Biphenyl	ND		5.0	0.65	ug/L		05/17/19 15:29	05/20/19 16:00	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		05/17/19 15:29	05/20/19 16:00	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		05/17/19 15:29	05/20/19 16:00	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/17/19 15:29	05/20/19 16:00	1
Bis(2-ethylhexyl) phthalate	ND	*	5.0	2.2	ug/L		05/17/19 15:29	05/20/19 16:00	1
Butyl benzyl phthalate	ND	*	5.0	1.0	ug/L		05/17/19 15:29	05/20/19 16:00	1
Caprolactam	ND		5.0	2.2	ug/L		05/17/19 15:29	05/20/19 16:00	1
Carbazole	ND		5.0	0.30	ug/L		05/17/19 15:29	05/20/19 16:00	1
Chrysene	ND	*	5.0	0.33	ug/L		05/17/19 15:29	05/20/19 16:00	1
Dibenz(a,h)anthracene	ND	*	5.0	0.42	ug/L		05/17/19 15:29	05/20/19 16:00	1
Dibenzofuran	ND		10	0.51	ug/L		05/17/19 15:29	05/20/19 16:00	1
Diethyl phthalate	ND		5.0	0.22	ug/L		05/17/19 15:29	05/20/19 16:00	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		05/17/19 15:29	05/20/19 16:00	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		05/17/19 15:29	05/20/19 16:00	1
Di-n-octyl phthalate	ND	*	5.0	0.47	ug/L		05/17/19 15:29	05/20/19 16:00	1
Fluoranthene	ND		5.0	0.40	ug/L		05/17/19 15:29	05/20/19 16:00	1
Fluorene	ND		5.0	0.36	ug/L		05/17/19 15:29	05/20/19 16:00	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		05/17/19 15:29	05/20/19 16:00	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		05/17/19 15:29	05/20/19 16:00	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		05/17/19 15:29	05/20/19 16:00	1
Hexachloroethane	ND		5.0	0.59	ug/L		05/17/19 15:29	05/20/19 16:00	1
Indeno[1,2,3-cd]pyrene	ND	*	5.0	0.47	ug/L		05/17/19 15:29	05/20/19 16:00	1
Isophorone	ND		5.0	0.43	ug/L		05/17/19 15:29	05/20/19 16:00	1
Naphthalene	ND		5.0	0.76	ug/L		05/17/19 15:29	05/20/19 16:00	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/17/19 15:29	05/20/19 16:00	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/17/19 15:29	05/20/19 16:00	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		05/17/19 15:29	05/20/19 16:00	1
Pentachlorophenol	ND		10	2.2	ug/L		05/17/19 15:29	05/20/19 16:00	1
Phenanthrene	ND		5.0	0.44	ug/L		05/17/19 15:29	05/20/19 16:00	1
Phenol	ND		5.0	0.39	ug/L		05/17/19 15:29	05/20/19 16:00	1
Pyrene	ND	*	5.0	0.34	ug/L		05/17/19 15:29	05/20/19 16:00	1
Pyridine	ND		25	0.41	ug/L		05/17/19 15:29	05/20/19 16:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	103		41 - 120	05/17/19 15:29	05/20/19 16:00	1
2-Fluorobiphenyl	122	X	48 - 120	05/17/19 15:29	05/20/19 16:00	1
2-Fluorophenol (Surr)	64		35 - 120	05/17/19 15:29	05/20/19 16:00	1
Nitrobenzene-d5 (Surr)	76		46 - 120	05/17/19 15:29	05/20/19 16:00	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-473479/1-A

Matrix: Water

Analysis Batch: 473721

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473479

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
%Recovery	Qualifier					
p-Terphenyl-d14 (Surr)	226	X *	59 - 136	05/17/19 15:29	05/20/19 16:00	1
Phenol-d5 (Surr)	41		22 - 120	05/17/19 15:29	05/20/19 16:00	1

Lab Sample ID: LCS 480-473479/2-A

Matrix: Water

Analysis Batch: 473721

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473479

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	32.0	23.1		ug/L		72	51 - 120
2,4,5-Trichlorophenol	32.0	30.8		ug/L		96	65 - 126
2,4,6-Trichlorophenol	32.0	29.1		ug/L		91	64 - 120
2,4-Dichlorophenol	32.0	27.2		ug/L		85	63 - 120
2,4-Dimethylphenol	32.0	25.9		ug/L		81	47 - 120
2,4-Dinitrophenol	64.0	66.5		ug/L		104	31 - 137
2,4-Dinitrotoluene	32.0	30.8		ug/L		96	69 - 120
2,6-Dinitrotoluene	32.0	30.1		ug/L		94	68 - 120
2-Chloronaphthalene	32.0	26.0		ug/L		81	58 - 120
2-Chlorophenol	32.0	24.7		ug/L		77	48 - 120
2-Methylnaphthalene	32.0	27.1		ug/L		85	59 - 120
2-Methylphenol	32.0	23.8		ug/L		74	39 - 120
2-Nitroaniline	32.0	28.0		ug/L		87	54 - 127
2-Nitrophenol	32.0	26.7		ug/L		83	52 - 125
3,3'-Dichlorobenzidine	64.0	46.6		ug/L		73	49 - 135
3-Methylphenol	32.0	23.6		ug/L		74	39 - 120
3-Nitroaniline	32.0	18.2		ug/L		57	51 - 120
4,6-Dinitro-2-methylphenol	64.0	73.2		ug/L		114	46 - 136
4-Bromophenyl phenyl ether	32.0	30.3		ug/L		95	65 - 120
4-Chloro-3-methylphenol	32.0	28.9		ug/L		90	61 - 123
4-Chloroaniline	32.0	9.09	*	ug/L		28	30 - 120
4-Chlorophenyl phenyl ether	32.0	29.8		ug/L		93	62 - 120
4-Methylphenol	32.0	23.6		ug/L		74	29 - 131
4-Nitroaniline	32.0	28.0		ug/L		88	65 - 120
4-Nitrophenol	64.0	46.8		ug/L		73	45 - 120
Acenaphthene	32.0	27.9		ug/L		87	60 - 120
Acenaphthylene	32.0	28.7		ug/L		90	63 - 120
Acetophenone	32.0	25.2		ug/L		79	45 - 120
Anthracene	32.0	29.9		ug/L		93	67 - 120
Atrazine	64.0	66.0		ug/L		103	71 - 130
Benzaldehyde	64.0	42.1		ug/L		66	10 - 140
Benzo[a]anthracene	32.0	30.9		ug/L		97	70 - 121
Benzo[a]pyrene	32.0	28.7		ug/L		90	60 - 123
Benzo[b]fluoranthene	32.0	30.8		ug/L		96	66 - 126
Benzo[g,h,i]perylene	32.0	31.1		ug/L		97	66 - 150
Benzo[k]fluoranthene	32.0	30.2		ug/L		94	65 - 124
Biphenyl	32.0	26.6		ug/L		83	59 - 120
bis (2-chloroisopropyl) ether	32.0	22.6		ug/L		70	21 - 136
Bis(2-chloroethoxy)methane	32.0	25.7		ug/L		80	50 - 128
Bis(2-chloroethyl)ether	32.0	28.8		ug/L		90	44 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-473479/2-A

Matrix: Water

Analysis Batch: 473721

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473479

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-ethylhexyl) phthalate	32.0	29.3		ug/L		91	63 - 139
Butyl benzyl phthalate	32.0	29.4		ug/L		92	70 - 129
Caprolactam	64.0	23.6		ug/L		37	22 - 120
Carbazole	32.0	34.7		ug/L		108	66 - 123
Chrysene	32.0	30.6		ug/L		96	69 - 120
Dibenz(a,h)anthracene	32.0	31.3		ug/L		98	65 - 135
Dibenzofuran	32.0	27.6		ug/L		86	66 - 120
Diethyl phthalate	32.0	31.3		ug/L		98	59 - 127
Dimethyl phthalate	32.0	29.6		ug/L		92	68 - 120
Di-n-butyl phthalate	32.0	32.0		ug/L		100	69 - 131
Di-n-octyl phthalate	32.0	29.1		ug/L		91	63 - 140
Fluoranthene	32.0	32.9		ug/L		103	69 - 126
Fluorene	32.0	29.8		ug/L		93	66 - 120
Hexachlorobenzene	32.0	31.5		ug/L		98	61 - 120
Hexachlorobutadiene	32.0	24.4		ug/L		76	35 - 120
Hexachlorocyclopentadiene	32.0	25.0		ug/L		78	31 - 120
Hexachloroethane	32.0	22.3		ug/L		70	43 - 120
Indeno[1,2,3-cd]pyrene	32.0	31.1		ug/L		97	69 - 146
Isophorone	32.0	26.3		ug/L		82	55 - 120
Naphthalene	32.0	24.8		ug/L		77	57 - 120
Nitrobenzene	32.0	25.1		ug/L		78	53 - 123
N-Nitrosodi-n-propylamine	32.0	26.3		ug/L		82	32 - 140
N-Nitrosodiphenylamine	32.0	28.0		ug/L		88	61 - 120
Pentachlorophenol	64.0	61.3		ug/L		96	29 - 136
Phenanthrene	32.0	31.2		ug/L		98	68 - 120
Phenol	32.0	16.2		ug/L		51	17 - 120
Pyrene	32.0	31.0		ug/L		97	70 - 125
Pyridine	64.0	17.2	J	ug/L		27	10 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	98		41 - 120
2-Fluorobiphenyl	84		48 - 120
2-Fluorophenol (Surr)	60		35 - 120
Nitrobenzene-d5 (Surr)	80		46 - 120
p-Terphenyl-d14 (Surr)	95		59 - 136
Phenol-d5 (Surr)	49		22 - 120

Lab Sample ID: 480-153638-1 MS

Matrix: Water

Analysis Batch: 473721

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Prep Batch: 473479

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	ND		32.0	26.4		ug/L		83	32 - 150
2,4,5-Trichlorophenol	ND		32.0	34.4		ug/L		108	65 - 126
2,4,6-Trichlorophenol	ND		32.0	36.7		ug/L		115	64 - 120
2,4-Dichlorophenol	ND		32.0	32.8		ug/L		103	48 - 132
2,4-Dimethylphenol	ND		32.0	31.0		ug/L		97	39 - 130
2,4-Dinitrophenol	ND		64.0	58.8		ug/L		92	21 - 150

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-153638-1 MS

Matrix: Water

Analysis Batch: 473721

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Prep Batch: 473479

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	ND	F2	32.0	26.8		ug/L		84	54 - 138
2,6-Dinitrotoluene	ND	F2	32.0	27.3		ug/L		85	17 - 150
2-Chloronaphthalene	ND		32.0	30.4		ug/L		95	52 - 124
2-Chlorophenol	ND		32.0	28.6		ug/L		89	48 - 120
2-Methylnaphthalene	ND		32.0	32.5		ug/L		102	34 - 140
2-Methylphenol	ND		32.0	27.8		ug/L		87	46 - 120
2-Nitroaniline	ND		32.0	27.2		ug/L		85	44 - 136
2-Nitrophenol	ND		32.0	31.7		ug/L		99	38 - 141
3,3'-Dichlorobenzidine	ND	F1	64.0	ND	F1	ug/L		0	10 - 150
3-Methylphenol	ND		32.0	27.7		ug/L		87	32 - 120
3-Nitroaniline	ND		32.0	13.2		ug/L		41	32 - 150
4,6-Dinitro-2-methylphenol	ND	F2	64.0	65.4		ug/L		102	38 - 150
4-Bromophenyl phenyl ether	ND	F2	32.0	31.8		ug/L		99	63 - 126
4-Chloro-3-methylphenol	ND		32.0	34.0		ug/L		106	64 - 127
4-Chloroaniline	ND	* F1 F2	32.0	3.50	J F1	ug/L		11	16 - 124
4-Chlorophenyl phenyl ether	ND		32.0	32.7		ug/L		102	61 - 120
4-Methylphenol	ND		32.0	27.7		ug/L		86	36 - 120
4-Nitroaniline	ND		32.0	21.0		ug/L		66	32 - 150
4-Nitrophenol	ND		64.0	41.9		ug/L		65	23 - 132
Acenaphthene	ND		32.0	32.7		ug/L		102	48 - 120
Acenaphthylene	ND		32.0	33.2		ug/L		104	63 - 120
Acetophenone	ND		32.0	29.2		ug/L		91	53 - 120
Anthracene	0.31	J	32.0	33.4		ug/L		104	65 - 122
Atrazine	ND		64.0	58.6		ug/L		92	50 - 150
Benzaldehyde	ND		64.0	48.4		ug/L		76	10 - 150
Benzo[a]anthracene	1.2	J F1 F2	32.0	43.9	F1	ug/L		133	43 - 124
Benzo[a]pyrene	1.5	J F1 F2	32.0	41.7	F1	ug/L		126	23 - 125
Benzo[b]fluoranthene	2.0	J F1 F2	32.0	47.6	F1	ug/L		143	27 - 127
Benzo[g,h,i]perylene	0.91	J	32.0	30.3		ug/L		92	16 - 147
Benzo[k]fluoranthene	1.1	J F2	32.0	37.3		ug/L		113	20 - 124
Biphenyl	ND		32.0	30.6		ug/L		96	57 - 120
bis (2-chloroisopropyl) ether	ND		32.0	26.0		ug/L		81	28 - 121
Bis(2-chloroethoxy)methane	ND		32.0	29.7		ug/L		93	44 - 128
Bis(2-chloroethyl)ether	ND		32.0	29.9		ug/L		93	45 - 120
Bis(2-ethylhexyl) phthalate	ND		32.0	29.5		ug/L		92	16 - 150
Butyl benzyl phthalate	ND		32.0	27.1		ug/L		85	51 - 140
Caprolactam	2.3	J	64.0	27.1		ug/L		39	10 - 120
Carbazole	ND		32.0	37.9		ug/L		118	16 - 148
Chrysene	1.5	J F1 F2	32.0	46.0	F1	ug/L		139	44 - 122
Dibenz(a,h)anthracene	0.44	J	32.0	26.7		ug/L		82	16 - 139
Dibenzofuran	ND		32.0	32.5		ug/L		102	60 - 120
Diethyl phthalate	ND	F2	32.0	26.3		ug/L		82	53 - 133
Dimethyl phthalate	ND	F2	32.0	25.2		ug/L		79	59 - 123
Di-n-butyl phthalate	ND		32.0	33.8		ug/L		106	65 - 129
Di-n-octyl phthalate	ND		32.0	29.5		ug/L		92	16 - 150
Fluoranthene	2.2	J F1 F2	32.0	62.3	F1	ug/L		188	63 - 129
Fluorene	ND		32.0	34.3		ug/L		107	62 - 120
Hexachlorobenzene	ND	F1	32.0	39.4	F1	ug/L		123	57 - 121
Hexachlorobutadiene	ND		32.0	29.5		ug/L		92	37 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-153638-1 MS

Matrix: Water

Analysis Batch: 473721

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Prep Batch: 473479

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorocyclopentadiene	ND		32.0	21.7		ug/L		68	21 - 120
Hexachloroethane	ND		32.0	25.9		ug/L		81	16 - 130
Indeno[1,2,3-cd]pyrene	0.96	J	32.0	32.4		ug/L		98	16 - 140
Isophorone	ND		32.0	30.8		ug/L		96	48 - 133
Naphthalene	ND		32.0	29.8		ug/L		93	45 - 120
Nitrobenzene	ND		32.0	31.6		ug/L		99	45 - 123
N-Nitrosodi-n-propylamine	ND		32.0	30.3		ug/L		95	49 - 120
N-Nitrosodiphenylamine	ND		32.0	29.3		ug/L		92	39 - 138
Pentachlorophenol	ND		64.0	74.6		ug/L		117	23 - 149
Phenanthrene	0.94	J	32.0	33.6		ug/L		102	65 - 122
Phenol	ND		32.0	18.4		ug/L		57	16 - 120
Pyrene	2.0	J F1 F2	32.0	47.3	F1	ug/L		142	58 - 128
Pyridine	ND	F1	64.0	24.6	J F1	ug/L		38	79 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	108		41 - 120
2-Fluorobiphenyl	97		48 - 120
2-Fluorophenol (Surr)	69		35 - 120
Nitrobenzene-d5 (Surr)	92		46 - 120
p-Terphenyl-d14 (Surr)	69		59 - 136
Phenol-d5 (Surr)	55		22 - 120

Lab Sample ID: 480-153638-1 MSD

Matrix: Water

Analysis Batch: 473721

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Prep Batch: 473479

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	ND		32.0	27.5		ug/L		86	32 - 150	4	36
2,4,5-Trichlorophenol	ND		32.0	34.1		ug/L		106	65 - 126	1	18
2,4,6-Trichlorophenol	ND		32.0	38.2		ug/L		119	64 - 120	4	19
2,4-Dichlorophenol	ND		32.0	33.5		ug/L		105	48 - 132	2	19
2,4-Dimethylphenol	ND		32.0	29.6		ug/L		93	39 - 130	5	42
2,4-Dinitrophenol	ND		64.0	58.8		ug/L		92	21 - 150	0	22
2,4-Dinitrotoluene	ND	F2	32.0	34.7	F2	ug/L		109	54 - 138	26	20
2,6-Dinitrotoluene	ND	F2	32.0	34.1	F2	ug/L		106	17 - 150	22	15
2-Chloronaphthalene	ND		32.0	30.7		ug/L		96	52 - 124	1	21
2-Chlorophenol	ND		32.0	29.1		ug/L		91	48 - 120	2	25
2-Methylnaphthalene	ND		32.0	31.9		ug/L		100	34 - 140	2	21
2-Methylphenol	ND		32.0	28.1		ug/L		88	46 - 120	1	27
2-Nitroaniline	ND		32.0	27.7		ug/L		87	44 - 136	2	15
2-Nitrophenol	ND		32.0	32.1		ug/L		100	38 - 141	1	18
3,3'-Dichlorobenzidine	ND	F1	64.0	4.10	J F1	ug/L		6	10 - 150	NC	25
3-Methylphenol	ND		32.0	27.4		ug/L		86	32 - 120	1	30
3-Nitroaniline	ND		32.0	14.0		ug/L		44	32 - 150	6	19
4,6-Dinitro-2-methylphenol	ND	F2	64.0	77.9	F2	ug/L		122	38 - 150	17	15
4-Bromophenyl phenyl ether	ND	F2	32.0	39.7	F2	ug/L		124	63 - 126	22	15
4-Chloro-3-methylphenol	ND		32.0	33.1		ug/L		103	64 - 127	3	27
4-Chloroaniline	ND	* F1 F2	32.0	6.67	F2	ug/L		21	16 - 124	62	22

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-153638-1 MSD

Matrix: Water

Analysis Batch: 473721

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Prep Batch: 473479

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Chlorophenyl phenyl ether	ND		32.0	33.9		ug/L		106	61 - 120	4	16
4-Methylphenol	ND		32.0	27.4		ug/L		86	36 - 120	1	24
4-Nitroaniline	ND		32.0	17.2		ug/L		54	32 - 150	20	24
4-Nitrophenol	ND		64.0	43.7		ug/L		68	23 - 132	4	48
Acenaphthene	ND		32.0	32.0		ug/L		100	48 - 120	2	24
Acenaphthylene	ND		32.0	33.3		ug/L		104	63 - 120	0	18
Acetophenone	ND		32.0	29.6		ug/L		92	53 - 120	1	20
Anthracene	0.31 J		32.0	32.9		ug/L		102	65 - 122	2	15
Atrazine	ND		64.0	65.0		ug/L		102	50 - 150	10	20
Benzaldehyde	ND		64.0	49.1		ug/L		77	10 - 150	2	20
Benzo[a]anthracene	1.2 J F1 F2		32.0	32.6	F2	ug/L		98	43 - 124	30	15
Benzo[a]pyrene	1.5 J F1 F2		32.0	28.6	F2	ug/L		85	23 - 125	37	15
Benzo[b]fluoranthene	2.0 J F1 F2		32.0	30.6	F2	ug/L		89	27 - 127	44	15
Benzo[g,h,i]perylene	0.91 J		32.0	29.1		ug/L		88	16 - 147	4	15
Benzo[k]fluoranthene	1.1 J F2		32.0	29.3	F2	ug/L		88	20 - 124	24	22
Biphenyl	ND		32.0	31.1		ug/L		97	57 - 120	2	20
bis (2-chloroisopropyl) ether	ND		32.0	25.7		ug/L		80	28 - 121	1	24
Bis(2-chloroethoxy)methane	ND		32.0	29.7		ug/L		93	44 - 128	0	17
Bis(2-chloroethyl)ether	ND		32.0	32.1		ug/L		100	45 - 120	7	21
Bis(2-ethylhexyl) phthalate	ND		32.0	31.9		ug/L		100	16 - 150	8	15
Butyl benzyl phthalate	ND		32.0	30.5		ug/L		95	51 - 140	12	16
Caprolactam	2.3 J		64.0	24.2		ug/L		34	10 - 120	11	20
Carbazole	ND		32.0	36.6		ug/L		114	16 - 148	3	20
Chrysene	1.5 J F1 F2		32.0	33.1	F2	ug/L		99	44 - 122	33	15
Dibenz(a,h)anthracene	0.44 J		32.0	29.9		ug/L		92	16 - 139	11	15
Dibenzofuran	ND		32.0	32.1		ug/L		100	60 - 120	1	15
Diethyl phthalate	ND F2		32.0	35.1	F2	ug/L		110	53 - 133	29	15
Dimethyl phthalate	ND F2		32.0	34.4	F2	ug/L		107	59 - 123	31	15
Di-n-butyl phthalate	ND		32.0	35.2		ug/L		110	65 - 129	4	15
Di-n-octyl phthalate	ND		32.0	33.5		ug/L		105	16 - 150	13	16
Fluoranthene	2.2 J F1 F2		32.0	39.4	F2	ug/L		116	63 - 129	45	15
Fluorene	ND		32.0	33.1		ug/L		103	62 - 120	4	15
Hexachlorobenzene	ND F1		32.0	39.8	F1	ug/L		124	57 - 121	1	15
Hexachlorobutadiene	ND		32.0	30.3		ug/L		95	37 - 120	3	44
Hexachlorocyclopentadiene	ND		32.0	23.5		ug/L		73	21 - 120	8	49
Hexachloroethane	ND		32.0	25.9		ug/L		81	16 - 130	0	46
Indeno[1,2,3-cd]pyrene	0.96 J		32.0	30.1		ug/L		91	16 - 140	7	15
Isophorone	ND		32.0	30.1		ug/L		94	48 - 133	2	17
Naphthalene	ND		32.0	28.9		ug/L		90	45 - 120	3	29
Nitrobenzene	ND		32.0	30.9		ug/L		97	45 - 123	2	24
N-Nitrosodi-n-propylamine	ND		32.0	30.4		ug/L		95	49 - 120	0	31
N-Nitrosodiphenylamine	ND		32.0	32.9		ug/L		103	39 - 138	12	15
Pentachlorophenol	ND		64.0	74.3		ug/L		116	23 - 149	0	37
Phenanthrene	0.94 J		32.0	38.0		ug/L		116	65 - 122	12	15
Phenol	ND		32.0	18.2		ug/L		57	16 - 120	1	34
Pyrene	2.0 J F1 F2		32.0	31.8	F2	ug/L		93	58 - 128	39	19
Pyridine	ND F1		64.0	29.0	F1	ug/L		45	79 - 120	16	49

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-153638-1 MSD

Matrix: Water

Analysis Batch: 473721

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Prep Batch: 473479

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
2,4,6-Tribromophenol (Surr)	112		41 - 120
2-Fluorobiphenyl	99		48 - 120
2-Fluorophenol (Surr)	72		35 - 120
Nitrobenzene-d5 (Surr)	92		46 - 120
p-Terphenyl-d14 (Surr)	84		59 - 136
Phenol-d5 (Surr)	56		22 - 120

Lab Sample ID: MB 480-474520/1-A

Matrix: Water

Analysis Batch: 475195

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474520

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		10	0.46	ug/L		05/24/19 06:53	05/29/19 23:29	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		05/24/19 06:53	05/29/19 23:29	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		05/24/19 06:53	05/29/19 23:29	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/24/19 06:53	05/29/19 23:29	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		05/24/19 06:53	05/29/19 23:29	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		05/24/19 06:53	05/29/19 23:29	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		05/24/19 06:53	05/29/19 23:29	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		05/24/19 06:53	05/29/19 23:29	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/24/19 06:53	05/29/19 23:29	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/24/19 06:53	05/29/19 23:29	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		05/24/19 06:53	05/29/19 23:29	1
2-Methylphenol	ND		5.0	0.40	ug/L		05/24/19 06:53	05/29/19 23:29	1
2-Nitroaniline	ND		10	0.42	ug/L		05/24/19 06:53	05/29/19 23:29	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/24/19 06:53	05/29/19 23:29	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		05/24/19 06:53	05/29/19 23:29	1
3-Methylphenol	ND		10	0.40	ug/L		05/24/19 06:53	05/29/19 23:29	1
3-Nitroaniline	ND		10	0.48	ug/L		05/24/19 06:53	05/29/19 23:29	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		05/24/19 06:53	05/29/19 23:29	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		05/24/19 06:53	05/29/19 23:29	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/24/19 06:53	05/29/19 23:29	1
4-Chloroaniline	ND		5.0	0.59	ug/L		05/24/19 06:53	05/29/19 23:29	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		05/24/19 06:53	05/29/19 23:29	1
4-Methylphenol	ND		10	0.36	ug/L		05/24/19 06:53	05/29/19 23:29	1
4-Nitroaniline	ND		10	0.25	ug/L		05/24/19 06:53	05/29/19 23:29	1
4-Nitrophenol	ND		10	1.5	ug/L		05/24/19 06:53	05/29/19 23:29	1
Acenaphthene	ND		5.0	0.41	ug/L		05/24/19 06:53	05/29/19 23:29	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/24/19 06:53	05/29/19 23:29	1
Acetophenone	ND		5.0	0.54	ug/L		05/24/19 06:53	05/29/19 23:29	1
Anthracene	ND		5.0	0.28	ug/L		05/24/19 06:53	05/29/19 23:29	1
Atrazine	ND		5.0	0.46	ug/L		05/24/19 06:53	05/29/19 23:29	1
Benzaldehyde	ND		5.0	0.27	ug/L		05/24/19 06:53	05/29/19 23:29	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/24/19 06:53	05/29/19 23:29	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/24/19 06:53	05/29/19 23:29	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/24/19 06:53	05/29/19 23:29	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/24/19 06:53	05/29/19 23:29	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/24/19 06:53	05/29/19 23:29	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-474520/1-A

Matrix: Water

Analysis Batch: 475195

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474520

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		05/24/19 06:53	05/29/19 23:29	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		05/24/19 06:53	05/29/19 23:29	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		05/24/19 06:53	05/29/19 23:29	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/24/19 06:53	05/29/19 23:29	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/24/19 06:53	05/29/19 23:29	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		05/24/19 06:53	05/29/19 23:29	1
Caprolactam	ND		5.0	2.2	ug/L		05/24/19 06:53	05/29/19 23:29	1
Carbazole	ND		5.0	0.30	ug/L		05/24/19 06:53	05/29/19 23:29	1
Chrysene	ND		5.0	0.33	ug/L		05/24/19 06:53	05/29/19 23:29	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/24/19 06:53	05/29/19 23:29	1
Dibenzofuran	ND		10	0.51	ug/L		05/24/19 06:53	05/29/19 23:29	1
Diethyl phthalate	ND		5.0	0.22	ug/L		05/24/19 06:53	05/29/19 23:29	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		05/24/19 06:53	05/29/19 23:29	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		05/24/19 06:53	05/29/19 23:29	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		05/24/19 06:53	05/29/19 23:29	1
Fluoranthene	ND		5.0	0.40	ug/L		05/24/19 06:53	05/29/19 23:29	1
Fluorene	ND		5.0	0.36	ug/L		05/24/19 06:53	05/29/19 23:29	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		05/24/19 06:53	05/29/19 23:29	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		05/24/19 06:53	05/29/19 23:29	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		05/24/19 06:53	05/29/19 23:29	1
Hexachloroethane	ND		5.0	0.59	ug/L		05/24/19 06:53	05/29/19 23:29	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/24/19 06:53	05/29/19 23:29	1
Isophorone	ND		5.0	0.43	ug/L		05/24/19 06:53	05/29/19 23:29	1
Naphthalene	ND		5.0	0.76	ug/L		05/24/19 06:53	05/29/19 23:29	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/24/19 06:53	05/29/19 23:29	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/24/19 06:53	05/29/19 23:29	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		05/24/19 06:53	05/29/19 23:29	1
Pentachlorophenol	ND		10	2.2	ug/L		05/24/19 06:53	05/29/19 23:29	1
Phenanthrene	ND		5.0	0.44	ug/L		05/24/19 06:53	05/29/19 23:29	1
Phenol	ND		5.0	0.39	ug/L		05/24/19 06:53	05/29/19 23:29	1
Pyrene	ND		5.0	0.34	ug/L		05/24/19 06:53	05/29/19 23:29	1
Pyridine	ND		25	0.41	ug/L		05/24/19 06:53	05/29/19 23:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	120		41 - 120	05/24/19 06:53	05/29/19 23:29	1
2-Fluorobiphenyl	106		48 - 120	05/24/19 06:53	05/29/19 23:29	1
2-Fluorophenol (Surr)	67		35 - 120	05/24/19 06:53	05/29/19 23:29	1
Nitrobenzene-d5 (Surr)	84		46 - 120	05/24/19 06:53	05/29/19 23:29	1
p-Terphenyl-d14 (Surr)	106		59 - 136	05/24/19 06:53	05/29/19 23:29	1
Phenol-d5 (Surr)	49		22 - 120	05/24/19 06:53	05/29/19 23:29	1

Lab Sample ID: LCS 480-474520/2-A

Matrix: Water

Analysis Batch: 475195

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474520

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	32.0	27.4		ug/L		86	51 - 120
2,4,5-Trichlorophenol	32.0	36.1		ug/L		113	65 - 126

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-474520/2-A

Matrix: Water

Analysis Batch: 475195

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474520

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,6-Trichlorophenol	32.0	35.1		ug/L		110	64 - 120
2,4-Dichlorophenol	32.0	35.6		ug/L		111	63 - 120
2,4-Dimethylphenol	32.0	30.1		ug/L		94	47 - 120
2,4-Dinitrophenol	64.0	77.3		ug/L		121	31 - 137
2,4-Dinitrotoluene	32.0	34.9		ug/L		109	69 - 120
2,6-Dinitrotoluene	32.0	33.6		ug/L		105	68 - 120
2-Chloronaphthalene	32.0	29.6		ug/L		93	58 - 120
2-Chlorophenol	32.0	28.0		ug/L		88	48 - 120
2-Methylnaphthalene	32.0	32.3		ug/L		101	59 - 120
2-Methylphenol	32.0	25.7		ug/L		80	39 - 120
2-Nitroaniline	32.0	26.3		ug/L		82	54 - 127
2-Nitrophenol	32.0	31.7		ug/L		99	52 - 125
3,3'-Dichlorobenzidine	64.0	70.8		ug/L		111	49 - 135
3-Methylphenol	32.0	25.2		ug/L		79	39 - 120
3-Nitroaniline	32.0	17.6		ug/L		55	51 - 120
4,6-Dinitro-2-methylphenol	64.0	79.0		ug/L		123	46 - 136
4-Bromophenyl phenyl ether	32.0	36.1		ug/L		113	65 - 120
4-Chloro-3-methylphenol	32.0	31.9		ug/L		100	61 - 123
4-Chloroaniline	32.0	10.7		ug/L		33	30 - 120
4-Chlorophenyl phenyl ether	32.0	35.3		ug/L		110	62 - 120
4-Methylphenol	32.0	25.2		ug/L		79	29 - 131
4-Nitroaniline	32.0	28.5		ug/L		89	65 - 120
4-Nitrophenol	64.0	58.8		ug/L		92	45 - 120
Acenaphthene	32.0	30.2		ug/L		94	60 - 120
Acenaphthylene	32.0	31.6		ug/L		99	63 - 120
Acetophenone	32.0	27.2		ug/L		85	45 - 120
Anthracene	32.0	31.5		ug/L		98	67 - 120
Atrazine	64.0	68.3		ug/L		107	71 - 130
Benzaldehyde	64.0	38.7		ug/L		60	10 - 140
Benzo[a]anthracene	32.0	32.7		ug/L		102	70 - 121
Benzo[a]pyrene	32.0	30.8		ug/L		96	60 - 123
Benzo[b]fluoranthene	32.0	33.6		ug/L		105	66 - 126
Benzo[g,h,i]perylene	32.0	34.6		ug/L		108	66 - 150
Benzo[k]fluoranthene	32.0	32.1		ug/L		100	65 - 124
Biphenyl	32.0	30.0		ug/L		94	59 - 120
bis (2-chloroisopropyl) ether	32.0	18.1		ug/L		57	21 - 136
Bis(2-chloroethoxy)methane	32.0	26.0		ug/L		81	50 - 128
Bis(2-chloroethyl)ether	32.0	30.9		ug/L		97	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	28.8		ug/L		90	63 - 139
Butyl benzyl phthalate	32.0	28.1		ug/L		88	70 - 129
Caprolactam	64.0	24.4		ug/L		38	22 - 120
Carbazole	32.0	36.2		ug/L		113	66 - 123
Chrysene	32.0	32.6		ug/L		102	69 - 120
Dibenz(a,h)anthracene	32.0	34.0		ug/L		106	65 - 135
Dibenzofuran	32.0	31.9		ug/L		100	66 - 120
Diethyl phthalate	32.0	33.9		ug/L		106	59 - 127
Dimethyl phthalate	32.0	33.6		ug/L		105	68 - 120
Di-n-butyl phthalate	32.0	31.4		ug/L		98	69 - 131
Di-n-octyl phthalate	32.0	28.9		ug/L		90	63 - 140

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-474520/2-A

Matrix: Water

Analysis Batch: 475195

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474520

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoranthene	32.0	35.7		ug/L		112	69 - 126
Fluorene	32.0	33.1		ug/L		103	66 - 120
Hexachlorobenzene	32.0	37.0		ug/L		116	61 - 120
Hexachlorobutadiene	32.0	37.1		ug/L		116	35 - 120
Hexachlorocyclopentadiene	32.0	32.3		ug/L		101	31 - 120
Hexachloroethane	32.0	24.8		ug/L		77	43 - 120
Indeno[1,2,3-cd]pyrene	32.0	34.3		ug/L		107	69 - 146
Isophorone	32.0	27.3		ug/L		85	55 - 120
Naphthalene	32.0	28.8		ug/L		90	57 - 120
Nitrobenzene	32.0	26.7		ug/L		84	53 - 123
N-Nitrosodi-n-propylamine	32.0	25.1		ug/L		78	32 - 140
N-Nitrosodiphenylamine	32.0	29.6		ug/L		93	61 - 120
Pentachlorophenol	64.0	74.5		ug/L		116	29 - 136
Phenanthrene	32.0	32.4		ug/L		101	68 - 120
Phenol	32.0	17.4		ug/L		54	17 - 120
Pyrene	32.0	31.2		ug/L		97	70 - 125
Pyridine	64.0	22.6	J	ug/L		35	10 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	127	X	41 - 120
2-Fluorobiphenyl	97		48 - 120
2-Fluorophenol (Surr)	69		35 - 120
Nitrobenzene-d5 (Surr)	82		46 - 120
p-Terphenyl-d14 (Surr)	101		59 - 136
Phenol-d5 (Surr)	54		22 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Lab Sample ID: 480-153638-1 MS

Matrix: Water

Analysis Batch: 475195

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Prep Batch: 474520

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene - RE	ND	H	32.0	27.0	J H	ug/L		84	32 - 150
2,4,5-Trichlorophenol - RE	ND	H	32.0	38.6	H	ug/L		121	65 - 126
2,4,6-Trichlorophenol - RE	ND	H	32.0	36.3	H	ug/L		113	64 - 120
2,4-Dichlorophenol - RE	ND	H	32.0	35.1	H	ug/L		110	48 - 132
2,4-Dimethylphenol - RE	ND	H	32.0	29.7	H	ug/L		93	39 - 130
2,4-Dinitrophenol - RE	ND	H	64.0	89.1	H	ug/L		139	21 - 150
2,4-Dinitrotoluene - RE	ND	H	32.0	36.6	H	ug/L		114	54 - 138
2,6-Dinitrotoluene - RE	ND	H	32.0	34.6	H	ug/L		108	17 - 150
2-Chloronaphthalene - RE	ND	H	32.0	31.6	H	ug/L		99	52 - 124
2-Chlorophenol - RE	ND	H	32.0	27.8	H	ug/L		87	48 - 120
2-Methylnaphthalene - RE	ND	H	32.0	34.2	H	ug/L		107	34 - 140
2-Methylphenol - RE	ND	H	32.0	25.9	H	ug/L		81	46 - 120
2-Nitroaniline - RE	ND	H	32.0	27.2	J H	ug/L		85	44 - 136
2-Nitrophenol - RE	ND	H	32.0	32.6	H	ug/L		102	38 - 141
3,3'-Dichlorobenzidine - RE	ND	H F1	64.0	ND	H F1	ug/L		0	10 - 150
3-Methylphenol - RE	ND	H	32.0	24.1	J H	ug/L		75	32 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Lab Sample ID: 480-153638-1 MS

Matrix: Water

Analysis Batch: 475195

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Prep Batch: 474520

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
3-Nitroaniline - RE	ND	H	32.0	19.4	J H	ug/L		61	32 - 150
4,6-Dinitro-2-methylphenol - RE	ND	H F2	64.0	83.0	H	ug/L		130	38 - 150
4-Bromophenyl phenyl ether - RE	ND	H	32.0	35.8	H	ug/L		112	63 - 126
4-Chloro-3-methylphenol - RE	ND	H	32.0	33.4	H	ug/L		104	64 - 127
4-Chloroaniline - RE	ND	H F2	32.0	11.7	J H	ug/L		37	16 - 124
4-Chlorophenyl phenyl ether - RE	ND	H	32.0	36.2	H	ug/L		113	61 - 120
4-Methylphenol - RE	ND	H	32.0	24.1	J H	ug/L		75	36 - 120
4-Nitroaniline - RE	ND	H	32.0	23.4	J H	ug/L		73	32 - 150
4-Nitrophenol - RE	ND	H	64.0	61.7	H	ug/L		96	23 - 132
Acenaphthene - RE	ND	H	32.0	32.1	H	ug/L		100	48 - 120
Acenaphthylene - RE	ND	H	32.0	32.9	H	ug/L		103	63 - 120
Acetophenone - RE	ND	H	32.0	26.8	H	ug/L		84	53 - 120
Anthracene - RE	ND	H F2 F1	32.0	32.3	H	ug/L		101	65 - 122
Atrazine - RE	ND	H	64.0	64.1	H	ug/L		100	50 - 150
Benzaldehyde - RE	ND	H	64.0	43.0	H	ug/L		67	10 - 150
Benzo[a]anthracene - RE	9.5	J H F2 F1	32.0	35.8	H	ug/L		82	43 - 124
Benzo[a]pyrene - RE	11	J H F2 F1	32.0	31.9	H	ug/L		64	23 - 125
Benzo[b]fluoranthene - RE	15	J H F2 F1	32.0	34.3	H	ug/L		61	27 - 127
Benzo[g,h,i]perylene - RE	8.4	J H F2	32.0	36.0	H	ug/L		86	16 - 147
Benzo[k]fluoranthene - RE	7.1	J H F2 F1	32.0	33.3	H	ug/L		82	20 - 124
Biphenyl - RE	ND	H	32.0	31.2	H	ug/L		97	57 - 120
bis (2-chloroisopropyl) ether - RE	ND	H	32.0	18.4	J H	ug/L		58	28 - 121
Bis(2-chloroethoxy)methane - RE	ND	H	32.0	26.7	H	ug/L		84	44 - 128
Bis(2-chloroethyl)ether - RE	ND	H	32.0	26.6	H	ug/L		83	45 - 120
Bis(2-ethylhexyl) phthalate - RE	ND	H	32.0	28.2	H	ug/L		88	16 - 150
Butyl benzyl phthalate - RE	ND	H	32.0	26.8	H	ug/L		84	51 - 140
Caprolactam - RE	ND	H	64.0	24.7	J H	ug/L		39	10 - 120
Carbazole - RE	ND	H	32.0	33.3	H	ug/L		104	16 - 148
Chrysene - RE	11	J H F2 F1	32.0	34.7	H	ug/L		75	44 - 122
Dibenz(a,h)anthracene - RE	3.2	J H	32.0	31.9	H	ug/L		90	16 - 139
Dibenzofuran - RE	ND	H	32.0	34.2	J H	ug/L		107	60 - 120
Diethyl phthalate - RE	ND	H	32.0	30.9	H	ug/L		97	53 - 133
Dimethyl phthalate - RE	ND	H	32.0	34.9	H	ug/L		109	59 - 123
Di-n-butyl phthalate - RE	ND	H	32.0	29.2	H	ug/L		91	65 - 129
Di-n-octyl phthalate - RE	ND	H	32.0	28.4	H	ug/L		89	16 - 150
Fluoranthene - RE	16	J H F2 F1	32.0	40.8	H	ug/L		79	63 - 129
Fluorene - RE	ND	H	32.0	34.9	H	ug/L		109	62 - 120
Hexachlorobenzene - RE	ND	H	32.0	36.3	H	ug/L		113	57 - 121
Hexachlorobutadiene - RE	ND	H F1	32.0	38.6	H F1	ug/L		121	37 - 120
Hexachlorocyclopentadiene - RE	ND	H	32.0	29.8	H	ug/L		93	21 - 120
Hexachloroethane - RE	ND	H	32.0	25.0	H	ug/L		78	16 - 130
Indeno[1,2,3-cd]pyrene - RE	7.7	J H F2	32.0	34.9	H	ug/L		85	16 - 140
Isophorone - RE	ND	H	32.0	27.1	H	ug/L		85	48 - 133
Naphthalene - RE	ND	H	32.0	29.5	H	ug/L		92	45 - 120
Nitrobenzene - RE	ND	H	32.0	28.5	H	ug/L		89	45 - 123
N-Nitrosodi-n-propylamine - RE	ND	H	32.0	24.5	J H	ug/L		77	49 - 120
N-Nitrosodiphenylamine - RE	ND	H	32.0	29.1	H	ug/L		91	39 - 138
Pentachlorophenol - RE	ND	H	64.0	77.0	H	ug/L		120	23 - 149
Phenanthrene - RE	4.9	J H F2 F1	32.0	35.2	H	ug/L		95	65 - 122

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Lab Sample ID: 480-153638-1 MS

Matrix: Water

Analysis Batch: 475195

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Prep Batch: 474520

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol - RE	ND	H	32.0	17.1	J H	ug/L		53	16 - 120
Pyrene - RE	13	J H F2 F1	32.0	35.2	H	ug/L		70	58 - 128
Pyridine - RE	ND	H F1	64.0	18.2	J H F1	ug/L		28	79 - 120
Surrogate	MS %Recovery	MS Qualifier	Limits						
2,4,6-Tribromophenol (Surr) - RE	133	X	41 - 120						
2-Fluorobiphenyl - RE	103		48 - 120						
2-Fluorophenol (Surr) - RE	69		35 - 120						
Nitrobenzene-d5 (Surr) - RE	81		46 - 120						
p-Terphenyl-d14 (Surr) - RE	80		59 - 136						
Phenol-d5 (Surr) - RE	53		22 - 120						

Lab Sample ID: 480-153638-1 MSD

Matrix: Water

Analysis Batch: 475195

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Prep Batch: 474520

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene - RE	ND	H	32.0	28.7	J H	ug/L		90	32 - 150	6	36
2,4,5-Trichlorophenol - RE	ND	H	32.0	38.8	H	ug/L		121	65 - 126	0	18
2,4,6-Trichlorophenol - RE	ND	H	32.0	37.8	H	ug/L		118	64 - 120	4	19
2,4-Dichlorophenol - RE	ND	H	32.0	35.1	H	ug/L		110	48 - 132	0	19
2,4-Dimethylphenol - RE	ND	H	32.0	30.3	H	ug/L		95	39 - 130	2	42
2,4-Dinitrophenol - RE	ND	H	64.0	77.5	H	ug/L		121	21 - 150	14	22
2,4-Dinitrotoluene - RE	ND	H	32.0	35.3	H	ug/L		110	54 - 138	4	20
2,6-Dinitrotoluene - RE	ND	H	32.0	35.1	H	ug/L		110	17 - 150	1	15
2-Chloronaphthalene - RE	ND	H	32.0	31.2	H	ug/L		97	52 - 124	2	21
2-Chlorophenol - RE	ND	H	32.0	28.2	H	ug/L		88	48 - 120	1	25
2-Methylnaphthalene - RE	ND	H	32.0	33.4	H	ug/L		104	34 - 140	2	21
2-Methylphenol - RE	ND	H	32.0	26.4	H	ug/L		83	46 - 120	2	27
2-Nitroaniline - RE	ND	H	32.0	27.0	J H	ug/L		84	44 - 136	1	15
2-Nitrophenol - RE	ND	H	32.0	32.7	H	ug/L		102	38 - 141	0	18
3,3'-Dichlorobenzidine - RE	ND	H F1	64.0	ND	H F1	ug/L		0	10 - 150	NC	25
3-Methylphenol - RE	ND	H	32.0	24.2	J H	ug/L		76	32 - 120	0	30
3-Nitroaniline - RE	ND	H	32.0	17.1	J H	ug/L		53	32 - 150	13	19
4,6-Dinitro-2-methylphenol - RE	ND	H F2	64.0	68.5	H F2	ug/L		107	38 - 150	19	15
4-Bromophenyl phenyl ether - RE	ND	H	32.0	33.7	H	ug/L		105	63 - 126	6	15
4-Chloro-3-methylphenol - RE	ND	H	32.0	33.4	H	ug/L		105	64 - 127	0	27
4-Chloroaniline - RE	ND	H F2	32.0	6.74	J H F2	ug/L		21	16 - 124	54	22
4-Chlorophenyl phenyl ether - RE	ND	H	32.0	35.0	H	ug/L		109	61 - 120	3	16
4-Methylphenol - RE	ND	H	32.0	24.2	J H	ug/L		75	36 - 120	0	24
4-Nitroaniline - RE	ND	H	32.0	22.1	J H	ug/L		69	32 - 150	6	24
4-Nitrophenol - RE	ND	H	64.0	58.1	H	ug/L		91	23 - 132	6	48
Acenaphthene - RE	ND	H	32.0	35.5	H	ug/L		111	48 - 120	10	24
Acenaphthylene - RE	ND	H	32.0	33.0	H	ug/L		103	63 - 120	0	18
Acetophenone - RE	ND	H	32.0	27.6	H	ug/L		86	53 - 120	3	20
Anthracene - RE	ND	H F2 F1	32.0	41.7	H F1 F2	ug/L		130	65 - 122	25	15
Atrazine - RE	ND	H	64.0	65.6	H	ug/L		103	50 - 150	2	20
Benzaldehyde - RE	ND	H	64.0	45.1	H	ug/L		70	10 - 150	5	20

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Lab Sample ID: 480-153638-1 MSD

Matrix: Water

Analysis Batch: 475195

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Prep Batch: 474520

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]anthracene - RE	9.5	J H F2 F1	32.0	70.0	H F1 F2	ug/L		189	43 - 124	65	15
Benzo[a]pyrene - RE	11	J H F2 F1	32.0	62.9	H F1 F2	ug/L		161	23 - 125	65	15
Benzo[b]fluoranthene - RE	15	J H F2 F1	32.0	71.7	H F1 F2	ug/L		178	27 - 127	71	15
Benzo[g,h,i]perylene - RE	8.4	J H F2	32.0	51.3	H F2	ug/L		134	16 - 147	35	15
Benzo[k]fluoranthene - RE	7.1	J H F2 F1	32.0	53.6	H F1 F2	ug/L		145	20 - 124	47	22
Biphenyl - RE	ND	H	32.0	31.5	H	ug/L		98	57 - 120	1	20
bis (2-chloroisopropyl) ether - RE	ND	H	32.0	18.5	J H	ug/L		58	28 - 121	0	24
Bis(2-chloroethoxy)methane - RE	ND	H	32.0	26.3	H	ug/L		82	44 - 128	2	17
Bis(2-chloroethyl)ether - RE	ND	H	32.0	32.0	H	ug/L		100	45 - 120	18	21
Bis(2-ethylhexyl) phthalate - RE	ND	H	32.0	29.2	H	ug/L		91	16 - 150	3	15
Butyl benzyl phthalate - RE	ND	H	32.0	22.9	J H	ug/L		71	51 - 140	16	16
Caprolactam - RE	ND	H	64.0	25.8	H	ug/L		40	10 - 120	4	20
Carbazole - RE	ND	H	32.0	38.7	H	ug/L		121	16 - 148	15	20
Chrysene - RE	11	J H F2 F1	32.0	68.3	H F1 F2	ug/L		180	44 - 122	65	15
Dibenz(a,h)anthracene - RE	3.2	J H	32.0	35.4	H	ug/L		101	16 - 139	10	15
Dibenzofuran - RE	ND	H	32.0	34.4	J H	ug/L		107	60 - 120	0	15
Diethyl phthalate - RE	ND	H	32.0	28.6	H	ug/L		89	53 - 133	8	15
Dimethyl phthalate - RE	ND	H	32.0	31.3	H	ug/L		98	59 - 123	11	15
Di-n-butyl phthalate - RE	ND	H	32.0	27.2	H	ug/L		85	65 - 129	7	15
Di-n-octyl phthalate - RE	ND	H	32.0	25.5	H	ug/L		80	16 - 150	11	16
Fluoranthene - RE	16	J H F2 F1	32.0	124	H F1 F2	ug/L		339	63 - 129	101	15
Fluorene - RE	ND	H	32.0	37.1	H	ug/L		116	62 - 120	6	15
Hexachlorobenzene - RE	ND	H	32.0	32.0	H	ug/L		100	57 - 121	13	15
Hexachlorobutadiene - RE	ND	H F1	32.0	35.9	H	ug/L		112	37 - 120	7	44
Hexachlorocyclopentadiene - RE	ND	H	32.0	20.5	J H	ug/L		64	21 - 120	37	49
Hexachloroethane - RE	ND	H	32.0	26.2	H	ug/L		82	16 - 130	4	46
Indeno[1,2,3-cd]pyrene - RE	7.7	J H F2	32.0	50.2	H F2	ug/L		133	16 - 140	36	15
Isophorone - RE	ND	H	32.0	26.6	H	ug/L		83	48 - 133	2	17
Naphthalene - RE	ND	H	32.0	30.8	H	ug/L		96	45 - 120	4	29
Nitrobenzene - RE	ND	H	32.0	27.7	H	ug/L		87	45 - 123	3	24
N-Nitrosodi-n-propylamine - RE	ND	H	32.0	24.3	J H	ug/L		76	49 - 120	1	31
N-Nitrosodiphenylamine - RE	ND	H	32.0	30.2	H	ug/L		94	39 - 138	3	15
Pentachlorophenol - RE	ND	H	64.0	68.9	H	ug/L		108	23 - 149	11	37
Phenanthrene - RE	4.9	J H F2 F1	32.0	78.2	H F1 F2	ug/L		229	65 - 122	76	15
Phenol - RE	ND	H	32.0	17.8	J H	ug/L		56	16 - 120	5	34
Pyrene - RE	13	J H F2 F1	32.0	92.6	H F1 F2	ug/L		249	58 - 128	90	19
Pyridine - RE	ND	H F1	64.0	23.8	J H F1	ug/L		37	79 - 120	27	49

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr) - RE	132	X	41 - 120
2-Fluorobiphenyl - RE	102		48 - 120
2-Fluorophenol (Surr) - RE	69		35 - 120
Nitrobenzene-d5 (Surr) - RE	77		46 - 120
p-Terphenyl-d14 (Surr) - RE	63		59 - 136
Phenol-d5 (Surr) - RE	54		22 - 120

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-473769/1-A

Matrix: Water

Analysis Batch: 473833

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473769

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.50	0.29	ug/L		05/20/19 15:07	05/21/19 10:48	1
Endrin	ND		0.050	0.014	ug/L		05/20/19 15:07	05/21/19 10:48	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		05/20/19 15:07	05/21/19 10:48	1
Heptachlor	ND		0.050	0.0085	ug/L		05/20/19 15:07	05/21/19 10:48	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		05/20/19 15:07	05/21/19 10:48	1
Methoxychlor	ND		0.050	0.014	ug/L		05/20/19 15:07	05/21/19 10:48	1
Toxaphene	ND		0.50	0.12	ug/L		05/20/19 15:07	05/21/19 10:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	44		20 - 120	05/20/19 15:07	05/21/19 10:48	1
DCB Decachlorobiphenyl	45		20 - 120	05/20/19 15:07	05/21/19 10:48	1
Tetrachloro-m-xylene	69		44 - 120	05/20/19 15:07	05/21/19 10:48	1
Tetrachloro-m-xylene	49		44 - 120	05/20/19 15:07	05/21/19 10:48	1

Lab Sample ID: LCS 480-473769/2-A

Matrix: Water

Analysis Batch: 473833

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473769

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endrin	0.400	0.403		ug/L		101	65 - 135
gamma-BHC (Lindane)	0.400	0.312		ug/L		78	56 - 120
Heptachlor	0.400	0.327		ug/L		82	58 - 120
Heptachlor epoxide	0.400	0.370		ug/L		92	65 - 125
Methoxychlor	0.400	0.410		ug/L		102	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	36		20 - 120
DCB Decachlorobiphenyl	38		20 - 120
Tetrachloro-m-xylene	66		44 - 120
Tetrachloro-m-xylene	54		44 - 120

Lab Sample ID: 480-153638-1 MS

Matrix: Water

Analysis Batch: 473833

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Prep Batch: 473769

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Endrin	ND	F1 F2	0.400	0.166	J F1	ug/L		42	54 - 135
gamma-BHC (Lindane)	ND		0.400	0.314		ug/L		79	50 - 120
Heptachlor	ND	F1 F2	0.400	0.114	J F1	ug/L		28	56 - 120
Heptachlor epoxide	ND	F1 F2	0.400	0.178	J F1	ug/L		44	58 - 125
Methoxychlor	ND	F1 F2	0.400	0.127	J F1	ug/L		32	40 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	27		20 - 120
DCB Decachlorobiphenyl	151	X	20 - 120
Tetrachloro-m-xylene	40	X	44 - 120
Tetrachloro-m-xylene	31	X	44 - 120

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QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 480-153638-1 MSD

Matrix: Water

Analysis Batch: 473833

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Prep Batch: 473769

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endrin	ND	F1 F2	0.400	0.356	F2	ug/L		89	54 - 135	73	24
gamma-BHC (Lindane)	ND		0.400	0.320		ug/L		80	50 - 120	2	24
Heptachlor	ND	F1 F2	0.400	0.262	F2	ug/L		66	56 - 120	79	25
Heptachlor epoxide	ND	F1 F2	0.400	0.288	F2	ug/L		72	58 - 125	47	23
Methoxychlor	ND	F1 F2	0.400	0.295	F2	ug/L		74	40 - 150	80	26

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	43		20 - 120
DCB Decachlorobiphenyl	52		20 - 120
Tetrachloro-m-xylene	67		44 - 120
Tetrachloro-m-xylene	40	X	44 - 120

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-474079/1-A

Matrix: Water

Analysis Batch: 474391

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474079

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		05/22/19 08:18	05/23/19 14:56	1
PCB-1221	ND		0.50	0.18	ug/L		05/22/19 08:18	05/23/19 14:56	1
PCB-1232	ND		0.50	0.18	ug/L		05/22/19 08:18	05/23/19 14:56	1
PCB-1242	ND		0.50	0.18	ug/L		05/22/19 08:18	05/23/19 14:56	1
PCB-1248	ND		0.50	0.18	ug/L		05/22/19 08:18	05/23/19 14:56	1
PCB-1254	ND		0.50	0.25	ug/L		05/22/19 08:18	05/23/19 14:56	1
PCB-1260	ND		0.50	0.25	ug/L		05/22/19 08:18	05/23/19 14:56	1
PCB-1262	ND		0.50	0.25	ug/L		05/22/19 08:18	05/23/19 14:56	1
PCB-1268	ND		0.50	0.25	ug/L		05/22/19 08:18	05/23/19 14:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	105		39 - 121	05/22/19 08:18	05/23/19 14:56	1
Tetrachloro-m-xylene	75		39 - 121	05/22/19 08:18	05/23/19 14:56	1
DCB Decachlorobiphenyl	51		19 - 120	05/22/19 08:18	05/23/19 14:56	1
DCB Decachlorobiphenyl	48		19 - 120	05/22/19 08:18	05/23/19 14:56	1

Lab Sample ID: LCS 480-474079/2-A

Matrix: Water

Analysis Batch: 474391

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474079

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	4.00	4.20		ug/L		105	62 - 130
PCB-1260	4.00	3.46		ug/L		87	56 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	113		39 - 121
Tetrachloro-m-xylene	83		39 - 121
DCB Decachlorobiphenyl	48		19 - 120
DCB Decachlorobiphenyl	46		19 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: 480-153638-1 MS

Matrix: Water

Analysis Batch: 474391

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Prep Batch: 474079

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		5.00	4.97		ug/L		99	28 - 150
PCB-1260	ND	F2	5.00	3.07		ug/L		61	25 - 131
Surrogate	MS %Recovery	MS Qualifier	Limits						
Tetrachloro-m-xylene	120		39 - 121						
Tetrachloro-m-xylene	84		39 - 121						
DCB Decachlorobiphenyl	64		19 - 120						
DCB Decachlorobiphenyl	55		19 - 120						

Lab Sample ID: 480-153638-1 MSD

Matrix: Water

Analysis Batch: 474391

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Prep Batch: 474079

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		4.17	3.36		ug/L		81	28 - 150	39	50
PCB-1260	ND	F2	4.17	1.51	F4	ug/L		36	25 - 131	68	50
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Tetrachloro-m-xylene	87		39 - 121								
Tetrachloro-m-xylene	72		39 - 121								
DCB Decachlorobiphenyl	33		19 - 120								
DCB Decachlorobiphenyl	29		19 - 120								

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-473664/1-A

Matrix: Water

Analysis Batch: 473904

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473664

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.50	0.050	ug/L		05/20/19 09:29	05/21/19 13:21	1
2,4-D	ND		0.50	0.17	ug/L		05/20/19 09:29	05/21/19 13:21	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	57		48 - 132				05/20/19 09:29	05/21/19 13:21	1
2,4-Dichlorophenylacetic acid	65		48 - 132				05/20/19 09:29	05/21/19 13:21	1

Lab Sample ID: LCS 480-473664/2-A

Matrix: Water

Analysis Batch: 473904

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473664

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silvex (2,4,5-TP)	2.00	1.47		ug/L		74	49 - 150
2,4-D	2.00	2.26		ug/L		113	36 - 150
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
2,4-Dichlorophenylacetic acid	56		48 - 132				

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QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 480-473664/2-A

Matrix: Water

Analysis Batch: 473904

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473664

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid	59		48 - 132

Lab Sample ID: 480-153638-1 MS

Matrix: Water

Analysis Batch: 473904

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Prep Batch: 473664

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Silvex (2,4,5-TP)	ND		1.94	1.46		ug/L		75	25 - 146	
2,4-D	ND		1.94	1.95		ug/L		101	31 - 150	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid	60		48 - 132
2,4-Dichlorophenylacetic acid	87		48 - 132

Lab Sample ID: 480-153638-1 MSD

Matrix: Water

Analysis Batch: 473904

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Prep Batch: 473664

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Silvex (2,4,5-TP)	ND		1.94	1.37		ug/L		71	25 - 146	6	50	
2,4-D	ND		1.94	2.01		ug/L		104	31 - 150	3	50	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid	74		48 - 132
2,4-Dichlorophenylacetic acid	86		48 - 132

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-473686/1-A

Matrix: Water

Analysis Batch: 474567

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473686

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Aluminum	ND		0.20	0.060	mg/L		05/20/19 13:23	05/23/19 18:24	1	
Antimony	ND		0.020	0.0068	mg/L		05/20/19 13:23	05/23/19 18:24	1	
Arsenic	ND		0.015	0.0056	mg/L		05/20/19 13:23	05/23/19 18:24	1	
Barium	ND		0.0020	0.00070	mg/L		05/20/19 13:23	05/23/19 18:24	1	
Beryllium	ND		0.0020	0.00030	mg/L		05/20/19 13:23	05/23/19 18:24	1	
Cadmium	ND		0.0020	0.00050	mg/L		05/20/19 13:23	05/23/19 18:24	1	
Calcium	ND		0.50	0.10	mg/L		05/20/19 13:23	05/23/19 18:24	1	
Chromium	ND		0.0040	0.0010	mg/L		05/20/19 13:23	05/23/19 18:24	1	
Cobalt	ND		0.0040	0.00063	mg/L		05/20/19 13:23	05/23/19 18:24	1	
Copper	ND		0.010	0.0016	mg/L		05/20/19 13:23	05/23/19 18:24	1	
Iron	ND		0.050	0.019	mg/L		05/20/19 13:23	05/23/19 18:24	1	
Lead	ND		0.010	0.0030	mg/L		05/20/19 13:23	05/23/19 18:24	1	
Magnesium	ND		0.20	0.043	mg/L		05/20/19 13:23	05/23/19 18:24	1	
Manganese	ND		0.0030	0.00040	mg/L		05/20/19 13:23	05/23/19 18:24	1	
Nickel	ND		0.010	0.0013	mg/L		05/20/19 13:23	05/23/19 18:24	1	

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-473686/1-A

Matrix: Water

Analysis Batch: 474567

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473686

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	0.313	J ^	0.50	0.10	mg/L		05/20/19 13:23	05/23/19 18:24	1
Selenium	ND		0.025	0.0087	mg/L		05/20/19 13:23	05/23/19 18:24	1
Silver	ND		0.0060	0.0017	mg/L		05/20/19 13:23	05/23/19 18:24	1
Sodium	0.347	J	1.0	0.32	mg/L		05/20/19 13:23	05/23/19 18:24	1
Thallium	ND		0.020	0.010	mg/L		05/20/19 13:23	05/23/19 18:24	1
Vanadium	ND		0.0050	0.0015	mg/L		05/20/19 13:23	05/23/19 18:24	1
Zinc	ND		0.010	0.0015	mg/L		05/20/19 13:23	05/23/19 18:24	1

Lab Sample ID: LCS 480-473686/2-A

Matrix: Water

Analysis Batch: 474567

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473686

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10.0	9.83		mg/L		98	80 - 120
Antimony	0.200	0.216		mg/L		108	80 - 120
Arsenic	0.200	0.203		mg/L		101	80 - 120
Barium	0.200	0.213		mg/L		107	80 - 120
Beryllium	0.200	0.209		mg/L		105	80 - 120
Cadmium	0.200	0.200		mg/L		100	80 - 120
Calcium	10.0	10.01		mg/L		100	80 - 120
Chromium	0.200	0.207		mg/L		103	80 - 120
Cobalt	0.200	0.189		mg/L		95	80 - 120
Copper	0.200	0.203		mg/L		101	80 - 120
Iron	10.0	10.14		mg/L		101	80 - 120
Lead	0.200	0.191		mg/L		95	80 - 120
Magnesium	10.0	9.76		mg/L		98	80 - 120
Manganese	0.200	0.200		mg/L		100	80 - 120
Nickel	0.200	0.197		mg/L		98	80 - 120
Potassium	10.0	9.94 ^		mg/L		99	80 - 120
Selenium	0.200	0.197		mg/L		99	80 - 120
Silver	0.0500	0.0513		mg/L		103	80 - 120
Sodium	10.0	9.67		mg/L		97	80 - 120
Thallium	0.200	0.205		mg/L		103	80 - 120
Vanadium	0.200	0.203		mg/L		102	80 - 120
Zinc	0.200	0.206		mg/L		103	80 - 120

Lab Sample ID: 480-153638-1 MS

Matrix: Water

Analysis Batch: 474567

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Prep Batch: 473686

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	0.60		10.0	10.61		mg/L		100	75 - 125
Antimony	ND		0.200	0.220		mg/L		110	75 - 125
Arsenic	ND		0.200	0.206		mg/L		103	75 - 125
Barium	0.035		0.200	0.249		mg/L		107	75 - 125
Beryllium	ND		0.200	0.211		mg/L		105	75 - 125
Cadmium	ND		0.200	0.202		mg/L		101	75 - 125
Calcium	24.9		10.0	34.87		mg/L		100	75 - 125
Chromium	0.0033	J	0.200	0.208		mg/L		102	75 - 125

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-153638-1 MS

Matrix: Water

Analysis Batch: 474567

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Prep Batch: 473686

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	ND		0.200	0.193		mg/L		97	75 - 125
Copper	0.063		0.200	0.265		mg/L		101	75 - 125
Iron	1.6		10.0	11.71		mg/L		101	75 - 125
Lead	0.031		0.200	0.228		mg/L		98	75 - 125
Magnesium	4.0		10.0	13.71		mg/L		97	75 - 125
Manganese	0.090		0.200	0.289		mg/L		99	75 - 125
Nickel	0.0045	J	0.200	0.206		mg/L		101	75 - 125
Selenium	ND		0.200	0.198		mg/L		99	75 - 125
Silver	ND		0.0500	0.0523		mg/L		105	75 - 125
Sodium	23.6	B	10.0	33.45		mg/L		98	75 - 125
Thallium	ND		0.200	0.206		mg/L		103	75 - 125
Vanadium	0.0076		0.200	0.212		mg/L		102	75 - 125
Zinc	0.11		0.200	0.325		mg/L		105	75 - 125

Lab Sample ID: 480-153638-1 MS

Matrix: Water

Analysis Batch: 475548

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Prep Batch: 473686

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Potassium	2.9	B	10.0	12.52		mg/L		96	75 - 125

Lab Sample ID: 480-153638-1 MSD

Matrix: Water

Analysis Batch: 474567

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Prep Batch: 473686

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Aluminum	0.60		10.0	10.29		mg/L		97	75 - 125	3	20
Antimony	ND		0.200	0.214		mg/L		107	75 - 125	3	20
Arsenic	ND		0.200	0.202		mg/L		101	75 - 125	2	20
Barium	0.035		0.200	0.244		mg/L		104	75 - 125	2	20
Beryllium	ND		0.200	0.207		mg/L		104	75 - 125	2	20
Cadmium	ND		0.200	0.198		mg/L		99	75 - 125	2	20
Calcium	24.9		10.0	34.41		mg/L		95	75 - 125	1	20
Chromium	0.0033	J	0.200	0.205		mg/L		101	75 - 125	2	20
Cobalt	ND		0.200	0.189		mg/L		95	75 - 125	2	20
Copper	0.063		0.200	0.260		mg/L		99	75 - 125	2	20
Iron	1.6		10.0	11.43		mg/L		99	75 - 125	2	20
Lead	0.031		0.200	0.221		mg/L		95	75 - 125	3	20
Magnesium	4.0		10.0	13.50		mg/L		95	75 - 125	2	20
Manganese	0.090		0.200	0.281		mg/L		95	75 - 125	3	20
Nickel	0.0045	J	0.200	0.201		mg/L		98	75 - 125	2	20
Selenium	ND		0.200	0.197		mg/L		99	75 - 125	1	20
Silver	ND		0.0500	0.0503		mg/L		101	75 - 125	4	20
Sodium	23.6	B	10.0	33.09		mg/L		94	75 - 125	1	20
Thallium	ND		0.200	0.202		mg/L		101	75 - 125	2	20
Vanadium	0.0076		0.200	0.210		mg/L		101	75 - 125	1	20
Zinc	0.11		0.200	0.313		mg/L		99	75 - 125	4	20

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-153638-1 MSD

Matrix: Water

Analysis Batch: 475548

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Prep Batch: 473686

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Potassium	2.9	B	10.0	12.55		mg/L		96	75 - 125	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-473705/1-A

Matrix: Water

Analysis Batch: 473799

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473705

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/20/19 12:00	05/20/19 15:05	1

Lab Sample ID: LCS 480-473705/2-A

Matrix: Water

Analysis Batch: 473799

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473705

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00668		mg/L		100	80 - 120

Lab Sample ID: 480-153638-1 MS

Matrix: Water

Analysis Batch: 473799

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Prep Batch: 473705

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00667	0.00742		mg/L		111	80 - 120

Lab Sample ID: 480-153638-1 MSD

Matrix: Water

Analysis Batch: 473799

Client Sample ID: SAMPLE RM

Prep Type: Total/NA

Prep Batch: 473705

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00667	0.00753		mg/L		113	80 - 120	2	20

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

GC/MS VOA

Analysis Batch: 474259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153638-1	SAMPLE RM	Total/NA	Water	8260C	
480-153638-2	B BLDG	Total/NA	Water	8260C	
480-153638-3	DUP-051419	Total/NA	Water	8260C	
MB 480-474259/7	Method Blank	Total/NA	Water	8260C	
LCS 480-474259/5	Lab Control Sample	Total/NA	Water	8260C	
480-153638-1 MS	SAMPLE RM	Total/NA	Water	8260C	
480-153638-1 MSD	SAMPLE RM	Total/NA	Water	8260C	

Analysis Batch: 597452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153638-1	SAMPLE RM	Total/NA	Water	8260B SIM	
480-153638-2	B BLDG	Total/NA	Water	8260B SIM	
480-153638-3	DUP-051419	Total/NA	Water	8260B SIM	
MB 490-597452/7	Method Blank	Total/NA	Water	8260B SIM	
LCS 490-597452/3	Lab Control Sample	Total/NA	Water	8260B SIM	
LCSD 490-597452/4	Lab Control Sample Dup	Total/NA	Water	8260B SIM	
480-153638-1 MS	SAMPLE RM	Total/NA	Water	8260B SIM	
480-153638-1 MSD	SAMPLE RM	Total/NA	Water	8260B SIM	

GC/MS Semi VOA

Prep Batch: 473479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153638-1	SAMPLE RM	Total/NA	Water	3510C	
480-153638-2	B BLDG	Total/NA	Water	3510C	
480-153638-3	DUP-051419	Total/NA	Water	3510C	
MB 480-473479/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-473479/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-153638-1 MS	SAMPLE RM	Total/NA	Water	3510C	
480-153638-1 MSD	SAMPLE RM	Total/NA	Water	3510C	

Analysis Batch: 473721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153638-1	SAMPLE RM	Total/NA	Water	8270D	473479
480-153638-2	B BLDG	Total/NA	Water	8270D	473479
480-153638-3	DUP-051419	Total/NA	Water	8270D	473479
MB 480-473479/1-A	Method Blank	Total/NA	Water	8270D	473479
LCS 480-473479/2-A	Lab Control Sample	Total/NA	Water	8270D	473479
480-153638-1 MS	SAMPLE RM	Total/NA	Water	8270D	473479
480-153638-1 MSD	SAMPLE RM	Total/NA	Water	8270D	473479

Prep Batch: 474520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153638-1 - RE	SAMPLE RM	Total/NA	Water	3510C	
480-153638-2 - RE	B BLDG	Total/NA	Water	3510C	
480-153638-3 - RE	DUP-051419	Total/NA	Water	3510C	
MB 480-474520/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-474520/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-153638-1 MS - RE	SAMPLE RM	Total/NA	Water	3510C	
480-153638-1 MSD - RE	SAMPLE RM	Total/NA	Water	3510C	

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QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

GC/MS Semi VOA

Analysis Batch: 475195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153638-1 - RE	SAMPLE RM	Total/NA	Water	8270D	474520
480-153638-2 - RE	B BLDG	Total/NA	Water	8270D	474520
480-153638-3 - RE	DUP-051419	Total/NA	Water	8270D	474520
MB 480-474520/1-A	Method Blank	Total/NA	Water	8270D	474520
LCS 480-474520/2-A	Lab Control Sample	Total/NA	Water	8270D	474520
480-153638-1 MS - RE	SAMPLE RM	Total/NA	Water	8270D	474520
480-153638-1 MSD - RE	SAMPLE RM	Total/NA	Water	8270D	474520

GC Semi VOA

Prep Batch: 473664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153638-1	SAMPLE RM	Total/NA	Water	8151A	
480-153638-2	B BLDG	Total/NA	Water	8151A	
480-153638-3	DUP-051419	Total/NA	Water	8151A	
MB 480-473664/1-A	Method Blank	Total/NA	Water	8151A	
LCS 480-473664/2-A	Lab Control Sample	Total/NA	Water	8151A	
480-153638-1 MS	SAMPLE RM	Total/NA	Water	8151A	
480-153638-1 MSD	SAMPLE RM	Total/NA	Water	8151A	

Prep Batch: 473769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153638-1	SAMPLE RM	Total/NA	Water	3510C	
480-153638-2	B BLDG	Total/NA	Water	3510C	
480-153638-3	DUP-051419	Total/NA	Water	3510C	
MB 480-473769/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-473769/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-153638-1 MS	SAMPLE RM	Total/NA	Water	3510C	
480-153638-1 MSD	SAMPLE RM	Total/NA	Water	3510C	

Analysis Batch: 473833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153638-1	SAMPLE RM	Total/NA	Water	8081B	473769
480-153638-2	B BLDG	Total/NA	Water	8081B	473769
480-153638-3	DUP-051419	Total/NA	Water	8081B	473769
MB 480-473769/1-A	Method Blank	Total/NA	Water	8081B	473769
LCS 480-473769/2-A	Lab Control Sample	Total/NA	Water	8081B	473769
480-153638-1 MS	SAMPLE RM	Total/NA	Water	8081B	473769
480-153638-1 MSD	SAMPLE RM	Total/NA	Water	8081B	473769

Analysis Batch: 473904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153638-1	SAMPLE RM	Total/NA	Water	8151A	473664
480-153638-2	B BLDG	Total/NA	Water	8151A	473664
480-153638-3	DUP-051419	Total/NA	Water	8151A	473664
MB 480-473664/1-A	Method Blank	Total/NA	Water	8151A	473664
LCS 480-473664/2-A	Lab Control Sample	Total/NA	Water	8151A	473664
480-153638-1 MS	SAMPLE RM	Total/NA	Water	8151A	473664
480-153638-1 MSD	SAMPLE RM	Total/NA	Water	8151A	473664

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

GC Semi VOA

Prep Batch: 474079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153638-1	SAMPLE RM	Total/NA	Water	3510C	
480-153638-2	B BLDG	Total/NA	Water	3510C	
480-153638-3	DUP-051419	Total/NA	Water	3510C	
MB 480-474079/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-474079/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-153638-1 MS	SAMPLE RM	Total/NA	Water	3510C	
480-153638-1 MSD	SAMPLE RM	Total/NA	Water	3510C	

Analysis Batch: 474391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153638-1	SAMPLE RM	Total/NA	Water	8082A	474079
480-153638-2	B BLDG	Total/NA	Water	8082A	474079
480-153638-3	DUP-051419	Total/NA	Water	8082A	474079
MB 480-474079/1-A	Method Blank	Total/NA	Water	8082A	474079
LCS 480-474079/2-A	Lab Control Sample	Total/NA	Water	8082A	474079
480-153638-1 MS	SAMPLE RM	Total/NA	Water	8082A	474079
480-153638-1 MSD	SAMPLE RM	Total/NA	Water	8082A	474079

Metals

Prep Batch: 473686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153638-1	SAMPLE RM	Total/NA	Water	3005A	
480-153638-2	B BLDG	Total/NA	Water	3005A	
480-153638-3	DUP-051419	Total/NA	Water	3005A	
MB 480-473686/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-473686/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-153638-1 MS	SAMPLE RM	Total/NA	Water	3005A	
480-153638-1 MSD	SAMPLE RM	Total/NA	Water	3005A	

Prep Batch: 473705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153638-1	SAMPLE RM	Total/NA	Water	7470A	
480-153638-2	B BLDG	Total/NA	Water	7470A	
480-153638-3	DUP-051419	Total/NA	Water	7470A	
MB 480-473705/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-473705/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-153638-1 MS	SAMPLE RM	Total/NA	Water	7470A	
480-153638-1 MSD	SAMPLE RM	Total/NA	Water	7470A	

Analysis Batch: 473799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153638-1	SAMPLE RM	Total/NA	Water	7470A	473705
480-153638-2	B BLDG	Total/NA	Water	7470A	473705
480-153638-3	DUP-051419	Total/NA	Water	7470A	473705
MB 480-473705/1-A	Method Blank	Total/NA	Water	7470A	473705
LCS 480-473705/2-A	Lab Control Sample	Total/NA	Water	7470A	473705
480-153638-1 MS	SAMPLE RM	Total/NA	Water	7470A	473705
480-153638-1 MSD	SAMPLE RM	Total/NA	Water	7470A	473705

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Metals

Analysis Batch: 474567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153638-1	SAMPLE RM	Total/NA	Water	6010C	473686
480-153638-2	B BLDG	Total/NA	Water	6010C	473686
480-153638-3	DUP-051419	Total/NA	Water	6010C	473686
MB 480-473686/1-A	Method Blank	Total/NA	Water	6010C	473686
LCS 480-473686/2-A	Lab Control Sample	Total/NA	Water	6010C	473686
480-153638-1 MS	SAMPLE RM	Total/NA	Water	6010C	473686
480-153638-1 MSD	SAMPLE RM	Total/NA	Water	6010C	473686

Analysis Batch: 475548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153638-1	SAMPLE RM	Total/NA	Water	6010C	473686
480-153638-1 MS	SAMPLE RM	Total/NA	Water	6010C	473686
480-153638-1 MSD	SAMPLE RM	Total/NA	Water	6010C	473686

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Client Sample ID: SAMPLE RM

Lab Sample ID: 480-153638-1

Date Collected: 05/14/19 10:30

Matrix: Water

Date Received: 05/14/19 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		1	597452	05/24/19 13:18	S1S	TAL NSH
Total/NA	Analysis	8260C		1	474259	05/23/19 04:34	KMN	TAL BUF
Total/NA	Prep	3510C			473479	05/17/19 15:29	ATG	TAL BUF
Total/NA	Analysis	8270D		1	473721	05/20/19 17:57	RJS	TAL BUF
Total/NA	Prep	3510C	RE		474520	05/24/19 06:53	SMP	TAL BUF
Total/NA	Analysis	8270D	RE	5	475195	05/30/19 01:21	RJS	TAL BUF
Total/NA	Prep	3510C			473769	05/20/19 15:07	ATG	TAL BUF
Total/NA	Analysis	8081B		5	473833	05/21/19 12:26	JLS	TAL BUF
Total/NA	Prep	3510C			474079	05/22/19 08:18	JMP	TAL BUF
Total/NA	Analysis	8082A		1	474391	05/23/19 16:11	W1T	TAL BUF
Total/NA	Prep	8151A			473664	05/20/19 09:29	JMP	TAL BUF
Total/NA	Analysis	8151A		1	473904	05/21/19 15:19	JLS	TAL BUF
Total/NA	Prep	3005A			473686	05/20/19 13:23	EMB	TAL BUF
Total/NA	Analysis	6010C		1	474567	05/23/19 18:32	LMH	TAL BUF
Total/NA	Prep	3005A			473686	05/20/19 13:23	EMB	TAL BUF
Total/NA	Analysis	6010C		1	475548	05/30/19 13:08	AMH	TAL BUF
Total/NA	Prep	7470A			473705	05/20/19 12:00	BMB	TAL BUF
Total/NA	Analysis	7470A		1	473799	05/20/19 15:23	BMB	TAL BUF

Client Sample ID: B BLDG

Lab Sample ID: 480-153638-2

Date Collected: 05/14/19 12:00

Matrix: Water

Date Received: 05/14/19 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		1	597452	05/24/19 13:45	S1S	TAL NSH
Total/NA	Analysis	8260C		1	474259	05/23/19 04:58	KMN	TAL BUF
Total/NA	Prep	3510C			473479	05/17/19 15:29	ATG	TAL BUF
Total/NA	Analysis	8270D		5	473721	05/20/19 21:23	RJS	TAL BUF
Total/NA	Prep	3510C	RE		474520	05/24/19 06:53	SMP	TAL BUF
Total/NA	Analysis	8270D	RE	5	475195	05/30/19 02:17	RJS	TAL BUF
Total/NA	Prep	3510C			473769	05/20/19 15:07	ATG	TAL BUF
Total/NA	Analysis	8081B		1	473833	05/21/19 13:05	JLS	TAL BUF
Total/NA	Prep	3510C			474079	05/22/19 08:18	JMP	TAL BUF
Total/NA	Analysis	8082A		1	474391	05/23/19 16:36	W1T	TAL BUF
Total/NA	Prep	8151A			473664	05/20/19 09:29	JMP	TAL BUF
Total/NA	Analysis	8151A		1	473904	05/21/19 15:49	JLS	TAL BUF
Total/NA	Prep	3005A			473686	05/20/19 13:23	EMB	TAL BUF
Total/NA	Analysis	6010C		1	474567	05/23/19 19:01	LMH	TAL BUF
Total/NA	Prep	7470A			473705	05/20/19 12:00	BMB	TAL BUF
Total/NA	Analysis	7470A		1	473799	05/20/19 15:28	BMB	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Client Sample ID: DUP-051419

Lab Sample ID: 480-153638-3

Date Collected: 05/14/19 00:00

Matrix: Water

Date Received: 05/14/19 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		1	597452	05/24/19 14:13	S1S	TAL NSH
Total/NA	Analysis	8260C		1	474259	05/23/19 05:21	KMN	TAL BUF
Total/NA	Prep	3510C			473479	05/17/19 15:29	ATG	TAL BUF
Total/NA	Analysis	8270D		1	473721	05/20/19 21:52	RJS	TAL BUF
Total/NA	Prep	3510C	RE		474520	05/24/19 06:53	SMP	TAL BUF
Total/NA	Analysis	8270D	RE	1	475195	05/30/19 02:45	RJS	TAL BUF
Total/NA	Prep	3510C			473769	05/20/19 15:07	ATG	TAL BUF
Total/NA	Analysis	8081B		1	473833	05/21/19 13:25	JLS	TAL BUF
Total/NA	Prep	3510C			474079	05/22/19 08:18	JMP	TAL BUF
Total/NA	Analysis	8082A		1	474391	05/23/19 16:48	W1T	TAL BUF
Total/NA	Prep	8151A			473664	05/20/19 09:29	JMP	TAL BUF
Total/NA	Analysis	8151A		1	473904	05/21/19 16:19	JLS	TAL BUF
Total/NA	Prep	3005A			473686	05/20/19 13:23	EMB	TAL BUF
Total/NA	Analysis	6010C		1	474567	05/23/19 19:04	LMH	TAL BUF
Total/NA	Prep	7470A			473705	05/20/19 12:00	BMB	TAL BUF
Total/NA	Analysis	7470A		1	473799	05/20/19 15:29	BMB	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL NSH = Eurofins TestAmerica, Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

Laboratory: Eurofins TestAmerica, Nashville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
A2LA	ISO/IEC 17025		0453.07	12-31-19
Alaska (UST)	State Program	10	UST-087	06-30-19
Arizona	State Program	9	AZ0473	05-05-20
Arkansas DEQ	State Program	6	88-0737	04-25-20
California	State Program	9	2938	06-30-19
Connecticut	State Program	1	PH-0220	12-31-19
Florida	NELAP	4	E87358	06-30-19
Georgia	State Program	4	NA: NELAP & A2LA	12-31-19
Illinois	NELAP	5	200010	12-09-19
Iowa	State Program	7	131	04-01-20
Kansas	NELAP	7	E-10229	10-31-19
Kentucky (UST)	State Program	4	19	06-30-19
Kentucky (WW)	State Program	4	90038	12-31-19
Louisiana	NELAP	6	30613	06-30-19
Maine	State Program	1	TN00032	11-03-19
Maryland	State Program	3	316	03-31-20
Massachusetts	State Program	1	M-TN032	06-30-19
Minnesota	NELAP	5	047-999-345	12-31-19
Mississippi	State Program	4	N/A	06-30-19
Nevada	State Program	9	TN00032	07-31-19
New Hampshire	NELAP	1	2963	10-09-19
New Jersey	NELAP	2	TN965	06-30-19
New York	NELAP	2	11342	03-31-20
North Carolina (WW/SW)	State Program	4	387	12-31-19
North Dakota	State Program	8	R-146	06-30-19
Oklahoma	State Program	6	9412	08-31-19
Oregon	NELAP	10	TN200001	04-26-19 *
Pennsylvania	NELAP	3	68-00585	07-31-19
Rhode Island	State Program	1	LAO00268	12-30-19
South Carolina	State Program	4	84009 (001)	02-28-19 *
Tennessee	State Program	4	2008	02-23-20
Texas	NELAP	6	T104704077	08-31-19
USDA	Federal		P330-13-00306	04-10-20
Utah	NELAP	8	TN00032	07-31-19
Virginia	NELAP	3	460152	06-14-19
Washington	State Program	10	C789	07-19-19
West Virginia DEP	State Program	3	219	02-28-20
Wisconsin	State Program	5	998020430	08-31-19
Wyoming (UST)	A2LA	8	453.07	12-31-19

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Buffalo

Method Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Method	Method Description	Protocol	Laboratory
8260B SIM	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030B	Purge and Trap	SW846	TAL NSH
5030C	Purge and Trap	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL NSH = Eurofins TestAmerica, Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Sample Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153638-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-153638-1	SAMPLE RM	Water	05/14/19 10:30	05/14/19 15:45	
480-153638-2	B BLDG	Water	05/14/19 12:00	05/14/19 15:45	
480-153638-3	DUP-051419	Water	05/14/19 00:00	05/14/19 15:45	

[illegible]

Ver. 01/16/2019

Ver: 01/16/2019

COOLER RECEIPT FORM



480-153638 Chain of Custody

Cooler Received/Opened On 05-18-2019 @ 10:10

Time Samples Removed From Cooler _____ Time Samples Placed In Storage _____ (2 Hour Window)

1. Tracking # 7817 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID 14740456 pH Strip Lot N/A Chlorine Strip Lot N/A

2. Temperature of rep. sample or temp blank when opened: 2.1 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA YES

If yes, how many and where: 1 (front)

5. Were the seals intact, signed, and dated correctly? YES...NO...NA YES

6. Were custody papers inside cooler? YES...NO...NA YES

I certify that I opened the cooler and answered questions 1-6 (initial) AK

7. Were custody seals on containers: YES NO and Intact YES...NO...NA YES

Were these signed and dated correctly? YES...NO...NA YES

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA YES

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA YES

12. Did all container labels and tags agree with custody papers? YES...NO...NA YES

13a. Were VOA vials received? YES...NO...NA YES

b. Was there any observable headspace present in any VOA vial? YES...NO...NA YES



Larger than this.

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (initial) ADH

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA YES

16. Was residual chlorine present? YES...NO...NA YES

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) ADH

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA YES

18. Did you sign the custody papers in the appropriate place? YES...NO...NA YES

19. Were correct containers used for the analysis requested? YES...NO...NA YES

20. Was sufficient amount of sample sent in each container? YES...NO...NA YES

I certify that I entered this project into LIMS and answered questions 17-20 (initial) ADH

I certify that I attached a label with the unique LIMS number to each container (initial) ADH

21. Were there Non-Conformance issues at login? YES...NO...NA Was a NCM generated? YES...NO...# _____

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-153638-1

Login Number: 153638

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Stopa, Erik S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GROUNDWATER ENVIORMENTAL
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

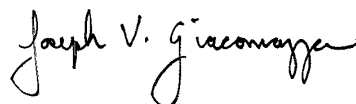
Laboratory Job ID: 480-153644-1

Client Project/Site: Morgan Materials #915307

For:

New York State D.E.C.
270 Michigan Avenue
Buffalo, New York 14203

Attn: Damianos Skaros



Authorized for release by:
6/10/2019 3:07:43 PM

Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

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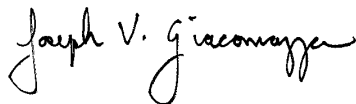
The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

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I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
6/10/2019 3:07:43 PM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
vs	Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A-L low-level specifications.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
X	Surrogate is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Job ID: 480-153644-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-153644-1

Comments

No additional comments.

Receipt

The samples were received on 5/14/2019 3:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 7.2° C.

GC/MS VOA

Method(s) 8260C: Due to the co-elution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) associated with analytical batch 480-473646. The following sample was affected : COURTYARD SUMP (480-153644-2).

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

GC/MS Semi VOA

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-474234 recovered above the upper control limit for Pentachlorophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: COURTYARD SUMP (480-153644-2).

Method(s) 8270D: The laboratory control sample (LCS) for preparation batch 480-473984 and analytical batch 480-474234 recovered outside control limits for the following analytes: Pentachlorophenol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following sample is impacted: COURTYARD SUMP (480-153644-2).

Method(s) 8270D: The following sample was diluted due to color and appearance: COURTYARD SUMP (480-153644-2). Elevated reporting limits (RL) are provided.

Method(s) 8270D: The following samples required a dilution due to physical characteristics: COURTYARD SUMP (480-153644-2). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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

GC Semi VOA

Method(s) 8082A: All primary data for analytical batch 474175 is reported from the ZB-5 column.

Method(s) 8082A: The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

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

Metals

Method(s) 6010C: The following sample was diluted due to the presence of Iron which interferes with Total Silver, Cadmium, Chromium, Manganese, Nickel, Lead, Antimony, Thallium, and Vanadium: COURTYARD SUMP (480-153644-2). Elevated reporting limits (RLs) are provided.

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

Organic Prep

Method(s) 3550C: The following sample: COURTYARD SUMP (480-153644-2) was decanted prior to preparation

Method(s) 3550C: Due to the matrix, the following sample could not be concentrated to the final method required volume: COURTYARD SUMP (480-153644-2). The reporting limits (RLs) are elevated proportionately.

Case Narrative

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Job ID: 480-153644-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

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

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Detection Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Client Sample ID: TRANSFORMER PAD

Lab Sample ID: 480-153644-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	1.9		0.26	0.12	mg/Kg	1	✱	8082A	Total/NA

Client Sample ID: COURTYARD SUMP

Lab Sample ID: 480-153644-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	17	J vs	33	5.5	ug/Kg	1	✱	8260C	Total/NA
Methylene Chloride	4.3	J vs	6.5	3.0	ug/Kg	1	✱	8260C	Total/NA
PCB-1254	0.44		0.31	0.15	mg/Kg	1	✱	8082A	Total/NA
Aluminum	4160		13.0	5.7	mg/Kg	1	✱	6010C	Total/NA
Antimony	26.0	J	196	5.2	mg/Kg	10	✱	6010C	Total/NA
Arsenic	33.2		2.6	0.52	mg/Kg	1	✱	6010C	Total/NA
Barium	379		0.65	0.14	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.22	J	0.26	0.037	mg/Kg	1	✱	6010C	Total/NA
Calcium	5840	B	65.2	4.3	mg/Kg	1	✱	6010C	Total/NA
Chromium	610		6.5	2.6	mg/Kg	10	✱	6010C	Total/NA
Cobalt	22.2		0.65	0.065	mg/Kg	1	✱	6010C	Total/NA
Copper	742		1.3	0.27	mg/Kg	1	✱	6010C	Total/NA
Iron	359000	B	130	45.7	mg/Kg	10	✱	6010C	Total/NA
Lead	150		13.0	3.1	mg/Kg	10	✱	6010C	Total/NA
Magnesium	1600		26.1	1.2	mg/Kg	1	✱	6010C	Total/NA
Manganese	2880	B	2.6	0.42	mg/Kg	10	✱	6010C	Total/NA
Nickel	255		65.2	3.0	mg/Kg	10	✱	6010C	Total/NA
Potassium	364		39.1	26.1	mg/Kg	1	✱	6010C	Total/NA
Sodium	59.9	J	183	17.0	mg/Kg	1	✱	6010C	Total/NA
Vanadium	34.2		6.5	1.4	mg/Kg	10	✱	6010C	Total/NA
Zinc	357		2.6	0.83	mg/Kg	1	✱	6010C	Total/NA
Hg	0.31		0.025	0.010	mg/Kg	1	✱	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Client Sample ID: TRANSFORMER PAD

Lab Sample ID: 480-153644-1

Date Collected: 05/14/19 13:30

Matrix: Solid

Date Received: 05/14/19 15:45

Percent Solids: 83.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.26	0.050	mg/Kg	☼	05/21/19 06:35	05/22/19 18:22	1
PCB-1221	ND		0.26	0.050	mg/Kg	☼	05/21/19 06:35	05/22/19 18:22	1
PCB-1232	ND		0.26	0.050	mg/Kg	☼	05/21/19 06:35	05/22/19 18:22	1
PCB-1242	ND		0.26	0.050	mg/Kg	☼	05/21/19 06:35	05/22/19 18:22	1
PCB-1248	ND		0.26	0.050	mg/Kg	☼	05/21/19 06:35	05/22/19 18:22	1
PCB-1254	1.9		0.26	0.12	mg/Kg	☼	05/21/19 06:35	05/22/19 18:22	1
PCB-1260	ND		0.26	0.12	mg/Kg	☼	05/21/19 06:35	05/22/19 18:22	1
PCB-1262	ND		0.26	0.12	mg/Kg	☼	05/21/19 06:35	05/22/19 18:22	1
PCB-1268	ND		0.26	0.12	mg/Kg	☼	05/21/19 06:35	05/22/19 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	60		60 - 154	05/21/19 06:35	05/22/19 18:22	1
Tetrachloro-m-xylene	55	X	60 - 154	05/21/19 06:35	05/22/19 18:22	1
DCB Decachlorobiphenyl	77		65 - 174	05/21/19 06:35	05/22/19 18:22	1
DCB Decachlorobiphenyl	65		65 - 174	05/21/19 06:35	05/22/19 18:22	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Client Sample ID: COURTYARD SUMP

Lab Sample ID: 480-153644-2

Date Collected: 05/14/19 14:45

Matrix: Solid

Date Received: 05/14/19 15:45

Percent Solids: 75.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	6.5	0.47	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
1,1,2,2-Tetrachloroethane	ND	vs	6.5	1.1	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
1,1,2-Trichloroethane	ND	vs	6.5	0.85	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.5	1.5	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
1,1-Dichloroethane	ND	vs	6.5	0.79	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
1,1-Dichloroethene	ND	vs	6.5	0.80	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
1,2,4-Trichlorobenzene	ND	vs	6.5	0.40	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.5	3.3	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
1,2-Dichlorobenzene	ND	vs	6.5	0.51	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
1,2-Dichloroethane	ND	vs	6.5	0.33	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
1,2-Dichloropropane	ND	vs	6.5	3.3	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
1,3-Dichlorobenzene	ND	vs	6.5	0.33	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
1,4-Dichlorobenzene	ND	vs	6.5	0.91	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
2-Butanone (MEK)	ND	* vs	33	2.4	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
2-Hexanone	ND	vs	33	3.3	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
4-Methyl-2-pentanone (MIBK)	ND	vs	33	2.1	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Acetone	17	J vs	33	5.5	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Benzene	ND	vs	6.5	0.32	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Bromodichloromethane	ND	vs	6.5	0.87	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Bromoform	ND	vs	6.5	3.3	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Bromomethane	ND	vs	6.5	0.59	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Carbon disulfide	ND	vs	6.5	3.3	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Carbon tetrachloride	ND	vs	6.5	0.63	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Chlorobenzene	ND	vs	6.5	0.86	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Dibromochloromethane	ND	vs	6.5	0.83	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Chloroethane	ND	vs	6.5	1.5	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Chloroform	ND	vs	6.5	0.40	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Chloromethane	ND	vs	6.5	0.39	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
cis-1,2-Dichloroethene	ND	vs	6.5	0.83	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
cis-1,3-Dichloropropene	ND	vs	6.5	0.94	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Cyclohexane	ND	vs	6.5	0.91	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Dichlorodifluoromethane	ND	vs	6.5	0.54	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Ethylbenzene	ND	vs	6.5	0.45	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
1,2-Dibromoethane	ND	vs	6.5	0.84	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Isopropylbenzene	ND	vs	6.5	0.98	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Methyl acetate	ND	vs	33	3.9	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Methyl tert-butyl ether	ND	vs	6.5	0.64	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Methylcyclohexane	ND	vs	6.5	0.99	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Methylene Chloride	4.3	J vs	6.5	3.0	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Styrene	ND	vs	6.5	0.33	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Tetrachloroethene	ND	vs	6.5	0.87	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Toluene	ND	vs	6.5	0.49	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
trans-1,2-Dichloroethene	ND	vs	6.5	0.67	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
trans-1,3-Dichloropropene	ND	vs	6.5	2.9	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Trichloroethene	ND	vs	6.5	1.4	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Trichlorofluoromethane	ND	vs	6.5	0.62	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Vinyl chloride	ND	vs	6.5	0.79	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1
Xylenes, Total	ND	vs	13	1.1	ug/Kg	☼	05/20/19 10:24	05/20/19 14:00	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Client Sample ID: COURTYARD SUMP

Lab Sample ID: 480-153644-2

Date Collected: 05/14/19 14:45

Matrix: Solid

Date Received: 05/14/19 15:45

Percent Solids: 75.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		71 - 125	05/20/19 10:24	05/20/19 14:00	1
1,2-Dichloroethane-d4 (Surr)	102		64 - 126	05/20/19 10:24	05/20/19 14:00	1
4-Bromofluorobenzene (Surr)	102		72 - 126	05/20/19 10:24	05/20/19 14:00	1
Dibromofluoromethane (Surr)	103		60 - 140	05/20/19 10:24	05/20/19 14:00	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		11000	3000	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
2,4,6-Trichlorophenol	ND		11000	2200	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
2,4-Dichlorophenol	ND		11000	1200	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
2,4-Dimethylphenol	ND		11000	2700	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
2,4-Dinitrophenol	ND		110000	51000	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
2,4-Dinitrotoluene	ND		11000	2300	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
2,6-Dinitrotoluene	ND		11000	1300	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
2-Chloronaphthalene	ND		11000	1800	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
2-Chlorophenol	ND		11000	2000	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
2-Methylnaphthalene	ND		11000	2200	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
2-Methylphenol	ND		11000	1300	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
2-Nitroaniline	ND		22000	1600	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
2-Nitrophenol	ND		11000	3100	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
3,3'-Dichlorobenzidine	ND		22000	13000	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
3-Nitroaniline	ND		22000	3100	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
4,6-Dinitro-2-methylphenol	ND		22000	11000	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
4-Bromophenyl phenyl ether	ND		11000	1600	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
4-Chloro-3-methylphenol	ND		11000	2700	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
4-Chloroaniline	ND		11000	2700	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
4-Chlorophenyl phenyl ether	ND		11000	1400	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Methylphenol, 3 & 4	ND		22000	1300	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
4-Nitroaniline	ND		22000	5800	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
4-Nitrophenol	ND		22000	7800	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Acenaphthene	ND		11000	1600	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Acenaphthylene	ND		11000	1400	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Acetophenone	ND		11000	1500	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Anthracene	ND		11000	2700	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Atrazine	ND		11000	3800	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Benzaldehyde	ND		11000	8800	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Benzo[a]anthracene	ND		11000	1100	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Benzo[a]pyrene	ND		11000	1600	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Benzo[b]fluoranthene	ND		11000	1800	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Benzo[g,h,i]perylene	ND		11000	1200	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Benzo[k]fluoranthene	ND		11000	1400	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Biphenyl	ND		11000	1600	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
bis (2-chloroisopropyl) ether	ND		11000	2200	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Bis(2-chloroethoxy)methane	ND		11000	2300	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Bis(2-chloroethyl)ether	ND		11000	1400	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Bis(2-ethylhexyl) phthalate	ND		11000	3800	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Butyl benzyl phthalate	ND		11000	1800	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Caprolactam	ND		11000	3300	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Carbazole	ND		11000	1300	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Chrysene	ND		11000	2500	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Client Sample ID: COURTYARD SUMP

Lab Sample ID: 480-153644-2

Date Collected: 05/14/19 14:45

Matrix: Solid

Date Received: 05/14/19 15:45

Percent Solids: 75.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		11000	2000	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Dibenzofuran	ND		11000	1300	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Diethyl phthalate	ND		11000	1400	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Dimethyl phthalate	ND		11000	1300	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Di-n-butyl phthalate	ND		11000	1900	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Di-n-octyl phthalate	ND		11000	1300	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Fluoranthene	ND		11000	1200	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Fluorene	ND		11000	1300	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Hexachlorobenzene	ND		11000	1500	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Hexachlorobutadiene	ND		11000	1600	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Hexachlorocyclopentadiene	ND		11000	1500	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Hexachloroethane	ND		11000	1400	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Indeno[1,2,3-cd]pyrene	ND		11000	1400	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Isophorone	ND		11000	2300	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Naphthalene	ND		11000	1400	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Nitrobenzene	ND		11000	1200	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
N-Nitrosodi-n-propylamine	ND		11000	1900	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
N-Nitrosodiphenylamine	ND		11000	9000	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Pentachlorophenol	ND *		22000	11000	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Phenanthrene	ND		11000	1600	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Phenol	ND		11000	1700	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5
Pyrene	ND		11000	1300	ug/Kg	☼	05/21/19 15:13	05/23/19 02:44	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	133	X	54 - 120	05/21/19 15:13	05/23/19 02:44	5
2-Fluorobiphenyl	74		60 - 120	05/21/19 15:13	05/23/19 02:44	5
2-Fluorophenol (Surr)	57		52 - 120	05/21/19 15:13	05/23/19 02:44	5
Nitrobenzene-d5 (Surr)	72		53 - 120	05/21/19 15:13	05/23/19 02:44	5
Phenol-d5 (Surr)	66		54 - 120	05/21/19 15:13	05/23/19 02:44	5
p-Terphenyl-d14 (Surr)	98		65 - 121	05/21/19 15:13	05/23/19 02:44	5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.31	0.061	mg/Kg	☼	05/21/19 06:35	05/22/19 18:35	1
PCB-1221	ND		0.31	0.061	mg/Kg	☼	05/21/19 06:35	05/22/19 18:35	1
PCB-1232	ND		0.31	0.061	mg/Kg	☼	05/21/19 06:35	05/22/19 18:35	1
PCB-1242	ND		0.31	0.061	mg/Kg	☼	05/21/19 06:35	05/22/19 18:35	1
PCB-1248	ND		0.31	0.061	mg/Kg	☼	05/21/19 06:35	05/22/19 18:35	1
PCB-1254	0.44		0.31	0.15	mg/Kg	☼	05/21/19 06:35	05/22/19 18:35	1
PCB-1260	ND		0.31	0.15	mg/Kg	☼	05/21/19 06:35	05/22/19 18:35	1
PCB-1262	ND		0.31	0.15	mg/Kg	☼	05/21/19 06:35	05/22/19 18:35	1
PCB-1268	ND		0.31	0.15	mg/Kg	☼	05/21/19 06:35	05/22/19 18:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	106		60 - 154	05/21/19 06:35	05/22/19 18:35	1
Tetrachloro-m-xylene	86		60 - 154	05/21/19 06:35	05/22/19 18:35	1
DCB Decachlorobiphenyl	99		65 - 174	05/21/19 06:35	05/22/19 18:35	1
DCB Decachlorobiphenyl	85		65 - 174	05/21/19 06:35	05/22/19 18:35	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Client Sample ID: COURTYARD SUMP

Lab Sample ID: 480-153644-2

Date Collected: 05/14/19 14:45

Matrix: Solid

Date Received: 05/14/19 15:45

Percent Solids: 75.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4160		13.0	5.7	mg/Kg	☼	05/21/19 10:20	05/22/19 21:39	1
Antimony	26.0	J	196	5.2	mg/Kg	☼	05/21/19 10:20	05/23/19 14:00	10
Arsenic	33.2		2.6	0.52	mg/Kg	☼	05/21/19 10:20	05/22/19 21:39	1
Barium	379		0.65	0.14	mg/Kg	☼	05/21/19 10:20	05/22/19 21:39	1
Beryllium	0.22	J	0.26	0.037	mg/Kg	☼	05/21/19 10:20	05/22/19 21:39	1
Cadmium	ND		2.6	0.39	mg/Kg	☼	05/21/19 10:20	05/23/19 14:00	10
Calcium	5840	B	65.2	4.3	mg/Kg	☼	05/21/19 10:20	05/22/19 21:39	1
Chromium	610		6.5	2.6	mg/Kg	☼	05/21/19 10:20	05/23/19 14:00	10
Cobalt	22.2		0.65	0.065	mg/Kg	☼	05/21/19 10:20	05/22/19 21:39	1
Copper	742		1.3	0.27	mg/Kg	☼	05/21/19 10:20	05/22/19 21:39	1
Iron	359000	B	130	45.7	mg/Kg	☼	05/21/19 10:20	05/23/19 14:00	10
Lead	150		13.0	3.1	mg/Kg	☼	05/21/19 10:20	05/23/19 14:00	10
Magnesium	1600		26.1	1.2	mg/Kg	☼	05/21/19 10:20	05/22/19 21:39	1
Manganese	2880	B	2.6	0.42	mg/Kg	☼	05/21/19 10:20	05/23/19 14:00	10
Nickel	255		65.2	3.0	mg/Kg	☼	05/21/19 10:20	05/23/19 14:00	10
Potassium	364		39.1	26.1	mg/Kg	☼	05/21/19 10:20	05/22/19 21:39	1
Selenium	ND		5.2	0.52	mg/Kg	☼	05/21/19 10:20	05/22/19 21:39	1
Silver	ND		7.8	2.6	mg/Kg	☼	05/21/19 10:20	05/23/19 14:00	10
Sodium	59.9	J	183	17.0	mg/Kg	☼	05/21/19 10:20	05/22/19 21:39	1
Thallium	ND		78.3	3.9	mg/Kg	☼	05/21/19 10:20	05/23/19 14:00	10
Vanadium	34.2		6.5	1.4	mg/Kg	☼	05/21/19 10:20	05/23/19 14:00	10
Zinc	357		2.6	0.83	mg/Kg	☼	05/21/19 10:20	05/22/19 21:39	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.31		0.025	0.010	mg/Kg	☼	05/21/19 15:23	05/21/19 16:33	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (71-125)	DCA (64-126)	BFB (72-126)	DBFM (60-140)
480-153644-2	COURTYARD SUMP	98	102	102	103
LCS 480-473698/1-A	Lab Control Sample	97	107	106	102
MB 480-473698/3-A	Method Blank	98	104	102	105

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (54-120)	FBP (60-120)	2FP (52-120)	NBZ (53-120)	PHL (54-120)	TPHd14 (65-121)
480-153644-2	COURTYARD SUMP	133 X	74	57	72	66	98
LCS 480-473984/2-A	Lab Control Sample	101	92	78	91	81	104
MB 480-473984/1-A	Method Blank	85	95	79	92	82	102

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-153644-1	TRANSFORMER PAD	60	55 X	77	65
480-153644-2	COURTYARD SUMP	106	86	99	85
LCS 480-473820/2-A	Lab Control Sample	130	104	136	119
MB 480-473820/1-A	Method Blank	110	88	116	93

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-473698/3-A

Matrix: Solid

Analysis Batch: 473646

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473698

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
2-Hexanone	ND		25	2.5	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Acetone	ND		25	4.2	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Benzene	ND		5.0	0.25	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Bromoform	ND		5.0	2.5	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Bromomethane	ND		5.0	0.45	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Chloroethane	ND		5.0	1.1	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Chloroform	ND		5.0	0.31	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Chloromethane	ND		5.0	0.30	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Cyclohexane	ND		5.0	0.70	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Methyl acetate	ND		25	3.0	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Styrene	ND		5.0	0.25	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Toluene	ND		5.0	0.38	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Trichloroethene	ND		5.0	1.1	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Xylenes, Total	ND		10	0.84	ug/Kg		05/20/19 10:24	05/20/19 12:12	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-473698/3-A

Matrix: Solid

Analysis Batch: 473646

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473698

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		71 - 125	05/20/19 10:24	05/20/19 12:12	1
1,2-Dichloroethane-d4 (Surr)	104		64 - 126	05/20/19 10:24	05/20/19 12:12	1
4-Bromofluorobenzene (Surr)	102		72 - 126	05/20/19 10:24	05/20/19 12:12	1
Dibromofluoromethane (Surr)	105		60 - 140	05/20/19 10:24	05/20/19 12:12	1

Lab Sample ID: LCS 480-473698/1-A

Matrix: Solid

Analysis Batch: 473646

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	46.3		ug/Kg		93	77 - 121
1,1,2,2-Tetrachloroethane	50.0	43.0		ug/Kg		86	80 - 120
1,1,2-Trichloroethane	50.0	44.5		ug/Kg		89	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	48.2		ug/Kg		96	60 - 140
1,1-Dichloroethane	50.0	47.1		ug/Kg		94	73 - 126
1,1-Dichloroethene	50.0	46.6		ug/Kg		93	59 - 125
1,2,4-Trichlorobenzene	50.0	44.2		ug/Kg		88	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	42.7		ug/Kg		85	63 - 124
1,2-Dichlorobenzene	50.0	43.6		ug/Kg		87	75 - 120
1,2-Dichloroethane	50.0	44.1		ug/Kg		88	77 - 122
1,2-Dichloropropane	50.0	45.5		ug/Kg		91	75 - 124
1,3-Dichlorobenzene	50.0	43.7		ug/Kg		87	74 - 120
1,4-Dichlorobenzene	50.0	44.1		ug/Kg		88	73 - 120
2-Butanone (MEK)	250	391	*	ug/Kg		156	70 - 134
2-Hexanone	250	226		ug/Kg		90	59 - 130
4-Methyl-2-pentanone (MIBK)	250	224		ug/Kg		90	65 - 133
Acetone	250	217		ug/Kg		87	61 - 137
Benzene	50.0	46.0		ug/Kg		92	79 - 127
Bromodichloromethane	50.0	46.0		ug/Kg		92	80 - 122
Bromoform	50.0	48.9		ug/Kg		98	68 - 126
Bromomethane	50.0	46.6		ug/Kg		93	37 - 149
Carbon disulfide	50.0	45.8		ug/Kg		92	64 - 131
Carbon tetrachloride	50.0	47.2		ug/Kg		94	75 - 135
Chlorobenzene	50.0	45.2		ug/Kg		90	76 - 124
Dibromochloromethane	50.0	46.9		ug/Kg		94	76 - 125
Chloroethane	50.0	46.1		ug/Kg		92	69 - 135
Chloroform	50.0	45.4		ug/Kg		91	80 - 120
Chloromethane	50.0	47.2		ug/Kg		94	63 - 127
cis-1,2-Dichloroethene	50.0	46.1		ug/Kg		92	81 - 120
cis-1,3-Dichloropropene	50.0	45.7		ug/Kg		91	80 - 120
Cyclohexane	50.0	44.1		ug/Kg		88	65 - 120
Dichlorodifluoromethane	50.0	53.8		ug/Kg		108	57 - 142
Ethylbenzene	50.0	45.0		ug/Kg		90	80 - 120
1,2-Dibromoethane	50.0	45.1		ug/Kg		90	78 - 120
Isopropylbenzene	50.0	42.2		ug/Kg		84	72 - 120
Methyl acetate	100	86.3		ug/Kg		86	55 - 136
Methyl tert-butyl ether	50.0	44.2		ug/Kg		88	63 - 125
Methylcyclohexane	50.0	44.6		ug/Kg		89	60 - 140

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-473698/1-A

Matrix: Solid

Analysis Batch: 473646

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	50.0	42.0		ug/Kg		84	61 - 127
Styrene	50.0	44.1		ug/Kg		88	80 - 120
Tetrachloroethene	50.0	47.3		ug/Kg		95	74 - 122
Toluene	50.0	43.5		ug/Kg		87	74 - 128
trans-1,2-Dichloroethene	50.0	46.7		ug/Kg		93	78 - 126
trans-1,3-Dichloropropene	50.0	44.5		ug/Kg		89	73 - 123
Trichloroethene	50.0	47.3		ug/Kg		95	77 - 129
Trichlorofluoromethane	50.0	49.5		ug/Kg		99	65 - 146
Vinyl chloride	50.0	48.3		ug/Kg		97	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	97		71 - 125
1,2-Dichloroethane-d4 (Surr)	107		64 - 126
4-Bromofluorobenzene (Surr)	106		72 - 126
Dibromofluoromethane (Surr)	102		60 - 140

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-473984/1-A

Matrix: Solid

Analysis Batch: 474234

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473984

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		170	45	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2,4,6-Trichlorophenol	ND		170	34	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2,4-Dimethylphenol	ND		170	40	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2,4-Dinitrophenol	ND		1600	770	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2,4-Dinitrotoluene	ND		170	35	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2-Chloronaphthalene	ND		170	28	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2-Chlorophenol	ND		170	31	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2-Methylnaphthalene	ND		170	34	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2-Methylphenol	ND		170	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2-Nitroaniline	ND		330	25	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2-Nitrophenol	ND		170	47	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
3,3'-Dichlorobenzidine	ND		330	200	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
3-Nitroaniline	ND		330	46	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
4,6-Dinitro-2-methylphenol	ND		330	170	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
4-Bromophenyl phenyl ether	ND		170	24	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
4-Chloro-3-methylphenol	ND		170	41	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
4-Chloroaniline	ND		170	41	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Methylphenol, 3 & 4	ND		330	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
4-Nitroaniline	ND		330	88	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
4-Nitrophenol	ND		330	120	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Acenaphthene	ND		170	25	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Acenaphthylene	ND		170	22	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Acetophenone	ND		170	23	ug/Kg		05/21/19 15:13	05/23/19 00:18	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-473984/1-A

Matrix: Solid

Analysis Batch: 474234

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473984

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		170	41	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Atrazine	ND		170	58	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Benzaldehyde	ND		170	130	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Benzo[a]anthracene	ND		170	17	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Benzo[a]pyrene	ND		170	25	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Benzo[b]fluoranthene	ND		170	27	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Biphenyl	ND		170	25	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
bis (2-chloroisopropyl) ether	ND		170	34	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Bis(2-chloroethoxy)methane	ND		170	36	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Bis(2-chloroethyl)ether	ND		170	22	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Bis(2-ethylhexyl) phthalate	ND		170	57	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Butyl benzyl phthalate	ND		170	28	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Caprolactam	ND		170	50	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Carbazole	ND		170	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Chrysene	ND		170	37	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Dibenz(a,h)anthracene	ND		170	30	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Dibenzofuran	ND		170	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Diethyl phthalate	ND		170	22	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Dimethyl phthalate	ND		170	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Di-n-butyl phthalate	ND		170	29	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Fluoranthene	ND		170	18	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Fluorene	ND		170	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Hexachlorobenzene	ND		170	23	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Hexachlorobutadiene	ND		170	25	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Hexachlorocyclopentadiene	ND		170	23	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Hexachloroethane	ND		170	22	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Isophorone	ND		170	36	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Naphthalene	ND		170	22	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Nitrobenzene	ND		170	19	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
N-Nitrosodi-n-propylamine	ND		170	29	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
N-Nitrosodiphenylamine	ND		170	140	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Pentachlorophenol	ND		330	170	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Phenanthrene	ND		170	25	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Phenol	ND		170	26	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Pyrene	ND		170	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		54 - 120	05/21/19 15:13	05/23/19 00:18	1
2-Fluorobiphenyl	95		60 - 120	05/21/19 15:13	05/23/19 00:18	1
2-Fluorophenol (Surr)	79		52 - 120	05/21/19 15:13	05/23/19 00:18	1
Nitrobenzene-d5 (Surr)	92		53 - 120	05/21/19 15:13	05/23/19 00:18	1
Phenol-d5 (Surr)	82		54 - 120	05/21/19 15:13	05/23/19 00:18	1
p-Terphenyl-d14 (Surr)	102		65 - 121	05/21/19 15:13	05/23/19 00:18	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-473984/2-A

Matrix: Solid

Analysis Batch: 474234

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473984

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	1650	1620		ug/Kg		98	59 - 126
2,4,6-Trichlorophenol	1650	1660		ug/Kg		101	59 - 123
2,4-Dichlorophenol	1650	1560		ug/Kg		95	61 - 120
2,4-Dimethylphenol	1650	1620		ug/Kg		98	59 - 120
2,4-Dinitrophenol	3290	2720		ug/Kg		83	41 - 146
2,4-Dinitrotoluene	1650	1690		ug/Kg		103	63 - 120
2,6-Dinitrotoluene	1650	1720		ug/Kg		105	66 - 120
2-Chloronaphthalene	1650	1560		ug/Kg		95	57 - 120
2-Chlorophenol	1650	1360		ug/Kg		83	53 - 120
2-Methylnaphthalene	1650	1550		ug/Kg		94	59 - 120
2-Methylphenol	1650	1380		ug/Kg		84	54 - 120
2-Nitroaniline	1650	1780		ug/Kg		108	61 - 120
2-Nitrophenol	1650	1400		ug/Kg		85	56 - 120
3,3'-Dichlorobenzidine	3290	3080		ug/Kg		94	54 - 120
3-Nitroaniline	1650	1450		ug/Kg		88	48 - 120
4,6-Dinitro-2-methylphenol	3290	3610		ug/Kg		110	49 - 122
4-Bromophenyl phenyl ether	1650	1670		ug/Kg		101	58 - 120
4-Chloro-3-methylphenol	1650	1670		ug/Kg		102	61 - 120
4-Chloroaniline	1650	1390		ug/Kg		85	38 - 120
4-Chlorophenyl phenyl ether	1650	1650		ug/Kg		100	63 - 124
Methylphenol, 3 & 4	1650	1440		ug/Kg		88	55 - 120
4-Nitroaniline	1650	1710		ug/Kg		104	56 - 120
4-Nitrophenol	3290	3680		ug/Kg		112	43 - 147
Acenaphthene	1650	1580		ug/Kg		96	62 - 120
Acenaphthylene	1650	1660		ug/Kg		101	58 - 121
Acetophenone	1650	1470		ug/Kg		89	54 - 120
Anthracene	1650	1740		ug/Kg		106	62 - 120
Atrazine	3290	3680		ug/Kg		112	60 - 127
Benzaldehyde	3290	2530		ug/Kg		77	10 - 150
Benzo[a]anthracene	1650	1690		ug/Kg		103	65 - 120
Benzo[a]pyrene	1650	1630		ug/Kg		99	64 - 120
Benzo[b]fluoranthene	1650	1850		ug/Kg		112	64 - 120
Benzo[g,h,i]perylene	1650	1700		ug/Kg		104	45 - 145
Benzo[k]fluoranthene	1650	1680		ug/Kg		102	65 - 120
Biphenyl	1650	1570		ug/Kg		96	59 - 120
bis (2-chloroisopropyl) ether	1650	1350		ug/Kg		82	44 - 120
Bis(2-chloroethoxy)methane	1650	1500		ug/Kg		91	55 - 120
Bis(2-chloroethyl)ether	1650	1370		ug/Kg		83	45 - 120
Bis(2-ethylhexyl) phthalate	1650	1900		ug/Kg		116	61 - 133
Butyl benzyl phthalate	1650	1820		ug/Kg		110	61 - 129
Caprolactam	3290	3160		ug/Kg		96	47 - 120
Carbazole	1650	1810		ug/Kg		110	65 - 120
Chrysene	1650	1720		ug/Kg		105	64 - 120
Dibenz(a,h)anthracene	1650	1750		ug/Kg		107	54 - 132
Dibenzofuran	1650	1650		ug/Kg		100	63 - 120
Diethyl phthalate	1650	1860		ug/Kg		113	66 - 120
Dimethyl phthalate	1650	1730		ug/Kg		105	65 - 124
Di-n-butyl phthalate	1650	1990		ug/Kg		121	58 - 130

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-473984/2-A

Matrix: Solid

Analysis Batch: 474234

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473984

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Di-n-octyl phthalate	1650	1910		ug/Kg		116	57 - 133
Fluoranthene	1650	1830		ug/Kg		111	62 - 120
Fluorene	1650	1640		ug/Kg		100	63 - 120
Hexachlorobenzene	1650	1740		ug/Kg		106	60 - 120
Hexachlorobutadiene	1650	1480		ug/Kg		90	45 - 120
Hexachlorocyclopentadiene	1650	1590		ug/Kg		97	47 - 120
Hexachloroethane	1650	1330		ug/Kg		81	41 - 120
Indeno[1,2,3-cd]pyrene	1650	1740		ug/Kg		106	56 - 134
Isophorone	1650	1560		ug/Kg		95	56 - 120
Naphthalene	1650	1480		ug/Kg		90	55 - 120
Nitrobenzene	1650	1570		ug/Kg		95	54 - 120
N-Nitrosodi-n-propylamine	1650	1560		ug/Kg		95	52 - 120
N-Nitrosodiphenylamine	1650	1760		ug/Kg		107	51 - 128
Pentachlorophenol	3290	4530	*	ug/Kg		138	51 - 120
Phenanthrene	1650	1760		ug/Kg		107	60 - 120
Phenol	1650	1400		ug/Kg		85	53 - 120
Pyrene	1650	1800		ug/Kg		109	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	101		54 - 120
2-Fluorobiphenyl	92		60 - 120
2-Fluorophenol (Surr)	78		52 - 120
Nitrobenzene-d5 (Surr)	91		53 - 120
Phenol-d5 (Surr)	81		54 - 120
p-Terphenyl-d14 (Surr)	104		65 - 121

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-473820/1-A

Matrix: Solid

Analysis Batch: 474175

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473820

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.039	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
PCB-1221	ND		0.20	0.039	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
PCB-1232	ND		0.20	0.039	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
PCB-1242	ND		0.20	0.039	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
PCB-1248	ND		0.20	0.039	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
PCB-1254	ND		0.20	0.092	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
PCB-1260	ND		0.20	0.092	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
PCB-1262	ND		0.20	0.092	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
PCB-1268	ND		0.20	0.092	mg/Kg		05/21/19 06:35	05/22/19 17:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	110		60 - 154	05/21/19 06:35	05/22/19 17:08	1
Tetrachloro-m-xylene	88		60 - 154	05/21/19 06:35	05/22/19 17:08	1
DCB Decachlorobiphenyl	116		65 - 174	05/21/19 06:35	05/22/19 17:08	1
DCB Decachlorobiphenyl	93		65 - 174	05/21/19 06:35	05/22/19 17:08	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 480-473820/2-A

Matrix: Solid

Analysis Batch: 474175

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473820

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	2.19	2.53		mg/Kg		115	51 - 185
PCB-1260	2.19	2.67		mg/Kg		122	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	130		60 - 154
Tetrachloro-m-xylene	104		60 - 154
DCB Decachlorobiphenyl	136		65 - 174
DCB Decachlorobiphenyl	119		65 - 174

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-473788/1-A

Matrix: Solid

Analysis Batch: 474339

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473788

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		9.7	4.3	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Antimony	ND		14.6	0.39	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Arsenic	ND		1.9	0.39	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Barium	ND		0.49	0.11	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Beryllium	ND		0.19	0.027	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Cadmium	ND		0.19	0.029	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Calcium	6.64 J		48.7	3.2	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Chromium	ND		0.49	0.19	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Cobalt	ND		0.49	0.049	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Copper	ND		0.97	0.20	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Iron	3.98 J		9.7	3.4	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Lead	ND		0.97	0.23	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Magnesium	ND		19.5	0.90	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Manganese	0.101 J		0.19	0.031	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Nickel	ND		4.9	0.22	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Potassium	ND		29.2	19.5	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Selenium	ND		3.9	0.39	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Silver	ND		0.58	0.19	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Sodium	ND		136	12.7	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Thallium	ND		5.8	0.29	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Vanadium	ND		0.49	0.11	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Zinc	ND		1.9	0.62	mg/Kg		05/21/19 10:20	05/22/19 19:56	1

Lab Sample ID: LCDSRM 480-473788/3-A

Matrix: Solid

Analysis Batch: 474339

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 473788

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	10100	8815		mg/Kg		87.3	41.6 - 123.8	2	20
Antimony	173	56.46		mg/Kg		32.6	10.0 - 134.1	5	20

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCDSRM 480-473788/3-A

Matrix: Solid

Analysis Batch: 474339

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 473788

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	221	177.5		mg/Kg		80.3	63.8 - 119.0	2	20
Barium	288	231.6		mg/Kg		80.4	70.5 - 117.4	5	20
Beryllium	102	85.24		mg/Kg		83.6	71.2 - 118.6	3	20
Cadmium	153	119.5		mg/Kg		78.1	68.6 - 115.0	4	20
Calcium	5190	4155		mg/Kg		80.1	65.7 - 115.6	2	20
Chromium	179	144.0		mg/Kg		80.4	65.4 - 121.2	2	20
Cobalt	182	170.1		mg/Kg		93.5	71.4 - 119.2	2	20
Copper	113	93.93		mg/Kg		83.1	71.4 - 118.6	4	20
Iron	15000	14020		mg/Kg		93.5	35.7 - 160.7	1	20
Lead	74.5	72.90		mg/Kg		97.9	67.8 - 130.3	6	20
Magnesium	2570	2036		mg/Kg		79.2	55.6 - 124.1	4	20
Manganese	348	292.6		mg/Kg		84.1	71.3 - 118.4	7	20
Nickel	98.0	90.01		mg/Kg		91.8	63.8 - 118.4	2	20
Potassium	2630	2118		mg/Kg		80.5	51.7 - 119.0	3	20
Selenium	54.4	42.45		mg/Kg		78.0	53.3 - 130.0	4	20
Silver	75.5	58.77		mg/Kg		77.8	66.6 - 121.7	1	20
Sodium	226	182.9		mg/Kg		80.9	39.2 - 133.2	2	20
Thallium	64.7	57.83		mg/Kg		89.4	55.0 - 126.0	4	20
Vanadium	62.7	56.53		mg/Kg		90.2	53.3 - 132.4	2	20
Zinc	281	225.5		mg/Kg		80.2	65.8 - 122.4	2	20

Lab Sample ID: LCSSRM 480-473788/2-A

Matrix: Solid

Analysis Batch: 474339

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473788

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	10100	9017		mg/Kg		89.3	41.6 - 123.8		
Antimony	173	59.09		mg/Kg		34.2	10.0 - 134.1		
Arsenic	221	180.5		mg/Kg		81.7	63.8 - 119.0		
Barium	288	242.3		mg/Kg		84.1	70.5 - 117.4		

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-473788/2-A

Matrix: Solid

Analysis Batch: 474339

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473788

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	102	87.84		mg/Kg		86.1	71.2 - 118.6
Cadmium	153	124.4		mg/Kg		81.3	68.6 - 115.0
Calcium	5190	4054		mg/Kg		78.1	65.7 - 115.6
Chromium	179	146.7		mg/Kg		81.9	65.4 - 121.2
Cobalt	182	174.2		mg/Kg		95.7	71.4 - 119.2
Copper	113	97.78		mg/Kg		86.5	71.4 - 118.6
Iron	15000	13880		mg/Kg		92.5	35.7 - 160.7
Lead	74.5	77.53		mg/Kg		104.1	67.8 - 130.3
Magnesium	2570	2112		mg/Kg		82.2	55.6 - 124.1
Manganese	348	313.0		mg/Kg		89.9	71.3 - 118.4
Nickel	98.0	92.28		mg/Kg		94.2	63.8 - 118.4
Potassium	2630	2183		mg/Kg		83.0	51.7 - 119.0
Selenium	54.4	43.99		mg/Kg		80.9	53.3 - 130.0
Silver	75.5	59.33		mg/Kg		78.6	66.6 - 121.7
Sodium	226	186.1		mg/Kg		82.3	39.2 - 133.2
Thallium	64.7	60.05		mg/Kg		92.8	55.0 - 126.0
Vanadium	62.7	57.46		mg/Kg		91.6	53.3 - 132.4
Zinc	281	230.9		mg/Kg		82.2	65.8 - 122.4

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-473760/1-A

Matrix: Solid

Analysis Batch: 474014

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473760

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.019	0.0076	mg/Kg		05/21/19 15:23	05/21/19 16:27	1

Lab Sample ID: LCDSRM 480-473760/3-A ^5

Matrix: Solid

Analysis Batch: 474014

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 473760

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hg	4.85	3.61		mg/Kg		74.4	46.0 - 107.0	9	20

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCSSRM 480-473760/2-A ^5

Matrix: Solid

Analysis Batch: 474014

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473760

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	4.85	3.30		mg/Kg		68.0	46.0 - 107. 0

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

GC/MS VOA

Analysis Batch: 473646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153644-2	COURTYARD SUMP	Total/NA	Solid	8260C	473698
MB 480-473698/3-A	Method Blank	Total/NA	Solid	8260C	473698
LCS 480-473698/1-A	Lab Control Sample	Total/NA	Solid	8260C	473698

Prep Batch: 473698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153644-2	COURTYARD SUMP	Total/NA	Solid	5035A_L	
MB 480-473698/3-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-473698/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

GC/MS Semi VOA

Prep Batch: 473984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153644-2	COURTYARD SUMP	Total/NA	Solid	3550C	
MB 480-473984/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-473984/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 474234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153644-2	COURTYARD SUMP	Total/NA	Solid	8270D	473984
MB 480-473984/1-A	Method Blank	Total/NA	Solid	8270D	473984
LCS 480-473984/2-A	Lab Control Sample	Total/NA	Solid	8270D	473984

GC Semi VOA

Prep Batch: 473820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153644-1	TRANSFORMER PAD	Total/NA	Solid	3550C	
480-153644-2	COURTYARD SUMP	Total/NA	Solid	3550C	
MB 480-473820/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-473820/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 474175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153644-1	TRANSFORMER PAD	Total/NA	Solid	8082A	473820
480-153644-2	COURTYARD SUMP	Total/NA	Solid	8082A	473820
MB 480-473820/1-A	Method Blank	Total/NA	Solid	8082A	473820
LCS 480-473820/2-A	Lab Control Sample	Total/NA	Solid	8082A	473820

Metals

Prep Batch: 473760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153644-2	COURTYARD SUMP	Total/NA	Solid	7471B	
MB 480-473760/1-A	Method Blank	Total/NA	Solid	7471B	
LCDSRM 480-473760/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	7471B	
LCSSRM 480-473760/2-A ^5	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 473788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153644-2	COURTYARD SUMP	Total/NA	Solid	3050B	

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Metals (Continued)

Prep Batch: 473788 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-473788/1-A	Method Blank	Total/NA	Solid	3050B	
LCDSRM 480-473788/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 480-473788/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 474014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153644-2	COURTYARD SUMP	Total/NA	Solid	7471B	473760
MB 480-473760/1-A	Method Blank	Total/NA	Solid	7471B	473760
LCDSRM 480-473760/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	7471B	473760
LCSSRM 480-473760/2-A ^5	Lab Control Sample	Total/NA	Solid	7471B	473760

Analysis Batch: 474339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153644-2	COURTYARD SUMP	Total/NA	Solid	6010C	473788
MB 480-473788/1-A	Method Blank	Total/NA	Solid	6010C	473788
LCDSRM 480-473788/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	473788
LCSSRM 480-473788/2-A	Lab Control Sample	Total/NA	Solid	6010C	473788

Analysis Batch: 474575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153644-2	COURTYARD SUMP	Total/NA	Solid	6010C	473788

General Chemistry

Analysis Batch: 473739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153644-2	COURTYARD SUMP	Total/NA	Solid	Moisture	

Analysis Batch: 475107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153644-1	TRANSFORMER PAD	Total/NA	Solid	Moisture	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Client Sample ID: TRANSFORMER PAD

Lab Sample ID: 480-153644-1

Date Collected: 05/14/19 13:30

Matrix: Solid

Date Received: 05/14/19 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	475107	05/29/19 11:32	CDC	TAL BUF

Client Sample ID: TRANSFORMER PAD

Lab Sample ID: 480-153644-1

Date Collected: 05/14/19 13:30

Matrix: Solid

Date Received: 05/14/19 15:45

Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			473820	05/21/19 06:35	SMP	TAL BUF
Total/NA	Analysis	8082A		1	474175	05/22/19 18:22	W1T	TAL BUF

Client Sample ID: COURTYARD SUMP

Lab Sample ID: 480-153644-2

Date Collected: 05/14/19 14:45

Matrix: Solid

Date Received: 05/14/19 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	473739	05/20/19 13:01	CDC	TAL BUF

Client Sample ID: COURTYARD SUMP

Lab Sample ID: 480-153644-2

Date Collected: 05/14/19 14:45

Matrix: Solid

Date Received: 05/14/19 15:45

Percent Solids: 75.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			473698	05/20/19 10:24	CDC	TAL BUF
Total/NA	Analysis	8260C		1	473646	05/20/19 14:00	CDC	TAL BUF
Total/NA	Prep	3550C			473984	05/21/19 15:13	SGD	TAL BUF
Total/NA	Analysis	8270D		5	474234	05/23/19 02:44	PJQ	TAL BUF
Total/NA	Prep	3550C			473820	05/21/19 06:35	SMP	TAL BUF
Total/NA	Analysis	8082A		1	474175	05/22/19 18:35	W1T	TAL BUF
Total/NA	Prep	3050B			473788	05/21/19 10:20	EMB	TAL BUF
Total/NA	Analysis	6010C		1	474339	05/22/19 21:39	AMH	TAL BUF
Total/NA	Prep	3050B			473788	05/21/19 10:20	EMB	TAL BUF
Total/NA	Analysis	6010C		10	474575	05/23/19 14:00	AMH	TAL BUF
Total/NA	Prep	7471B			473760	05/21/19 15:23	BMB	TAL BUF
Total/NA	Analysis	7471B		1	474014	05/21/19 16:33	BMB	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153644-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-153644-1	TRANSFORMER PAD	Solid	05/14/19 13:30	05/14/19 15:45	
480-153644-2	COURTYARD SUMP	Solid	05/14/19 14:45	05/14/19 15:45	

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-153644-1

Login Number: 153644

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	Yes: Received same day of collection; chilling process has begun
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

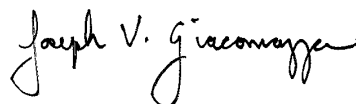
Laboratory Job ID: 480-153653-1

Client Project/Site: Morgan Materials #915307

For:

New York State D.E.C.
270 Michigan Avenue
Buffalo, New York 14203

Attn: Damianos Skaros



Authorized for release by:
6/5/2019 4:53:24 PM

Joe Giacomazza, Project Management Assistant II
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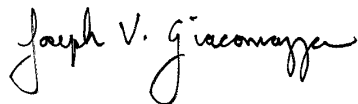
The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

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I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
6/5/2019 4:53:24 PM



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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
vs	Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A-L low-level specifications.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Job ID: 480-153653-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-153653-1

Comments

No additional comments.

Receipt

The samples were received on 5/16/2019 3:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.2° C.

GC/MS VOA

Method(s) 8260C: Due to the co-elution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) associated with analytical batch 480-473646. The following samples were affected : TP-01A (480-153653-1), TP-02 (480-153653-2), TP-03 COMP (480-153653-3), TP-04 COMP (480-153653-4), TP-07A (480-153653-5), SB-03 (480-153653-6) and FD-051619-01 (480-153653-7).

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-473698 and analytical batch 480-473646 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery, with the exception of 2-Butanone, were within acceptance limits. The following samples are impacted: SB-03 (480-153653-6[MS]) and SB-03 (480-153653-6[MSD]).

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 480-473698 and analytical batch 480-473646 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected. The following samples are impacted: SB-03 (480-153653-6[MS]) and SB-03 (480-153653-6[MSD]).

Method(s) 8260C: The following samples were diluted due to the nature of the TCLP solid sample matrix: TP-01A (480-153653-1), TP-02 (480-153653-2), TP-03 COMP (480-153653-3), TP-04 COMP (480-153653-4), TP-07A (480-153653-5), SB-03 (480-153653-6), SB-03 (480-153653-6[MS]), SB-03 (480-153653-6[MSD]), FD-051619-01 (480-153653-7) and (LB 480-474111/1-A). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-474234 recovered above the upper control limit for Pentachlorophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: TP-01A (480-153653-1), TP-02 (480-153653-2), TP-03 COMP (480-153653-3), TP-04 COMP (480-153653-4), TP-07A (480-153653-5), SB-03 (480-153653-6) and FD-051619-01 (480-153653-7).

Method(s) 8270D: The laboratory control sample (LCS) for preparation batch 480-473984 and analytical batch 480-474234 recovered outside control limits for the following analytes: Pentachlorophenol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: TP-01A (480-153653-1), TP-02 (480-153653-2), TP-03 COMP (480-153653-3), TP-04 COMP (480-153653-4), TP-07A (480-153653-5), SB-03 (480-153653-6) and FD-051619-01 (480-153653-7).

Method(s) 8270D: The following samples were diluted due to color, appearance and viscosity: TP-01A (480-153653-1) and TP-04 COMP (480-153653-4). Elevated reporting limits (RL) are provided.

Method(s) 8270D: The following samples were diluted due to color and appearance: TP-07A (480-153653-5), SB-03 (480-153653-6), SB-03 (480-153653-6[MS]), SB-03 (480-153653-6[MSD]) and FD-051619-01 (480-153653-7). Elevated reporting limits (RL) are provided.

Method(s) 8270D: The following samples required a dilution due to physical characteristics: TP-01A (480-153653-1) and TP-04 COMP (480-153653-4). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method(s) 8270D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-473984 and analytical batch

Case Narrative

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Job ID: 480-153653-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

480-474234 were below the method detection limit (MDL) for 2,4-Dinitrophenol. Percent recovery and RPD could not be calculated. The associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

Method(s) 8081B: The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

Method(s) 8081B: All primary data for analytical batch 474860 is reported from the RTX-CLPI column.

Method(s) 8082A: All primary data for analytical batch 474175 is reported from the ZB-5 column.

Method(s) 8082A: The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

Method(s) 8151A: Surrogate recovery for the following samples were outside control limits: TP-01A (480-153653-1), TP-02 (480-153653-2), TP-03 COMP (480-153653-3), TP-04 COMP (480-153653-4), TP-07A (480-153653-5), SB-03 (480-153653-6), SB-03 (480-153653-6[MS]), SB-03 (480-153653-6[MSD]), FD-051619-01 (480-153653-7), (LB 480-474106/1-D) and (LB 480-474415/1-C). This is routine for TCLP herbicides, due to the pH effects created during the leaching process, inhibiting the herbicide derivatization of the free acid components.

Method(s) 8151A: The continuing calibration verification (CCV 480-475001/4) associated with batch 480-475001 recovered above the upper control limit for surrogate 2,4-Dichlorophenylacetic acid. The samples associated with this CCV were non-detects for any target analytes; therefore, the data have been reported. The following samples are impacted: TP-01A (480-153653-1), TP-03 COMP (480-153653-3) and SB-03 (480-153653-6).

Method(s) 8151A: All primary data for analytical batch 475001 is reported from the RTX-CLPI column.

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

Metals

Method(s) 6010C: The Low Level Continuing Calibration Verification, (CCVL 480-474339/41) associated with batch 480-474339, contained Total Iron above the upper quality control limit. The associated samples were either ND for the affected analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples FD-051619-01 (480-153653-7) was not performed.

Method(s) 6010C: The Serial Dilution (480-153653-C-6-B SD ^5) in batch 480-473788, exhibited results outside the quality control limits for Total Barium. However, the Post Digestion Spike was compliant so no corrective action was necessary.

Method(s) 6010C: The recovery of Post Spike, (480-153653-C-6-B PDS), in batch 480-473788 exhibited results outside the quality control limits for Total Aluminum. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary.

Method(s) 6010C: The Serial Dilution and Post Spike (480-153653-C-6-B PDS) and (480-153653-C-6-B SD ^5) exceeded the quality control limits for Total Calcium, Magnesium, and Zinc. Sample matrix is suspected, therefore, no corrective action was necessary.

Method(s) 6010C: The following samples were diluted due to the presence of Iron which interferes with Total Silver, Cadmium, Chromium, Manganese, Nickel, Lead, Antimony, Thallium, and Vanadium: TP-04 COMP (480-153653-4), SB-03 (480-153653-6), SB-03 (480-153653-6[MS]), SB-03 (480-153653-6[MSD]), (480-153653-C-6-B PDS ^5) and (480-153653-C-6-B SD ^25). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The recovery of Post Spike, (480-153653-C-6-B PDS ^5), in batch 480-473788 exhibited results outside the quality control limits for Total Manganese. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary.

Case Narrative

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Job ID: 480-153653-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method(s) 6010C: The following samples were diluted due to the presence of Iron which interferes with Total Silver, Chromium, Manganese, Nickel, Lead, Antimony, and Vanadium: TP-01A (480-153653-1) and TP-02 (480-153653-2). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The following samples were diluted for Total Cadmium due to the nature of the sample matrix: TP-01A (480-153653-1) and TP-02 (480-153653-2). Elevated reporting limits (RLs) are provided.

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

Organic Prep

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

Detection Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-01A

Lab Sample ID: 480-153653-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Methylene Chloride	3.4	J vs	5.7	2.6	ug/Kg	1		*	8260C	Total/NA
Aluminum	5070		58.8	25.9	mg/Kg	5		*	6010C	Total/NA
Antimony	30.9	J	176	4.7	mg/Kg	10		*	6010C	Total/NA
Arsenic	31.9		11.8	2.4	mg/Kg	5		*	6010C	Total/NA
Barium	47.9		2.9	0.65	mg/Kg	5		*	6010C	Total/NA
Calcium	1790	B	294	19.4	mg/Kg	5		*	6010C	Total/NA
Chromium	176		5.9	2.4	mg/Kg	10		*	6010C	Total/NA
Cobalt	25.2		2.9	0.29	mg/Kg	5		*	6010C	Total/NA
Copper	165		5.9	1.2	mg/Kg	5		*	6010C	Total/NA
Iron	377000	B	118	41.1	mg/Kg	10		*	6010C	Total/NA
Lead	87.1		11.8	2.8	mg/Kg	10		*	6010C	Total/NA
Magnesium	819		118	5.4	mg/Kg	5		*	6010C	Total/NA
Manganese	2390	B	2.4	0.38	mg/Kg	10		*	6010C	Total/NA
Nickel	778		58.8	2.7	mg/Kg	10		*	6010C	Total/NA
Potassium	843		176	118	mg/Kg	5		*	6010C	Total/NA
Vanadium	26.7		5.9	1.3	mg/Kg	10		*	6010C	Total/NA
Zinc	97.0		11.8	3.8	mg/Kg	5		*	6010C	Total/NA
Arsenic	0.0079	J	0.015	0.0056	mg/L	1			6010C	TCLP
Barium	0.56	J	1.0	0.10	mg/L	1			6010C	TCLP
Cadmium	0.0023		0.0020	0.00050	mg/L	1			6010C	TCLP
Lead	0.23		0.020	0.0030	mg/L	1			6010C	TCLP
Hg	0.056		0.022	0.0088	mg/Kg	1		*	7471B	Total/NA

Client Sample ID: TP-02

Lab Sample ID: 480-153653-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acetone	10	J vs	33	5.5	ug/Kg	1		*	8260C	Total/NA
Methylene Chloride	3.5	J vs	6.6	3.0	ug/Kg	1		*	8260C	Total/NA
2-Methylnaphthalene	79	J	220	44	ug/Kg	1		*	8270D	Total/NA
Acenaphthylene	46	J	220	29	ug/Kg	1		*	8270D	Total/NA
Anthracene	82	J	220	55	ug/Kg	1		*	8270D	Total/NA
Benzo[a]anthracene	270		220	22	ug/Kg	1		*	8270D	Total/NA
Benzo[a]pyrene	280		220	33	ug/Kg	1		*	8270D	Total/NA
Benzo[b]fluoranthene	370		220	35	ug/Kg	1		*	8270D	Total/NA
Benzo[g,h,i]perylene	190	J	220	24	ug/Kg	1		*	8270D	Total/NA
Benzo[k]fluoranthene	140	J	220	29	ug/Kg	1		*	8270D	Total/NA
Chrysene	360		220	50	ug/Kg	1		*	8270D	Total/NA
Dibenzofuran	48	J	220	26	ug/Kg	1		*	8270D	Total/NA
Fluoranthene	520		220	24	ug/Kg	1		*	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	170	J	220	27	ug/Kg	1		*	8270D	Total/NA
Naphthalene	62	J	220	29	ug/Kg	1		*	8270D	Total/NA
Phenanthrene	370		220	33	ug/Kg	1		*	8270D	Total/NA
Pyrene	430		220	26	ug/Kg	1		*	8270D	Total/NA
Aluminum	10300		13.1	5.8	mg/Kg	1		*	6010C	Total/NA
Antimony	27.4	J	98.4	2.6	mg/Kg	5		*	6010C	Total/NA
Arsenic	37.5		2.6	0.52	mg/Kg	1		*	6010C	Total/NA
Barium	78.5		0.66	0.14	mg/Kg	1		*	6010C	Total/NA
Beryllium	0.65		0.26	0.037	mg/Kg	1		*	6010C	Total/NA
Calcium	4140	B	65.6	4.3	mg/Kg	1		*	6010C	Total/NA
Chromium	207		3.3	1.3	mg/Kg	5		*	6010C	Total/NA
Cobalt	18.2		0.66	0.066	mg/Kg	1		*	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-02 (Continued)

Lab Sample ID: 480-153653-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	121		1.3	0.28	mg/Kg	1	✱	6010C	Total/NA
Iron	300000	B	65.6	23.0	mg/Kg	5	✱	6010C	Total/NA
Lead	103		6.6	1.6	mg/Kg	5	✱	6010C	Total/NA
Magnesium	1390		26.2	1.2	mg/Kg	1	✱	6010C	Total/NA
Manganese	1470	B	1.3	0.21	mg/Kg	5	✱	6010C	Total/NA
Nickel	376		32.8	1.5	mg/Kg	5	✱	6010C	Total/NA
Potassium	1340		39.4	26.2	mg/Kg	1	✱	6010C	Total/NA
Sodium	100	J	184	17.1	mg/Kg	1	✱	6010C	Total/NA
Vanadium	70.4		3.3	0.72	mg/Kg	5	✱	6010C	Total/NA
Zinc	134		2.6	0.84	mg/Kg	1	✱	6010C	Total/NA
Arsenic	0.0077	J	0.015	0.0056	mg/L	1		6010C	TCLP
Barium	0.70	J	1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.0022		0.0020	0.00050	mg/L	1		6010C	TCLP
Lead	0.046		0.020	0.0030	mg/L	1		6010C	TCLP
Hg	0.30		0.027	0.011	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: TP-03 COMP

Lab Sample ID: 480-153653-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	6.2	J vs	7.4	0.54	ug/Kg	1	✱	8260C	Total/NA
1,1-Dichloroethane	2.1	J vs	7.4	0.91	ug/Kg	1	✱	8260C	Total/NA
Chloroform	0.49	J vs	7.4	0.46	ug/Kg	1	✱	8260C	Total/NA
Methylene Chloride	5.6	J vs	7.4	3.4	ug/Kg	1	✱	8260C	Total/NA
2-Methylnaphthalene	87	J	260	51	ug/Kg	1	✱	8270D	Total/NA
Acenaphthene	130	J	260	38	ug/Kg	1	✱	8270D	Total/NA
Anthracene	300		260	64	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]anthracene	600		260	26	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	540		260	38	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	690		260	41	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene	270		260	27	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	290		260	33	ug/Kg	1	✱	8270D	Total/NA
Carbazole	170	J	260	30	ug/Kg	1	✱	8270D	Total/NA
Chrysene	600		260	58	ug/Kg	1	✱	8270D	Total/NA
Dibenzofuran	89	J	260	30	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	1400		260	27	ug/Kg	1	✱	8270D	Total/NA
Fluorene	120	J	260	30	ug/Kg	1	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	270		260	32	ug/Kg	1	✱	8270D	Total/NA
Naphthalene	57	J	260	33	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	1200		260	38	ug/Kg	1	✱	8270D	Total/NA
Pyrene	1100		260	30	ug/Kg	1	✱	8270D	Total/NA
2,4-D	0.0013	J	0.0020	0.00040	mg/L	1		8151A	TCLP
Aluminum	1940		15.1	6.7	mg/Kg	1	✱	6010C	Total/NA
Arsenic	7.8		3.0	0.60	mg/Kg	1	✱	6010C	Total/NA
Barium	31.0		0.76	0.17	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.20	J	0.30	0.042	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.095	J	0.30	0.045	mg/Kg	1	✱	6010C	Total/NA
Calcium	1010	B	75.6	5.0	mg/Kg	1	✱	6010C	Total/NA
Chromium	9.2		0.76	0.30	mg/Kg	1	✱	6010C	Total/NA
Cobalt	2.2		0.76	0.076	mg/Kg	1	✱	6010C	Total/NA
Copper	23.0		1.5	0.32	mg/Kg	1	✱	6010C	Total/NA
Iron	12800	B	15.1	5.3	mg/Kg	1	✱	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-03 COMP (Continued)

Lab Sample ID: 480-153653-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lead	8.8		1.5	0.36	mg/Kg	1		✱	6010C	Total/NA
Magnesium	245		30.2	1.4	mg/Kg	1		✱	6010C	Total/NA
Manganese	128	B	0.30	0.048	mg/Kg	1		✱	6010C	Total/NA
Nickel	19.4		7.6	0.35	mg/Kg	1		✱	6010C	Total/NA
Potassium	374		45.4	30.2	mg/Kg	1		✱	6010C	Total/NA
Sodium	41.0	J	212	19.7	mg/Kg	1		✱	6010C	Total/NA
Vanadium	8.1		0.76	0.17	mg/Kg	1		✱	6010C	Total/NA
Zinc	13.7		3.0	0.97	mg/Kg	1		✱	6010C	Total/NA
Barium	0.22	J	1.0	0.10	mg/L	1			6010C	TCLP
Cadmium	0.0018	J	0.0020	0.00050	mg/L	1			6010C	TCLP
Hg	0.15		0.030	0.012	mg/Kg	1		✱	7471B	Total/NA

Client Sample ID: TP-04 COMP

Lab Sample ID: 480-153653-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
2-Butanone (MEK)	12	J * vs	31	2.2	ug/Kg	1		✱	8260C	Total/NA
Acetone	74	vs	31	5.2	ug/Kg	1		✱	8260C	Total/NA
Methylene Chloride	4.0	J vs	6.1	2.8	ug/Kg	1		✱	8260C	Total/NA
Acenaphthene	730	J	4200	610	ug/Kg	20		✱	8270D	Total/NA
Anthracene	2000	J	4200	1000	ug/Kg	20		✱	8270D	Total/NA
Benzo[a]anthracene	4800		4200	420	ug/Kg	20		✱	8270D	Total/NA
Benzo[a]pyrene	4600		4200	610	ug/Kg	20		✱	8270D	Total/NA
Benzo[b]fluoranthene	6600		4200	660	ug/Kg	20		✱	8270D	Total/NA
Benzo[g,h,i]perylene	2500	J	4200	440	ug/Kg	20		✱	8270D	Total/NA
Benzo[k]fluoranthene	2700	J	4200	540	ug/Kg	20		✱	8270D	Total/NA
Carbazole	1100	J	4200	490	ug/Kg	20		✱	8270D	Total/NA
Chrysene	5500		4200	930	ug/Kg	20		✱	8270D	Total/NA
Dibenzofuran	510	J	4200	490	ug/Kg	20		✱	8270D	Total/NA
Fluoranthene	9500		4200	440	ug/Kg	20		✱	8270D	Total/NA
Fluorene	900	J	4200	490	ug/Kg	20		✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	2500	J	4200	510	ug/Kg	20		✱	8270D	Total/NA
Phenanthrene	7200		4200	610	ug/Kg	20		✱	8270D	Total/NA
Pyrene	8200		4200	490	ug/Kg	20		✱	8270D	Total/NA
PCB-1254	0.12	J	0.21	0.099	mg/Kg	1		✱	8082A	Total/NA
Aluminum	12200		12.4	5.4	mg/Kg	1		✱	6010C	Total/NA
Antimony	6.9	J	37.1	0.99	mg/Kg	2		✱	6010C	Total/NA
Arsenic	11.5		2.5	0.49	mg/Kg	1		✱	6010C	Total/NA
Barium	159		0.62	0.14	mg/Kg	1		✱	6010C	Total/NA
Beryllium	0.72		0.25	0.035	mg/Kg	1		✱	6010C	Total/NA
Cadmium	2.9		0.49	0.074	mg/Kg	2		✱	6010C	Total/NA
Calcium	33100	B	61.8	4.1	mg/Kg	1		✱	6010C	Total/NA
Chromium	166		1.2	0.49	mg/Kg	2		✱	6010C	Total/NA
Cobalt	12.0		0.62	0.062	mg/Kg	1		✱	6010C	Total/NA
Copper	162		1.2	0.26	mg/Kg	1		✱	6010C	Total/NA
Iron	90500	B	24.7	8.7	mg/Kg	2		✱	6010C	Total/NA
Lead	308		2.5	0.59	mg/Kg	2		✱	6010C	Total/NA
Magnesium	11300		24.7	1.1	mg/Kg	1		✱	6010C	Total/NA
Manganese	1080	B	0.49	0.079	mg/Kg	2		✱	6010C	Total/NA
Nickel	225		12.4	0.57	mg/Kg	2		✱	6010C	Total/NA
Potassium	2490		37.1	24.7	mg/Kg	1		✱	6010C	Total/NA
Sodium	243		173	16.1	mg/Kg	1		✱	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-04 COMP (Continued)

Lab Sample ID: 480-153653-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	34.1		1.2	0.27	mg/Kg	2	✱	6010C	Total/NA
Zinc	204		2.5	0.79	mg/Kg	1	✱	6010C	Total/NA
Barium	1.7		1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.042		0.0020	0.00050	mg/L	1		6010C	TCLP
Lead	0.014	J	0.020	0.0030	mg/L	1		6010C	TCLP
Hg	0.14		0.024	0.0098	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: TP-07A

Lab Sample ID: 480-153653-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.4	J vs	30	5.0	ug/Kg	1	✱	8260C	Total/NA
Chloroform	0.40	J vs	5.9	0.37	ug/Kg	1	✱	8260C	Total/NA
Methylene Chloride	4.2	J vs	5.9	2.7	ug/Kg	1	✱	8260C	Total/NA
Acenaphthylene	1100		1000	130	ug/Kg	5	✱	8270D	Total/NA
Anthracene	450	J	1000	250	ug/Kg	5	✱	8270D	Total/NA
Benzo[a]anthracene	1500		1000	100	ug/Kg	5	✱	8270D	Total/NA
Benzo[a]pyrene	2700		1000	150	ug/Kg	5	✱	8270D	Total/NA
Benzo[b]fluoranthene	3700		1000	160	ug/Kg	5	✱	8270D	Total/NA
Benzo[g,h,i]perylene	1900		1000	110	ug/Kg	5	✱	8270D	Total/NA
Benzo[k]fluoranthene	1400		1000	130	ug/Kg	5	✱	8270D	Total/NA
Chrysene	1900		1000	230	ug/Kg	5	✱	8270D	Total/NA
Fluoranthene	3200		1000	110	ug/Kg	5	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1800		1000	130	ug/Kg	5	✱	8270D	Total/NA
Phenanthrene	460	J	1000	150	ug/Kg	5	✱	8270D	Total/NA
Pyrene	3300		1000	120	ug/Kg	5	✱	8270D	Total/NA
Aluminum	4180		12.1	5.3	mg/Kg	1	✱	6010C	Total/NA
Antimony	0.89	J	18.2	0.48	mg/Kg	1	✱	6010C	Total/NA
Arsenic	24.6		2.4	0.48	mg/Kg	1	✱	6010C	Total/NA
Barium	37.5		0.61	0.13	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.27		0.24	0.034	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.73		0.24	0.036	mg/Kg	1	✱	6010C	Total/NA
Calcium	19600	B	60.5	4.0	mg/Kg	1	✱	6010C	Total/NA
Chromium	148		0.61	0.24	mg/Kg	1	✱	6010C	Total/NA
Cobalt	9.3		0.61	0.061	mg/Kg	1	✱	6010C	Total/NA
Copper	88.9		1.2	0.25	mg/Kg	1	✱	6010C	Total/NA
Iron	59900	B	12.1	4.2	mg/Kg	1	✱	6010C	Total/NA
Lead	40.5		1.2	0.29	mg/Kg	1	✱	6010C	Total/NA
Magnesium	3220		24.2	1.1	mg/Kg	1	✱	6010C	Total/NA
Manganese	622	B	0.24	0.039	mg/Kg	1	✱	6010C	Total/NA
Nickel	299		6.1	0.28	mg/Kg	1	✱	6010C	Total/NA
Potassium	769		36.3	24.2	mg/Kg	1	✱	6010C	Total/NA
Sodium	125	J	169	15.7	mg/Kg	1	✱	6010C	Total/NA
Vanadium	14.5		0.61	0.13	mg/Kg	1	✱	6010C	Total/NA
Zinc	101		2.4	0.77	mg/Kg	1	✱	6010C	Total/NA
Arsenic	0.0058	J	0.015	0.0056	mg/L	1		6010C	TCLP
Barium	0.85	J	1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.0070		0.0020	0.00050	mg/L	1		6010C	TCLP
Lead	0.011	J	0.020	0.0030	mg/L	1		6010C	TCLP
Hg	0.058		0.025	0.010	mg/Kg	1	✱	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: SB-03

Lab Sample ID: 480-153653-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	18	J F1 * vs	35	2.5	ug/Kg	1	✱	8260C	Total/NA
Acetone	82	F1 vs	35	5.8	ug/Kg	1	✱	8260C	Total/NA
Benzene	0.35	J vs	6.9	0.34	ug/Kg	1	✱	8260C	Total/NA
Methylene Chloride	3.9	J vs	6.9	3.2	ug/Kg	1	✱	8260C	Total/NA
Toluene	1.0	J F1 vs	6.9	0.52	ug/Kg	1	✱	8260C	Total/NA
Benzo[b]fluoranthene	310	J	1200	190	ug/Kg	5	✱	8270D	Total/NA
Benzo[g,h,i]perylene	270	J	1200	130	ug/Kg	5	✱	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	2000	F1	1200	410	ug/Kg	5	✱	8270D	Total/NA
Fluoranthene	360	J	1200	130	ug/Kg	5	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	200	J	1200	150	ug/Kg	5	✱	8270D	Total/NA
Phenanthrene	240	J	1200	180	ug/Kg	5	✱	8270D	Total/NA
Aluminum	26300		13.9	6.1	mg/Kg	1	✱	6010C	Total/NA
Antimony	11.0	J F1	104	2.8	mg/Kg	5	✱	6010C	Total/NA
Arsenic	12.9		2.8	0.55	mg/Kg	1	✱	6010C	Total/NA
Barium	158	F1	0.69	0.15	mg/Kg	1	✱	6010C	Total/NA
Beryllium	1.5		0.28	0.039	mg/Kg	1	✱	6010C	Total/NA
Calcium	14200	B	69.4	4.6	mg/Kg	1	✱	6010C	Total/NA
Chromium	260		3.5	1.4	mg/Kg	5	✱	6010C	Total/NA
Cobalt	24.3		0.69	0.069	mg/Kg	1	✱	6010C	Total/NA
Copper	65.0		1.4	0.29	mg/Kg	1	✱	6010C	Total/NA
Iron	165000	B	69.4	24.3	mg/Kg	5	✱	6010C	Total/NA
Lead	47.5		6.9	1.7	mg/Kg	5	✱	6010C	Total/NA
Magnesium	5570		27.7	1.3	mg/Kg	1	✱	6010C	Total/NA
Manganese	1090	B	1.4	0.22	mg/Kg	5	✱	6010C	Total/NA
Nickel	406		34.7	1.6	mg/Kg	5	✱	6010C	Total/NA
Potassium	4670	F1	41.6	27.7	mg/Kg	1	✱	6010C	Total/NA
Sodium	673		194	18.0	mg/Kg	1	✱	6010C	Total/NA
Vanadium	80.5	F1	3.5	0.76	mg/Kg	5	✱	6010C	Total/NA
Zinc	101		2.8	0.89	mg/Kg	1	✱	6010C	Total/NA
Arsenic	0.0059	J	0.015	0.0056	mg/L	1		6010C	TCPLP
Barium	0.49	J	1.0	0.10	mg/L	1		6010C	TCPLP
Cadmium	0.0011	J	0.0020	0.00050	mg/L	1		6010C	TCPLP
Chromium	0.011	J	0.020	0.010	mg/L	1		6010C	TCPLP
Lead	0.0069	J	0.020	0.0030	mg/L	1		6010C	TCPLP
Hg	0.040		0.026	0.011	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: FD-051619-01

Lab Sample ID: 480-153653-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	18	J vs	30	5.0	ug/Kg	1	✱	8260C	Total/NA
Chloroform	0.43	J vs	5.9	0.37	ug/Kg	1	✱	8260C	Total/NA
Methylene Chloride	5.4	J vs	5.9	2.7	ug/Kg	1	✱	8260C	Total/NA
Acenaphthylene	550	J	2100	270	ug/Kg	10	✱	8270D	Total/NA
Benzo[a]anthracene	970	J	2100	210	ug/Kg	10	✱	8270D	Total/NA
Benzo[a]pyrene	1200	J	2100	310	ug/Kg	10	✱	8270D	Total/NA
Benzo[b]fluoranthene	1800	J	2100	330	ug/Kg	10	✱	8270D	Total/NA
Benzo[g,h,i]perylene	880	J	2100	220	ug/Kg	10	✱	8270D	Total/NA
Benzo[k]fluoranthene	630	J	2100	270	ug/Kg	10	✱	8270D	Total/NA
Chrysene	1000	J	2100	470	ug/Kg	10	✱	8270D	Total/NA
Fluoranthene	1700	J	2100	220	ug/Kg	10	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	910	J	2100	260	ug/Kg	10	✱	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: FD-051619-01 (Continued)

Lab Sample ID: 480-153653-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Phenanthrene	340	J	2100	310	ug/Kg	10		✱	8270D	Total/NA
Pyrene	1900	J	2100	240	ug/Kg	10		✱	8270D	Total/NA
Aluminum	4540		12.2	5.4	mg/Kg	1		✱	6010C	Total/NA
Antimony	1.1	J	18.3	0.49	mg/Kg	1		✱	6010C	Total/NA
Arsenic	18.5		2.4	0.49	mg/Kg	1		✱	6010C	Total/NA
Barium	89.2		0.61	0.13	mg/Kg	1		✱	6010C	Total/NA
Beryllium	0.26		0.24	0.034	mg/Kg	1		✱	6010C	Total/NA
Cadmium	3.1		0.24	0.037	mg/Kg	1		✱	6010C	Total/NA
Calcium	59600	B	60.9	4.0	mg/Kg	1		✱	6010C	Total/NA
Chromium	95.4		0.61	0.24	mg/Kg	1		✱	6010C	Total/NA
Cobalt	9.1		0.61	0.061	mg/Kg	1		✱	6010C	Total/NA
Copper	95.9		1.2	0.26	mg/Kg	1		✱	6010C	Total/NA
Iron	64800	^ B	12.2	4.3	mg/Kg	1		✱	6010C	Total/NA
Lead	58.4		1.2	0.29	mg/Kg	1		✱	6010C	Total/NA
Magnesium	5590		24.4	1.1	mg/Kg	1		✱	6010C	Total/NA
Manganese	843	B	0.24	0.039	mg/Kg	1		✱	6010C	Total/NA
Nickel	248		6.1	0.28	mg/Kg	1		✱	6010C	Total/NA
Potassium	989		36.5	24.4	mg/Kg	1		✱	6010C	Total/NA
Silver	0.34	J	0.73	0.24	mg/Kg	1		✱	6010C	Total/NA
Sodium	661		171	15.8	mg/Kg	1		✱	6010C	Total/NA
Vanadium	15.1		0.61	0.13	mg/Kg	1		✱	6010C	Total/NA
Zinc	106		2.4	0.78	mg/Kg	1		✱	6010C	Total/NA
Barium	0.69	J	1.0	0.10	mg/L	1			6010C	TCLP
Cadmium	0.0083		0.0020	0.00050	mg/L	1			6010C	TCLP
Hg	0.051		0.024	0.0098	mg/Kg	1		✱	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-01A

Lab Sample ID: 480-153653-1

Date Collected: 05/16/19 09:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 86.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.7	0.41	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
1,1,2,2-Tetrachloroethane	ND	vs	5.7	0.92	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
1,1,2-Trichloroethane	ND	vs	5.7	0.74	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.7	1.3	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
1,1-Dichloroethane	ND	vs	5.7	0.69	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
1,1-Dichloroethene	ND	vs	5.7	0.69	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
1,2,4-Trichlorobenzene	ND	vs	5.7	0.34	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.7	2.8	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
1,2-Dichlorobenzene	ND	vs	5.7	0.44	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
1,2-Dichloroethane	ND	vs	5.7	0.28	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
1,2-Dichloropropane	ND	vs	5.7	2.8	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
1,3-Dichlorobenzene	ND	vs	5.7	0.29	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
1,4-Dichlorobenzene	ND	vs	5.7	0.79	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
2-Butanone (MEK)	ND	* vs	28	2.1	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
2-Hexanone	ND	vs	28	2.8	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
4-Methyl-2-pentanone (MIBK)	ND	vs	28	1.9	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Acetone	ND	vs	28	4.8	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Benzene	ND	vs	5.7	0.28	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Bromodichloromethane	ND	vs	5.7	0.76	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Bromoform	ND	vs	5.7	2.8	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Bromomethane	ND	vs	5.7	0.51	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Carbon disulfide	ND	vs	5.7	2.8	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Carbon tetrachloride	ND	vs	5.7	0.55	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Chlorobenzene	ND	vs	5.7	0.75	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Dibromochloromethane	ND	vs	5.7	0.73	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Chloroethane	ND	vs	5.7	1.3	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Chloroform	ND	vs	5.7	0.35	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Chloromethane	ND	vs	5.7	0.34	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
cis-1,2-Dichloroethene	ND	vs	5.7	0.73	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
cis-1,3-Dichloropropene	ND	vs	5.7	0.82	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Cyclohexane	ND	vs	5.7	0.79	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Dichlorodifluoromethane	ND	vs	5.7	0.47	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Ethylbenzene	ND	vs	5.7	0.39	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
1,2-Dibromoethane	ND	vs	5.7	0.73	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Isopropylbenzene	ND	vs	5.7	0.86	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Methyl acetate	ND	vs	28	3.4	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Methyl tert-butyl ether	ND	vs	5.7	0.56	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Methylcyclohexane	ND	vs	5.7	0.86	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Methylene Chloride	3.4	J vs	5.7	2.6	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Styrene	ND	vs	5.7	0.28	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Tetrachloroethene	ND	vs	5.7	0.76	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Toluene	ND	vs	5.7	0.43	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
trans-1,2-Dichloroethene	ND	vs	5.7	0.59	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
trans-1,3-Dichloropropene	ND	vs	5.7	2.5	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Trichloroethene	ND	vs	5.7	1.2	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Trichlorofluoromethane	ND	vs	5.7	0.54	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Vinyl chloride	ND	vs	5.7	0.69	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1
Xylenes, Total	ND	vs	11	0.95	ug/Kg	☼	05/20/19 10:24	05/20/19 14:26	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-01A

Lab Sample ID: 480-153653-1

Date Collected: 05/16/19 09:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 86.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		71 - 125	05/20/19 10:24	05/20/19 14:26	1
1,2-Dichloroethane-d4 (Surr)	103		64 - 126	05/20/19 10:24	05/20/19 14:26	1
4-Bromofluorobenzene (Surr)	104		72 - 126	05/20/19 10:24	05/20/19 14:26	1
Dibromofluoromethane (Surr)	105		60 - 140	05/20/19 10:24	05/20/19 14:26	1

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/24/19 12:04	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/24/19 12:04	10
Benzene	ND		0.010	0.0041	mg/L			05/24/19 12:04	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/24/19 12:04	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/24/19 12:04	10
Chloroform	ND		0.010	0.0034	mg/L			05/24/19 12:04	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/24/19 12:04	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/24/19 12:04	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/24/19 12:04	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/24/19 12:04	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		05/24/19 12:04	10
4-Bromofluorobenzene (Surr)	82		73 - 120		05/24/19 12:04	10
Toluene-d8 (Surr)	89		80 - 120		05/24/19 12:04	10
Dibromofluoromethane (Surr)	94		75 - 123		05/24/19 12:04	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		9800	2600	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50
2,4,6-Trichlorophenol	ND		9800	2000	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50
2,4-Dichlorophenol	ND		9800	1000	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50
2,4-Dimethylphenol	ND		9800	2400	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50
2,4-Dinitrophenol	ND		95000	45000	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50
2,4-Dinitrotoluene	ND		9800	2000	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50
2,6-Dinitrotoluene	ND		9800	1100	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50
2-Chloronaphthalene	ND		9800	1600	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50
2-Chlorophenol	ND		9800	1800	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50
2-Methylnaphthalene	ND		9800	2000	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50
2-Methylphenol	ND		9800	1100	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50
2-Nitroaniline	ND		19000	1400	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50
2-Nitrophenol	ND		9800	2800	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50
3,3'-Dichlorobenzidine	ND		19000	11000	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50
3-Nitroaniline	ND		19000	2700	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50
4,6-Dinitro-2-methylphenol	ND		19000	9800	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50
4-Bromophenyl phenyl ether	ND		9800	1400	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50
4-Chloro-3-methylphenol	ND		9800	2400	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50
4-Chloroaniline	ND		9800	2400	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50
4-Chlorophenyl phenyl ether	ND		9800	1200	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50
Methylphenol, 3 & 4	ND		19000	1100	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50
4-Nitroaniline	ND		19000	5100	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50
4-Nitrophenol	ND		19000	6800	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50
Acenaphthene	ND		9800	1400	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50
Acenaphthylene	ND		9800	1300	ug/Kg	✱	05/21/19 15:13	05/23/19 03:08	50

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-01A

Lab Sample ID: 480-153653-1

Date Collected: 05/16/19 09:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 86.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		9800	1300	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Anthracene	ND		9800	2400	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Atrazine	ND		9800	3400	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Benzaldehyde	ND		9800	7700	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Benzo[a]anthracene	ND		9800	980	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Benzo[a]pyrene	ND		9800	1400	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Benzo[b]fluoranthene	ND		9800	1500	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Benzo[g,h,i]perylene	ND		9800	1000	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Benzo[k]fluoranthene	ND		9800	1300	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Biphenyl	ND		9800	1400	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
bis (2-chloroisopropyl) ether	ND		9800	2000	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Bis(2-chloroethoxy)methane	ND		9800	2100	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Bis(2-chloroethyl)ether	ND		9800	1300	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Bis(2-ethylhexyl) phthalate	ND		9800	3300	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Butyl benzyl phthalate	ND		9800	1600	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Caprolactam	ND		9800	2900	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Carbazole	ND		9800	1100	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Chrysene	ND		9800	2200	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Dibenz(a,h)anthracene	ND		9800	1700	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Dibenzofuran	ND		9800	1100	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Diethyl phthalate	ND		9800	1300	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Dimethyl phthalate	ND		9800	1100	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Di-n-butyl phthalate	ND		9800	1700	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Di-n-octyl phthalate	ND		9800	1100	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Fluoranthene	ND		9800	1000	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Fluorene	ND		9800	1100	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Hexachlorobenzene	ND		9800	1300	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Hexachlorobutadiene	ND		9800	1400	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Hexachlorocyclopentadiene	ND		9800	1300	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Hexachloroethane	ND		9800	1300	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Indeno[1,2,3-cd]pyrene	ND		9800	1200	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Isophorone	ND		9800	2100	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Naphthalene	ND		9800	1300	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Nitrobenzene	ND		9800	1100	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
N-Nitrosodi-n-propylamine	ND		9800	1700	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
N-Nitrosodiphenylamine	ND		9800	7900	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Pentachlorophenol	ND *		19000	9800	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Phenanthrene	ND		9800	1400	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Phenol	ND		9800	1500	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50
Pyrene	ND		9800	1100	ug/Kg	☼	05/21/19 15:13	05/23/19 03:08	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	132	X	54 - 120	05/21/19 15:13	05/23/19 03:08	50
2-Fluorobiphenyl	90		60 - 120	05/21/19 15:13	05/23/19 03:08	50
2-Fluorophenol (Surr)	47	X	52 - 120	05/21/19 15:13	05/23/19 03:08	50
Nitrobenzene-d5 (Surr)	76		53 - 120	05/21/19 15:13	05/23/19 03:08	50
Phenol-d5 (Surr)	71		54 - 120	05/21/19 15:13	05/23/19 03:08	50
p-Terphenyl-d14 (Surr)	92		65 - 121	05/21/19 15:13	05/23/19 03:08	50

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-01A

Lab Sample ID: 480-153653-1

Date Collected: 05/16/19 09:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 86.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		05/24/19 10:21	05/29/19 00:18	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		05/24/19 10:21	05/29/19 00:18	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		05/24/19 10:21	05/29/19 00:18	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		05/24/19 10:21	05/29/19 00:18	1
2-Methylphenol	ND		0.020	0.0016	mg/L		05/24/19 10:21	05/29/19 00:18	1
3-Methylphenol	ND		0.040	0.0016	mg/L		05/24/19 10:21	05/29/19 00:18	1
4-Methylphenol	ND		0.040	0.0014	mg/L		05/24/19 10:21	05/29/19 00:18	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		05/24/19 10:21	05/29/19 00:18	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		05/24/19 10:21	05/29/19 00:18	1
Hexachloroethane	ND		0.020	0.0023	mg/L		05/24/19 10:21	05/29/19 00:18	1
Nitrobenzene	ND		0.020	0.0011	mg/L		05/24/19 10:21	05/29/19 00:18	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		05/24/19 10:21	05/29/19 00:18	1
Pyridine	ND		0.10	0.0016	mg/L		05/24/19 10:21	05/29/19 00:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		41 - 120	05/24/19 10:21	05/29/19 00:18	1
2-Fluorobiphenyl	99		48 - 120	05/24/19 10:21	05/29/19 00:18	1
2-Fluorophenol (Surr)	54		35 - 120	05/24/19 10:21	05/29/19 00:18	1
Nitrobenzene-d5 (Surr)	97		46 - 120	05/24/19 10:21	05/29/19 00:18	1
p-Terphenyl-d14 (Surr)	88		59 - 136	05/24/19 10:21	05/29/19 00:18	1
Phenol-d5 (Surr)	35		22 - 120	05/24/19 10:21	05/29/19 00:18	1

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0020	0.000029	mg/L		05/24/19 10:18	05/28/19 13:23	1
Endrin	ND		0.00020	0.000014	mg/L		05/24/19 10:18	05/28/19 13:23	1
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		05/24/19 10:18	05/28/19 13:23	1
Heptachlor	ND		0.00020	0.0000085	mg/L		05/24/19 10:18	05/28/19 13:23	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		05/24/19 10:18	05/28/19 13:23	1
Methoxychlor	ND		0.00020	0.000014	mg/L		05/24/19 10:18	05/28/19 13:23	1
Toxaphene	ND		0.0020	0.00012	mg/L		05/24/19 10:18	05/28/19 13:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	63		20 - 120	05/24/19 10:18	05/28/19 13:23	1
DCB Decachlorobiphenyl	56		20 - 120	05/24/19 10:18	05/28/19 13:23	1
Tetrachloro-m-xylene	85		44 - 120	05/24/19 10:18	05/28/19 13:23	1
Tetrachloro-m-xylene	68		44 - 120	05/24/19 10:18	05/28/19 13:23	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.038	mg/Kg	✱	05/21/19 06:35	05/22/19 18:47	1
PCB-1221	ND		0.20	0.038	mg/Kg	✱	05/21/19 06:35	05/22/19 18:47	1
PCB-1232	ND		0.20	0.038	mg/Kg	✱	05/21/19 06:35	05/22/19 18:47	1
PCB-1242	ND		0.20	0.038	mg/Kg	✱	05/21/19 06:35	05/22/19 18:47	1
PCB-1248	ND		0.20	0.038	mg/Kg	✱	05/21/19 06:35	05/22/19 18:47	1
PCB-1254	ND		0.20	0.091	mg/Kg	✱	05/21/19 06:35	05/22/19 18:47	1
PCB-1260	ND		0.20	0.091	mg/Kg	✱	05/21/19 06:35	05/22/19 18:47	1
PCB-1262	ND		0.20	0.091	mg/Kg	✱	05/21/19 06:35	05/22/19 18:47	1
PCB-1268	ND		0.20	0.091	mg/Kg	✱	05/21/19 06:35	05/22/19 18:47	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-01A

Lab Sample ID: 480-153653-1

Date Collected: 05/16/19 09:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 86.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	100		60 - 154	05/21/19 06:35	05/22/19 18:47	1
Tetrachloro-m-xylene	76		60 - 154	05/21/19 06:35	05/22/19 18:47	1
DCB Decachlorobiphenyl	89		65 - 174	05/21/19 06:35	05/22/19 18:47	1
DCB Decachlorobiphenyl	78		65 - 174	05/21/19 06:35	05/22/19 18:47	1

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		05/24/19 10:15	05/29/19 12:53	1
2,4-D	ND		0.0020	0.00040	mg/L		05/24/19 10:15	05/29/19 12:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	33	X	48 - 132	05/24/19 10:15	05/29/19 12:53	1
2,4-Dichlorophenylacetic acid	42	X	48 - 132	05/24/19 10:15	05/29/19 12:53	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5070		58.8	25.9	mg/Kg	☆	05/21/19 10:20	05/22/19 20:07	5
Antimony	30.9	J	176	4.7	mg/Kg	☆	05/21/19 10:20	05/23/19 13:16	10
Arsenic	31.9		11.8	2.4	mg/Kg	☆	05/21/19 10:20	05/22/19 20:07	5
Barium	47.9		2.9	0.65	mg/Kg	☆	05/21/19 10:20	05/22/19 20:07	5
Beryllium	ND		1.2	0.16	mg/Kg	☆	05/21/19 10:20	05/22/19 20:07	5
Cadmium	ND		4.7	0.71	mg/Kg	☆	05/21/19 10:20	05/24/19 14:11	20
Calcium	1790	B	294	19.4	mg/Kg	☆	05/21/19 10:20	05/22/19 20:07	5
Chromium	176		5.9	2.4	mg/Kg	☆	05/21/19 10:20	05/23/19 13:16	10
Cobalt	25.2		2.9	0.29	mg/Kg	☆	05/21/19 10:20	05/22/19 20:07	5
Copper	165		5.9	1.2	mg/Kg	☆	05/21/19 10:20	05/22/19 20:07	5
Iron	377000	B	118	41.1	mg/Kg	☆	05/21/19 10:20	05/23/19 13:16	10
Lead	87.1		11.8	2.8	mg/Kg	☆	05/21/19 10:20	05/23/19 13:16	10
Magnesium	819		118	5.4	mg/Kg	☆	05/21/19 10:20	05/22/19 20:07	5
Manganese	2390	B	2.4	0.38	mg/Kg	☆	05/21/19 10:20	05/23/19 13:16	10
Nickel	778		58.8	2.7	mg/Kg	☆	05/21/19 10:20	05/23/19 13:16	10
Potassium	843		176	118	mg/Kg	☆	05/21/19 10:20	05/22/19 20:07	5
Selenium	ND		23.5	2.4	mg/Kg	☆	05/21/19 10:20	05/22/19 20:07	5
Silver	ND		7.1	2.4	mg/Kg	☆	05/21/19 10:20	05/23/19 13:16	10
Sodium	ND		823	76.4	mg/Kg	☆	05/21/19 10:20	05/22/19 20:07	5
Thallium	ND		35.3	1.8	mg/Kg	☆	05/21/19 10:20	05/22/19 20:07	5
Vanadium	26.7		5.9	1.3	mg/Kg	☆	05/21/19 10:20	05/23/19 13:16	10
Zinc	97.0		11.8	3.8	mg/Kg	☆	05/21/19 10:20	05/22/19 20:07	5

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0079	J	0.015	0.0056	mg/L		05/23/19 10:10	05/30/19 14:22	1
Barium	0.56	J	1.0	0.10	mg/L		05/23/19 10:10	05/30/19 14:22	1
Cadmium	0.0023		0.0020	0.00050	mg/L		05/23/19 10:10	05/30/19 14:22	1
Chromium	ND		0.020	0.010	mg/L		05/23/19 10:10	05/30/19 14:22	1
Lead	0.23		0.020	0.0030	mg/L		05/23/19 10:10	05/30/19 14:22	1
Selenium	ND		0.025	0.0087	mg/L		05/23/19 10:10	05/30/19 14:22	1
Silver	ND		0.0060	0.0017	mg/L		05/23/19 10:10	05/30/19 14:22	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-01A

Lab Sample ID: 480-153653-1

Date Collected: 05/16/19 09:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 86.4

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	—	05/23/19 11:37	05/23/19 15:12	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.056		0.022	0.0088	mg/Kg	☼	05/21/19 15:23	05/21/19 16:36	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-02

Lab Sample ID: 480-153653-2

Date Collected: 05/16/19 09:45

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 75.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	6.6	0.48	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
1,1,2,2-Tetrachloroethane	ND	vs	6.6	1.1	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
1,1,2-Trichloroethane	ND	vs	6.6	0.85	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.6	1.5	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
1,1-Dichloroethane	ND	vs	6.6	0.80	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
1,1-Dichloroethene	ND	vs	6.6	0.80	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
1,2,4-Trichlorobenzene	ND	vs	6.6	0.40	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.6	3.3	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
1,2-Dichlorobenzene	ND	vs	6.6	0.51	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
1,2-Dichloroethane	ND	vs	6.6	0.33	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
1,2-Dichloropropane	ND	vs	6.6	3.3	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
1,3-Dichlorobenzene	ND	vs	6.6	0.34	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
1,4-Dichlorobenzene	ND	vs	6.6	0.92	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
2-Butanone (MEK)	ND	* vs	33	2.4	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
2-Hexanone	ND	vs	33	3.3	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
4-Methyl-2-pentanone (MIBK)	ND	vs	33	2.2	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Acetone	10	J vs	33	5.5	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Benzene	ND	vs	6.6	0.32	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Bromodichloromethane	ND	vs	6.6	0.88	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Bromoform	ND	vs	6.6	3.3	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Bromomethane	ND	vs	6.6	0.59	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Carbon disulfide	ND	vs	6.6	3.3	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Carbon tetrachloride	ND	vs	6.6	0.64	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Chlorobenzene	ND	vs	6.6	0.87	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Dibromochloromethane	ND	vs	6.6	0.84	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Chloroethane	ND	vs	6.6	1.5	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Chloroform	ND	vs	6.6	0.41	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Chloromethane	ND	vs	6.6	0.40	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
cis-1,2-Dichloroethene	ND	vs	6.6	0.84	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
cis-1,3-Dichloropropene	ND	vs	6.6	0.95	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Cyclohexane	ND	vs	6.6	0.92	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Dichlorodifluoromethane	ND	vs	6.6	0.54	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Ethylbenzene	ND	vs	6.6	0.45	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
1,2-Dibromoethane	ND	vs	6.6	0.84	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Isopropylbenzene	ND	vs	6.6	0.99	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Methyl acetate	ND	vs	33	4.0	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Methyl tert-butyl ether	ND	vs	6.6	0.64	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Methylcyclohexane	ND	vs	6.6	1.0	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Methylene Chloride	3.5	J vs	6.6	3.0	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Styrene	ND	vs	6.6	0.33	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Tetrachloroethene	ND	vs	6.6	0.88	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Toluene	ND	vs	6.6	0.50	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
trans-1,2-Dichloroethene	ND	vs	6.6	0.68	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
trans-1,3-Dichloropropene	ND	vs	6.6	2.9	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Trichloroethene	ND	vs	6.6	1.4	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Trichlorofluoromethane	ND	vs	6.6	0.62	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Vinyl chloride	ND	vs	6.6	0.80	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1
Xylenes, Total	ND	vs	13	1.1	ug/Kg	☼	05/20/19 10:24	05/20/19 14:52	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-02

Lab Sample ID: 480-153653-2

Date Collected: 05/16/19 09:45

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 75.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		71 - 125	05/20/19 10:24	05/20/19 14:52	1
1,2-Dichloroethane-d4 (Surr)	105		64 - 126	05/20/19 10:24	05/20/19 14:52	1
4-Bromofluorobenzene (Surr)	102		72 - 126	05/20/19 10:24	05/20/19 14:52	1
Dibromofluoromethane (Surr)	106		60 - 140	05/20/19 10:24	05/20/19 14:52	1

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/24/19 12:28	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/24/19 12:28	10
Benzene	ND		0.010	0.0041	mg/L			05/24/19 12:28	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/24/19 12:28	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/24/19 12:28	10
Chloroform	ND		0.010	0.0034	mg/L			05/24/19 12:28	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/24/19 12:28	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/24/19 12:28	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/24/19 12:28	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/24/19 12:28	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		05/24/19 12:28	10
4-Bromofluorobenzene (Surr)	87		73 - 120		05/24/19 12:28	10
Toluene-d8 (Surr)	93		80 - 120		05/24/19 12:28	10
Dibromofluoromethane (Surr)	94		75 - 123		05/24/19 12:28	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		220	60	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1
2,4,6-Trichlorophenol	ND		220	44	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1
2,4-Dichlorophenol	ND		220	24	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1
2,4-Dimethylphenol	ND		220	54	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1
2,4-Dinitrophenol	ND		2200	1000	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1
2,4-Dinitrotoluene	ND		220	46	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1
2,6-Dinitrotoluene	ND		220	26	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1
2-Chloronaphthalene	ND		220	37	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1
2-Chlorophenol	ND		220	41	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1
2-Methylnaphthalene	79	J	220	44	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1
2-Methylphenol	ND		220	26	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1
2-Nitroaniline	ND		430	33	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1
2-Nitrophenol	ND		220	63	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1
3,3'-Dichlorobenzidine	ND		430	260	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1
3-Nitroaniline	ND		430	61	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1
4,6-Dinitro-2-methylphenol	ND		430	220	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1
4-Bromophenyl phenyl ether	ND		220	31	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1
4-Chloro-3-methylphenol	ND		220	55	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1
4-Chloroaniline	ND		220	55	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1
4-Chlorophenyl phenyl ether	ND		220	27	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1
Methylphenol, 3 & 4	ND		430	26	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1
4-Nitroaniline	ND		430	120	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1
4-Nitrophenol	ND		430	160	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1
Acenaphthene	ND		220	33	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1
Acenaphthylene	46	J	220	29	ug/Kg	✱	05/21/19 15:13	05/23/19 03:32	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-02

Lab Sample ID: 480-153653-2

Date Collected: 05/16/19 09:45

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 75.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		220	30	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Anthracene	82	J	220	55	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Atrazine	ND		220	77	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Benzaldehyde	ND		220	180	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Benzo[a]anthracene	270		220	22	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Benzo[a]pyrene	280		220	33	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Benzo[b]fluoranthene	370		220	35	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Benzo[g,h,i]perylene	190	J	220	24	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Benzo[k]fluoranthene	140	J	220	29	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Biphenyl	ND		220	33	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
bis (2-chloroisopropyl) ether	ND		220	44	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Bis(2-chloroethoxy)methane	ND		220	47	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Bis(2-chloroethyl)ether	ND		220	29	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Bis(2-ethylhexyl) phthalate	ND		220	76	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Butyl benzyl phthalate	ND		220	37	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Caprolactam	ND		220	67	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Carbazole	ND		220	26	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Chrysene	360		220	50	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Dibenz(a,h)anthracene	ND		220	39	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Dibenzofuran	48	J	220	26	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Diethyl phthalate	ND		220	29	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Dimethyl phthalate	ND		220	26	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Di-n-butyl phthalate	ND		220	38	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Di-n-octyl phthalate	ND		220	26	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Fluoranthene	520		220	24	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Fluorene	ND		220	26	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Hexachlorobenzene	ND		220	30	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Hexachlorobutadiene	ND		220	33	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Hexachlorocyclopentadiene	ND		220	30	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Hexachloroethane	ND		220	29	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Indeno[1,2,3-cd]pyrene	170	J	220	27	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Isophorone	ND		220	47	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Naphthalene	62	J	220	29	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Nitrobenzene	ND		220	25	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
N-Nitrosodi-n-propylamine	ND		220	38	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
N-Nitrosodiphenylamine	ND		220	180	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Pentachlorophenol	ND *		430	220	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Phenanthrene	370		220	33	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Phenol	ND		220	34	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1
Pyrene	430		220	26	ug/Kg	☼	05/21/19 15:13	05/23/19 03:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	94		54 - 120	05/21/19 15:13	05/23/19 03:32	1
2-Fluorobiphenyl	92		60 - 120	05/21/19 15:13	05/23/19 03:32	1
2-Fluorophenol (Surr)	76		52 - 120	05/21/19 15:13	05/23/19 03:32	1
Nitrobenzene-d5 (Surr)	92		53 - 120	05/21/19 15:13	05/23/19 03:32	1
Phenol-d5 (Surr)	79		54 - 120	05/21/19 15:13	05/23/19 03:32	1
p-Terphenyl-d14 (Surr)	94		65 - 121	05/21/19 15:13	05/23/19 03:32	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-02

Lab Sample ID: 480-153653-2

Date Collected: 05/16/19 09:45

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 75.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		05/24/19 10:21	05/29/19 00:44	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		05/24/19 10:21	05/29/19 00:44	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		05/24/19 10:21	05/29/19 00:44	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		05/24/19 10:21	05/29/19 00:44	1
2-Methylphenol	ND		0.020	0.0016	mg/L		05/24/19 10:21	05/29/19 00:44	1
3-Methylphenol	ND		0.040	0.0016	mg/L		05/24/19 10:21	05/29/19 00:44	1
4-Methylphenol	ND		0.040	0.0014	mg/L		05/24/19 10:21	05/29/19 00:44	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		05/24/19 10:21	05/29/19 00:44	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		05/24/19 10:21	05/29/19 00:44	1
Hexachloroethane	ND		0.020	0.0023	mg/L		05/24/19 10:21	05/29/19 00:44	1
Nitrobenzene	ND		0.020	0.0011	mg/L		05/24/19 10:21	05/29/19 00:44	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		05/24/19 10:21	05/29/19 00:44	1
Pyridine	ND		0.10	0.0016	mg/L		05/24/19 10:21	05/29/19 00:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		41 - 120	05/24/19 10:21	05/29/19 00:44	1
2-Fluorobiphenyl	99		48 - 120	05/24/19 10:21	05/29/19 00:44	1
2-Fluorophenol (Surr)	54		35 - 120	05/24/19 10:21	05/29/19 00:44	1
Nitrobenzene-d5 (Surr)	96		46 - 120	05/24/19 10:21	05/29/19 00:44	1
p-Terphenyl-d14 (Surr)	104		59 - 136	05/24/19 10:21	05/29/19 00:44	1
Phenol-d5 (Surr)	35		22 - 120	05/24/19 10:21	05/29/19 00:44	1

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0020	0.000029	mg/L		05/24/19 10:18	05/28/19 13:42	1
Endrin	ND		0.00020	0.000014	mg/L		05/24/19 10:18	05/28/19 13:42	1
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		05/24/19 10:18	05/28/19 13:42	1
Heptachlor	ND		0.00020	0.0000085	mg/L		05/24/19 10:18	05/28/19 13:42	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		05/24/19 10:18	05/28/19 13:42	1
Methoxychlor	ND		0.00020	0.000014	mg/L		05/24/19 10:18	05/28/19 13:42	1
Toxaphene	ND		0.0020	0.00012	mg/L		05/24/19 10:18	05/28/19 13:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	71		20 - 120	05/24/19 10:18	05/28/19 13:42	1
DCB Decachlorobiphenyl	70		20 - 120	05/24/19 10:18	05/28/19 13:42	1
Tetrachloro-m-xylene	78		44 - 120	05/24/19 10:18	05/28/19 13:42	1
Tetrachloro-m-xylene	67		44 - 120	05/24/19 10:18	05/28/19 13:42	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.31	0.060	mg/Kg	✱	05/21/19 06:35	05/22/19 19:00	1
PCB-1221	ND		0.31	0.060	mg/Kg	✱	05/21/19 06:35	05/22/19 19:00	1
PCB-1232	ND		0.31	0.060	mg/Kg	✱	05/21/19 06:35	05/22/19 19:00	1
PCB-1242	ND		0.31	0.060	mg/Kg	✱	05/21/19 06:35	05/22/19 19:00	1
PCB-1248	ND		0.31	0.060	mg/Kg	✱	05/21/19 06:35	05/22/19 19:00	1
PCB-1254	ND		0.31	0.14	mg/Kg	✱	05/21/19 06:35	05/22/19 19:00	1
PCB-1260	ND		0.31	0.14	mg/Kg	✱	05/21/19 06:35	05/22/19 19:00	1
PCB-1262	ND		0.31	0.14	mg/Kg	✱	05/21/19 06:35	05/22/19 19:00	1
PCB-1268	ND		0.31	0.14	mg/Kg	✱	05/21/19 06:35	05/22/19 19:00	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-02

Lab Sample ID: 480-153653-2

Date Collected: 05/16/19 09:45

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 75.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	95		60 - 154	05/21/19 06:35	05/22/19 19:00	1
Tetrachloro-m-xylene	76		60 - 154	05/21/19 06:35	05/22/19 19:00	1
DCB Decachlorobiphenyl	89		65 - 174	05/21/19 06:35	05/22/19 19:00	1
DCB Decachlorobiphenyl	74		65 - 174	05/21/19 06:35	05/22/19 19:00	1

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		05/24/19 10:15	05/29/19 13:22	1
2,4-D	ND		0.0020	0.00040	mg/L		05/24/19 10:15	05/29/19 13:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	39	X	48 - 132	05/24/19 10:15	05/29/19 13:22	1
2,4-Dichlorophenylacetic acid	39	X	48 - 132	05/24/19 10:15	05/29/19 13:22	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10300		13.1	5.8	mg/Kg	☆	05/21/19 10:20	05/22/19 20:11	1
Antimony	27.4	J	98.4	2.6	mg/Kg	☆	05/21/19 10:20	05/23/19 13:20	5
Arsenic	37.5		2.6	0.52	mg/Kg	☆	05/21/19 10:20	05/22/19 20:11	1
Barium	78.5		0.66	0.14	mg/Kg	☆	05/21/19 10:20	05/22/19 20:11	1
Beryllium	0.65		0.26	0.037	mg/Kg	☆	05/21/19 10:20	05/22/19 20:11	1
Cadmium	ND		2.6	0.39	mg/Kg	☆	05/21/19 10:20	05/24/19 14:15	10
Calcium	4140	B	65.6	4.3	mg/Kg	☆	05/21/19 10:20	05/22/19 20:11	1
Chromium	207		3.3	1.3	mg/Kg	☆	05/21/19 10:20	05/23/19 13:20	5
Cobalt	18.2		0.66	0.066	mg/Kg	☆	05/21/19 10:20	05/22/19 20:11	1
Copper	121		1.3	0.28	mg/Kg	☆	05/21/19 10:20	05/22/19 20:11	1
Iron	300000	B	65.6	23.0	mg/Kg	☆	05/21/19 10:20	05/23/19 13:20	5
Lead	103		6.6	1.6	mg/Kg	☆	05/21/19 10:20	05/23/19 13:20	5
Magnesium	1390		26.2	1.2	mg/Kg	☆	05/21/19 10:20	05/22/19 20:11	1
Manganese	1470	B	1.3	0.21	mg/Kg	☆	05/21/19 10:20	05/23/19 13:20	5
Nickel	376		32.8	1.5	mg/Kg	☆	05/21/19 10:20	05/23/19 13:20	5
Potassium	1340		39.4	26.2	mg/Kg	☆	05/21/19 10:20	05/22/19 20:11	1
Selenium	ND		5.2	0.52	mg/Kg	☆	05/21/19 10:20	05/22/19 20:11	1
Silver	ND		3.9	1.3	mg/Kg	☆	05/21/19 10:20	05/23/19 13:20	5
Sodium	100	J	184	17.1	mg/Kg	☆	05/21/19 10:20	05/22/19 20:11	1
Thallium	ND		7.9	0.39	mg/Kg	☆	05/21/19 10:20	05/22/19 20:11	1
Vanadium	70.4		3.3	0.72	mg/Kg	☆	05/21/19 10:20	05/23/19 13:20	5
Zinc	134		2.6	0.84	mg/Kg	☆	05/21/19 10:20	05/22/19 20:11	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0077	J	0.015	0.0056	mg/L		05/23/19 10:10	05/30/19 14:26	1
Barium	0.70	J	1.0	0.10	mg/L		05/23/19 10:10	05/30/19 14:26	1
Cadmium	0.0022		0.0020	0.00050	mg/L		05/23/19 10:10	05/30/19 14:26	1
Chromium	ND		0.020	0.010	mg/L		05/23/19 10:10	05/30/19 14:26	1
Lead	0.046		0.020	0.0030	mg/L		05/23/19 10:10	05/30/19 14:26	1
Selenium	ND		0.025	0.0087	mg/L		05/23/19 10:10	05/30/19 14:26	1
Silver	ND		0.0060	0.0017	mg/L		05/23/19 10:10	05/30/19 14:26	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-02

Lab Sample ID: 480-153653-2

Date Collected: 05/16/19 09:45

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 75.5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	—	05/23/19 11:37	05/23/19 15:13	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.30		0.027	0.011	mg/Kg	☼	05/21/19 15:23	05/21/19 16:37	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-03 COMP

Lab Sample ID: 480-153653-3

Date Collected: 05/16/19 10:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 65.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	6.2	J vs	7.4	0.54	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
1,1,2,2-Tetrachloroethane	ND	vs	7.4	1.2	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
1,1,2-Trichloroethane	ND	vs	7.4	0.97	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	7.4	1.7	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
1,1-Dichloroethane	2.1	J vs	7.4	0.91	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
1,1-Dichloroethene	ND	vs	7.4	0.91	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
1,2,4-Trichlorobenzene	ND	vs	7.4	0.45	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
1,2-Dibromo-3-Chloropropane	ND	vs	7.4	3.7	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
1,2-Dichlorobenzene	ND	vs	7.4	0.58	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
1,2-Dichloroethane	ND	vs	7.4	0.37	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
1,2-Dichloropropane	ND	vs	7.4	3.7	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
1,3-Dichlorobenzene	ND	vs	7.4	0.38	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
1,4-Dichlorobenzene	ND	vs	7.4	1.0	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
2-Butanone (MEK)	ND	* vs	37	2.7	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
2-Hexanone	ND	vs	37	3.7	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
4-Methyl-2-pentanone (MIBK)	ND	vs	37	2.4	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Acetone	ND	vs	37	6.3	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Benzene	ND	vs	7.4	0.36	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Bromodichloromethane	ND	vs	7.4	0.99	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Bromoform	ND	vs	7.4	3.7	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Bromomethane	ND	vs	7.4	0.67	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Carbon disulfide	ND	vs	7.4	3.7	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Carbon tetrachloride	ND	vs	7.4	0.72	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Chlorobenzene	ND	vs	7.4	0.98	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Dibromochloromethane	ND	vs	7.4	0.95	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Chloroethane	ND	vs	7.4	1.7	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Chloroform	0.49	J vs	7.4	0.46	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Chloromethane	ND	vs	7.4	0.45	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
cis-1,2-Dichloroethene	ND	vs	7.4	0.95	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
cis-1,3-Dichloropropene	ND	vs	7.4	1.1	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Cyclohexane	ND	vs	7.4	1.0	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Dichlorodifluoromethane	ND	vs	7.4	0.61	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Ethylbenzene	ND	vs	7.4	0.51	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
1,2-Dibromoethane	ND	vs	7.4	0.95	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Isopropylbenzene	ND	vs	7.4	1.1	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Methyl acetate	ND	vs	37	4.5	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Methyl tert-butyl ether	ND	vs	7.4	0.73	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Methylcyclohexane	ND	vs	7.4	1.1	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Methylene Chloride	5.6	J vs	7.4	3.4	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Styrene	ND	vs	7.4	0.37	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Tetrachloroethene	ND	vs	7.4	1.0	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Toluene	ND	vs	7.4	0.56	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
trans-1,2-Dichloroethene	ND	vs	7.4	0.77	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
trans-1,3-Dichloropropene	ND	vs	7.4	3.3	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Trichloroethene	ND	vs	7.4	1.6	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Trichlorofluoromethane	ND	vs	7.4	0.70	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Vinyl chloride	ND	vs	7.4	0.91	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1
Xylenes, Total	ND	vs	15	1.2	ug/Kg	☼	05/20/19 10:24	05/20/19 15:18	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-03 COMP

Lab Sample ID: 480-153653-3

Date Collected: 05/16/19 10:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 65.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		71 - 125	05/20/19 10:24	05/20/19 15:18	1
1,2-Dichloroethane-d4 (Surr)	104		64 - 126	05/20/19 10:24	05/20/19 15:18	1
4-Bromofluorobenzene (Surr)	97		72 - 126	05/20/19 10:24	05/20/19 15:18	1
Dibromofluoromethane (Surr)	107		60 - 140	05/20/19 10:24	05/20/19 15:18	1

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/24/19 12:51	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/24/19 12:51	10
Benzene	ND		0.010	0.0041	mg/L			05/24/19 12:51	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/24/19 12:51	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/24/19 12:51	10
Chloroform	ND		0.010	0.0034	mg/L			05/24/19 12:51	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/24/19 12:51	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/24/19 12:51	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/24/19 12:51	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/24/19 12:51	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		05/24/19 12:51	10
4-Bromofluorobenzene (Surr)	86		73 - 120		05/24/19 12:51	10
Toluene-d8 (Surr)	96		80 - 120		05/24/19 12:51	10
Dibromofluoromethane (Surr)	94		75 - 123		05/24/19 12:51	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		260	70	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1
2,4,6-Trichlorophenol	ND		260	51	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1
2,4-Dichlorophenol	ND		260	27	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1
2,4-Dimethylphenol	ND		260	62	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1
2,4-Dinitrophenol	ND		2500	1200	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1
2,4-Dinitrotoluene	ND		260	53	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1
2,6-Dinitrotoluene	ND		260	30	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1
2-Chloronaphthalene	ND		260	42	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1
2-Chlorophenol	ND		260	47	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1
2-Methylnaphthalene	87	J	260	51	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1
2-Methylphenol	ND		260	30	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1
2-Nitroaniline	ND		500	38	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1
2-Nitrophenol	ND		260	73	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1
3,3'-Dichlorobenzidine	ND		500	300	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1
3-Nitroaniline	ND		500	71	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1
4,6-Dinitro-2-methylphenol	ND		500	260	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1
4-Bromophenyl phenyl ether	ND		260	36	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1
4-Chloro-3-methylphenol	ND		260	64	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1
4-Chloroaniline	ND		260	64	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1
4-Chlorophenyl phenyl ether	ND		260	32	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1
Methylphenol, 3 & 4	ND		500	30	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1
4-Nitroaniline	ND		500	130	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1
4-Nitrophenol	ND		500	180	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1
Acenaphthene	130	J	260	38	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1
Acenaphthylene	ND		260	33	ug/Kg	✱	05/21/19 15:13	05/23/19 03:56	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-03 COMP

Lab Sample ID: 480-153653-3

Date Collected: 05/16/19 10:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 65.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		260	35	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Anthracene	300		260	64	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Atrazine	ND		260	89	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Benzaldehyde	ND		260	200	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Benzo[a]anthracene	600		260	26	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Benzo[a]pyrene	540		260	38	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Benzo[b]fluoranthene	690		260	41	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Benzo[g,h,i]perylene	270		260	27	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Benzo[k]fluoranthene	290		260	33	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Biphenyl	ND		260	38	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
bis (2-chloroisopropyl) ether	ND		260	51	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Bis(2-chloroethoxy)methane	ND		260	54	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Bis(2-chloroethyl)ether	ND		260	33	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Bis(2-ethylhexyl) phthalate	ND		260	88	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Butyl benzyl phthalate	ND		260	42	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Caprolactam	ND		260	77	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Carbazole	170	J	260	30	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Chrysene	600		260	58	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Dibenz(a,h)anthracene	ND		260	45	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Dibenzofuran	89	J	260	30	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Diethyl phthalate	ND		260	33	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Dimethyl phthalate	ND		260	30	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Di-n-butyl phthalate	ND		260	44	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Di-n-octyl phthalate	ND		260	30	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Fluoranthene	1400		260	27	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Fluorene	120	J	260	30	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Hexachlorobenzene	ND		260	35	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Hexachlorobutadiene	ND		260	38	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Hexachlorocyclopentadiene	ND		260	35	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Hexachloroethane	ND		260	33	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Indeno[1,2,3-cd]pyrene	270		260	32	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Isophorone	ND		260	54	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Naphthalene	57	J	260	33	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Nitrobenzene	ND		260	29	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
N-Nitrosodi-n-propylamine	ND		260	44	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
N-Nitrosodiphenylamine	ND		260	210	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Pentachlorophenol	ND *		500	260	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Phenanthrene	1200		260	38	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Phenol	ND		260	39	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Pyrene	1100		260	30	ug/Kg	☼	05/21/19 15:13	05/23/19 03:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	98		54 - 120				05/21/19 15:13	05/23/19 03:56	1
2-Fluorobiphenyl	94		60 - 120				05/21/19 15:13	05/23/19 03:56	1
2-Fluorophenol (Surr)	90		52 - 120				05/21/19 15:13	05/23/19 03:56	1
Nitrobenzene-d5 (Surr)	89		53 - 120				05/21/19 15:13	05/23/19 03:56	1
Phenol-d5 (Surr)	88		54 - 120				05/21/19 15:13	05/23/19 03:56	1
p-Terphenyl-d14 (Surr)	100		65 - 121				05/21/19 15:13	05/23/19 03:56	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-03 COMP

Lab Sample ID: 480-153653-3

Date Collected: 05/16/19 10:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 65.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		05/24/19 10:21	05/29/19 01:09	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		05/24/19 10:21	05/29/19 01:09	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		05/24/19 10:21	05/29/19 01:09	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		05/24/19 10:21	05/29/19 01:09	1
2-Methylphenol	ND		0.020	0.0016	mg/L		05/24/19 10:21	05/29/19 01:09	1
3-Methylphenol	ND		0.040	0.0016	mg/L		05/24/19 10:21	05/29/19 01:09	1
4-Methylphenol	ND		0.040	0.0014	mg/L		05/24/19 10:21	05/29/19 01:09	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		05/24/19 10:21	05/29/19 01:09	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		05/24/19 10:21	05/29/19 01:09	1
Hexachloroethane	ND		0.020	0.0023	mg/L		05/24/19 10:21	05/29/19 01:09	1
Nitrobenzene	ND		0.020	0.0011	mg/L		05/24/19 10:21	05/29/19 01:09	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		05/24/19 10:21	05/29/19 01:09	1
Pyridine	ND		0.10	0.0016	mg/L		05/24/19 10:21	05/29/19 01:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	89		41 - 120	05/24/19 10:21	05/29/19 01:09	1
2-Fluorobiphenyl	104		48 - 120	05/24/19 10:21	05/29/19 01:09	1
2-Fluorophenol (Surr)	60		35 - 120	05/24/19 10:21	05/29/19 01:09	1
Nitrobenzene-d5 (Surr)	101		46 - 120	05/24/19 10:21	05/29/19 01:09	1
p-Terphenyl-d14 (Surr)	115		59 - 136	05/24/19 10:21	05/29/19 01:09	1
Phenol-d5 (Surr)	40		22 - 120	05/24/19 10:21	05/29/19 01:09	1

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0020	0.000029	mg/L		05/24/19 10:18	05/28/19 14:02	1
Endrin	ND		0.00020	0.000014	mg/L		05/24/19 10:18	05/28/19 14:02	1
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		05/24/19 10:18	05/28/19 14:02	1
Heptachlor	ND		0.00020	0.0000085	mg/L		05/24/19 10:18	05/28/19 14:02	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		05/24/19 10:18	05/28/19 14:02	1
Methoxychlor	ND		0.00020	0.000014	mg/L		05/24/19 10:18	05/28/19 14:02	1
Toxaphene	ND		0.0020	0.00012	mg/L		05/24/19 10:18	05/28/19 14:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	75		20 - 120	05/24/19 10:18	05/28/19 14:02	1
DCB Decachlorobiphenyl	76		20 - 120	05/24/19 10:18	05/28/19 14:02	1
Tetrachloro-m-xylene	76		44 - 120	05/24/19 10:18	05/28/19 14:02	1
Tetrachloro-m-xylene	62		44 - 120	05/24/19 10:18	05/28/19 14:02	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.31	0.060	mg/Kg	✱	05/21/19 06:35	05/22/19 19:12	1
PCB-1221	ND		0.31	0.060	mg/Kg	✱	05/21/19 06:35	05/22/19 19:12	1
PCB-1232	ND		0.31	0.060	mg/Kg	✱	05/21/19 06:35	05/22/19 19:12	1
PCB-1242	ND		0.31	0.060	mg/Kg	✱	05/21/19 06:35	05/22/19 19:12	1
PCB-1248	ND		0.31	0.060	mg/Kg	✱	05/21/19 06:35	05/22/19 19:12	1
PCB-1254	ND		0.31	0.14	mg/Kg	✱	05/21/19 06:35	05/22/19 19:12	1
PCB-1260	ND		0.31	0.14	mg/Kg	✱	05/21/19 06:35	05/22/19 19:12	1
PCB-1262	ND		0.31	0.14	mg/Kg	✱	05/21/19 06:35	05/22/19 19:12	1
PCB-1268	ND		0.31	0.14	mg/Kg	✱	05/21/19 06:35	05/22/19 19:12	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-03 COMP

Lab Sample ID: 480-153653-3

Date Collected: 05/16/19 10:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 65.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	109		60 - 154	05/21/19 06:35	05/22/19 19:12	1
Tetrachloro-m-xylene	95		60 - 154	05/21/19 06:35	05/22/19 19:12	1
DCB Decachlorobiphenyl	111		65 - 174	05/21/19 06:35	05/22/19 19:12	1
DCB Decachlorobiphenyl	92		65 - 174	05/21/19 06:35	05/22/19 19:12	1

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		05/24/19 10:15	05/29/19 14:10	1
2,4-D	0.0013	J	0.0020	0.00040	mg/L		05/24/19 10:15	05/29/19 14:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	28	X	48 - 132	05/24/19 10:15	05/29/19 14:10	1
2,4-Dichlorophenylacetic acid	32	X	48 - 132	05/24/19 10:15	05/29/19 14:10	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1940		15.1	6.7	mg/Kg	☆	05/21/19 10:20	05/22/19 20:15	1
Antimony	ND		22.7	0.60	mg/Kg	☆	05/21/19 10:20	05/22/19 20:15	1
Arsenic	7.8		3.0	0.60	mg/Kg	☆	05/21/19 10:20	05/22/19 20:15	1
Barium	31.0		0.76	0.17	mg/Kg	☆	05/21/19 10:20	05/22/19 20:15	1
Beryllium	0.20	J	0.30	0.042	mg/Kg	☆	05/21/19 10:20	05/22/19 20:15	1
Cadmium	0.095	J	0.30	0.045	mg/Kg	☆	05/21/19 10:20	05/22/19 20:15	1
Calcium	1010	B	75.6	5.0	mg/Kg	☆	05/21/19 10:20	05/22/19 20:15	1
Chromium	9.2		0.76	0.30	mg/Kg	☆	05/21/19 10:20	05/22/19 20:15	1
Cobalt	2.2		0.76	0.076	mg/Kg	☆	05/21/19 10:20	05/22/19 20:15	1
Copper	23.0		1.5	0.32	mg/Kg	☆	05/21/19 10:20	05/22/19 20:15	1
Iron	12800	B	15.1	5.3	mg/Kg	☆	05/21/19 10:20	05/22/19 20:15	1
Lead	8.8		1.5	0.36	mg/Kg	☆	05/21/19 10:20	05/22/19 20:15	1
Magnesium	245		30.2	1.4	mg/Kg	☆	05/21/19 10:20	05/22/19 20:15	1
Manganese	128	B	0.30	0.048	mg/Kg	☆	05/21/19 10:20	05/22/19 20:15	1
Nickel	19.4		7.6	0.35	mg/Kg	☆	05/21/19 10:20	05/22/19 20:15	1
Potassium	374		45.4	30.2	mg/Kg	☆	05/21/19 10:20	05/22/19 20:15	1
Selenium	ND		6.0	0.60	mg/Kg	☆	05/21/19 10:20	05/22/19 20:15	1
Silver	ND		0.91	0.30	mg/Kg	☆	05/21/19 10:20	05/22/19 20:15	1
Sodium	41.0	J	212	19.7	mg/Kg	☆	05/21/19 10:20	05/22/19 20:15	1
Thallium	ND		9.1	0.45	mg/Kg	☆	05/21/19 10:20	05/22/19 20:15	1
Vanadium	8.1		0.76	0.17	mg/Kg	☆	05/21/19 10:20	05/22/19 20:15	1
Zinc	13.7		3.0	0.97	mg/Kg	☆	05/21/19 10:20	05/22/19 20:15	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/23/19 10:10	05/30/19 14:55	1
Barium	0.22	J	1.0	0.10	mg/L		05/23/19 10:10	05/30/19 14:55	1
Cadmium	0.0018	J	0.0020	0.00050	mg/L		05/23/19 10:10	05/30/19 14:55	1
Chromium	ND		0.020	0.010	mg/L		05/23/19 10:10	05/30/19 14:55	1
Lead	ND		0.020	0.0030	mg/L		05/23/19 10:10	05/30/19 14:55	1
Selenium	ND		0.025	0.0087	mg/L		05/23/19 10:10	05/30/19 14:55	1
Silver	ND		0.0060	0.0017	mg/L		05/23/19 10:10	05/30/19 14:55	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-03 COMP

Lab Sample ID: 480-153653-3

Date Collected: 05/16/19 10:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 65.3

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	—	05/23/19 11:37	05/23/19 15:19	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.15		0.030	0.012	mg/Kg	☼	05/21/19 15:23	05/21/19 16:38	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-04 COMP

Lab Sample ID: 480-153653-4

Date Collected: 05/16/19 10:40

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 80.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	6.1	0.45	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
1,1,2,2-Tetrachloroethane	ND	vs	6.1	0.99	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
1,1,2-Trichloroethane	ND	vs	6.1	0.80	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.1	1.4	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
1,1-Dichloroethane	ND	vs	6.1	0.75	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
1,1-Dichloroethene	ND	vs	6.1	0.75	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
1,2,4-Trichlorobenzene	ND	vs	6.1	0.37	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.1	3.1	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
1,2-Dichlorobenzene	ND	vs	6.1	0.48	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
1,2-Dichloroethane	ND	vs	6.1	0.31	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
1,2-Dichloropropane	ND	vs	6.1	3.1	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
1,3-Dichlorobenzene	ND	vs	6.1	0.32	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
1,4-Dichlorobenzene	ND	vs	6.1	0.86	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
2-Butanone (MEK)	12	J * vs	31	2.2	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
2-Hexanone	ND	vs	31	3.1	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
4-Methyl-2-pentanone (MIBK)	ND	vs	31	2.0	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Acetone	74	vs	31	5.2	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Benzene	ND	vs	6.1	0.30	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Bromodichloromethane	ND	vs	6.1	0.82	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Bromoform	ND	vs	6.1	3.1	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Bromomethane	ND	vs	6.1	0.55	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Carbon disulfide	ND	vs	6.1	3.1	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Carbon tetrachloride	ND	vs	6.1	0.59	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Chlorobenzene	ND	vs	6.1	0.81	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Dibromochloromethane	ND	vs	6.1	0.78	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Chloroethane	ND	vs	6.1	1.4	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Chloroform	ND	vs	6.1	0.38	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Chloromethane	ND	vs	6.1	0.37	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
cis-1,2-Dichloroethene	ND	vs	6.1	0.78	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
cis-1,3-Dichloropropene	ND	vs	6.1	0.88	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Cyclohexane	ND	vs	6.1	0.86	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Dichlorodifluoromethane	ND	vs	6.1	0.51	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Ethylbenzene	ND	vs	6.1	0.42	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
1,2-Dibromoethane	ND	vs	6.1	0.79	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Isopropylbenzene	ND	vs	6.1	0.92	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Methyl acetate	ND	vs	31	3.7	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Methyl tert-butyl ether	ND	vs	6.1	0.60	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Methylcyclohexane	ND	vs	6.1	0.93	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Methylene Chloride	4.0	J vs	6.1	2.8	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Styrene	ND	vs	6.1	0.31	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Tetrachloroethene	ND	vs	6.1	0.82	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Toluene	ND	vs	6.1	0.46	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
trans-1,2-Dichloroethene	ND	vs	6.1	0.63	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
trans-1,3-Dichloropropene	ND	vs	6.1	2.7	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Trichloroethene	ND	vs	6.1	1.3	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Trichlorofluoromethane	ND	vs	6.1	0.58	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Vinyl chloride	ND	vs	6.1	0.75	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1
Xylenes, Total	ND	vs	12	1.0	ug/Kg	☼	05/20/19 10:24	05/20/19 15:43	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-04 COMP

Lab Sample ID: 480-153653-4

Date Collected: 05/16/19 10:40

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 80.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		71 - 125	05/20/19 10:24	05/20/19 15:43	1
1,2-Dichloroethane-d4 (Surr)	105		64 - 126	05/20/19 10:24	05/20/19 15:43	1
4-Bromofluorobenzene (Surr)	98		72 - 126	05/20/19 10:24	05/20/19 15:43	1
Dibromofluoromethane (Surr)	105		60 - 140	05/20/19 10:24	05/20/19 15:43	1

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/24/19 13:15	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/24/19 13:15	10
Benzene	ND		0.010	0.0041	mg/L			05/24/19 13:15	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/24/19 13:15	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/24/19 13:15	10
Chloroform	ND		0.010	0.0034	mg/L			05/24/19 13:15	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/24/19 13:15	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/24/19 13:15	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/24/19 13:15	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/24/19 13:15	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		05/24/19 13:15	10
4-Bromofluorobenzene (Surr)	88		73 - 120		05/24/19 13:15	10
Toluene-d8 (Surr)	91		80 - 120		05/24/19 13:15	10
Dibromofluoromethane (Surr)	94		75 - 123		05/24/19 13:15	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4200	1100	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20
2,4,6-Trichlorophenol	ND		4200	830	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20
2,4-Dichlorophenol	ND		4200	440	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20
2,4-Dimethylphenol	ND		4200	1000	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20
2,4-Dinitrophenol	ND		41000	19000	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20
2,4-Dinitrotoluene	ND		4200	860	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20
2,6-Dinitrotoluene	ND		4200	490	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20
2-Chloronaphthalene	ND		4200	690	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20
2-Chlorophenol	ND		4200	760	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20
2-Methylnaphthalene	ND		4200	830	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20
2-Methylphenol	ND		4200	490	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20
2-Nitroaniline	ND		8100	610	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20
2-Nitrophenol	ND		4200	1200	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20
3,3'-Dichlorobenzidine	ND		8100	4900	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20
3-Nitroaniline	ND		8100	1200	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20
4,6-Dinitro-2-methylphenol	ND		8100	4200	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20
4-Bromophenyl phenyl ether	ND		4200	590	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20
4-Chloro-3-methylphenol	ND		4200	1000	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20
4-Chloroaniline	ND		4200	1000	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20
4-Chlorophenyl phenyl ether	ND		4200	510	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20
Methylphenol, 3 & 4	ND		8100	490	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20
4-Nitroaniline	ND		8100	2200	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20
4-Nitrophenol	ND		8100	2900	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20
Acenaphthene	730	J	4200	610	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20
Acenaphthylene	ND		4200	540	ug/Kg	✱	05/21/19 15:13	05/23/19 04:21	20

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-04 COMP

Lab Sample ID: 480-153653-4

Date Collected: 05/16/19 10:40

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 80.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		4200	560	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Anthracene	2000	J	4200	1000	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Atrazine	ND		4200	1400	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Benzaldehyde	ND		4200	3300	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Benzo[a]anthracene	4800		4200	420	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Benzo[a]pyrene	4600		4200	610	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Benzo[b]fluoranthene	6600		4200	660	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Benzo[g,h,i]perylene	2500	J	4200	440	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Benzo[k]fluoranthene	2700	J	4200	540	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Biphenyl	ND		4200	610	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
bis (2-chloroisopropyl) ether	ND		4200	830	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Bis(2-chloroethoxy)methane	ND		4200	880	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Bis(2-chloroethyl)ether	ND		4200	540	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Bis(2-ethylhexyl) phthalate	ND		4200	1400	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Butyl benzyl phthalate	ND		4200	690	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Caprolactam	ND		4200	1300	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Carbazole	1100	J	4200	490	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Chrysene	5500		4200	930	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Dibenz(a,h)anthracene	ND		4200	740	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Dibenzofuran	510	J	4200	490	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Diethyl phthalate	ND		4200	540	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Dimethyl phthalate	ND		4200	490	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Di-n-butyl phthalate	ND		4200	710	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Di-n-octyl phthalate	ND		4200	490	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Fluoranthene	9500		4200	440	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Fluorene	900	J	4200	490	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Hexachlorobenzene	ND		4200	560	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Hexachlorobutadiene	ND		4200	610	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Hexachlorocyclopentadiene	ND		4200	560	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Hexachloroethane	ND		4200	540	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Indeno[1,2,3-cd]pyrene	2500	J	4200	510	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Isophorone	ND		4200	880	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Naphthalene	ND		4200	540	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Nitrobenzene	ND		4200	470	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
N-Nitrosodi-n-propylamine	ND		4200	710	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
N-Nitrosodiphenylamine	ND		4200	3400	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Pentachlorophenol	ND *		8100	4200	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Phenanthrene	7200		4200	610	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Phenol	ND		4200	640	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Pyrene	8200		4200	490	ug/Kg	☼	05/21/19 15:13	05/23/19 04:21	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	116		54 - 120				05/21/19 15:13	05/23/19 04:21	20
2-Fluorobiphenyl	89		60 - 120				05/21/19 15:13	05/23/19 04:21	20
2-Fluorophenol (Surr)	89		52 - 120				05/21/19 15:13	05/23/19 04:21	20
Nitrobenzene-d5 (Surr)	87		53 - 120				05/21/19 15:13	05/23/19 04:21	20
Phenol-d5 (Surr)	84		54 - 120				05/21/19 15:13	05/23/19 04:21	20
p-Terphenyl-d14 (Surr)	100		65 - 121				05/21/19 15:13	05/23/19 04:21	20

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-04 COMP

Lab Sample ID: 480-153653-4

Date Collected: 05/16/19 10:40

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 80.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		05/24/19 10:21	05/29/19 01:35	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		05/24/19 10:21	05/29/19 01:35	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		05/24/19 10:21	05/29/19 01:35	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		05/24/19 10:21	05/29/19 01:35	1
2-Methylphenol	ND		0.020	0.0016	mg/L		05/24/19 10:21	05/29/19 01:35	1
3-Methylphenol	ND		0.040	0.0016	mg/L		05/24/19 10:21	05/29/19 01:35	1
4-Methylphenol	ND		0.040	0.0014	mg/L		05/24/19 10:21	05/29/19 01:35	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		05/24/19 10:21	05/29/19 01:35	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		05/24/19 10:21	05/29/19 01:35	1
Hexachloroethane	ND		0.020	0.0023	mg/L		05/24/19 10:21	05/29/19 01:35	1
Nitrobenzene	ND		0.020	0.0011	mg/L		05/24/19 10:21	05/29/19 01:35	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		05/24/19 10:21	05/29/19 01:35	1
Pyridine	ND		0.10	0.0016	mg/L		05/24/19 10:21	05/29/19 01:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	91		41 - 120	05/24/19 10:21	05/29/19 01:35	1
2-Fluorobiphenyl	103		48 - 120	05/24/19 10:21	05/29/19 01:35	1
2-Fluorophenol (Surr)	56		35 - 120	05/24/19 10:21	05/29/19 01:35	1
Nitrobenzene-d5 (Surr)	100		46 - 120	05/24/19 10:21	05/29/19 01:35	1
p-Terphenyl-d14 (Surr)	118		59 - 136	05/24/19 10:21	05/29/19 01:35	1
Phenol-d5 (Surr)	38		22 - 120	05/24/19 10:21	05/29/19 01:35	1

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0020	0.000029	mg/L		05/24/19 10:18	05/28/19 14:21	1
Endrin	ND		0.00020	0.000014	mg/L		05/24/19 10:18	05/28/19 14:21	1
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		05/24/19 10:18	05/28/19 14:21	1
Heptachlor	ND		0.00020	0.0000085	mg/L		05/24/19 10:18	05/28/19 14:21	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		05/24/19 10:18	05/28/19 14:21	1
Methoxychlor	ND		0.00020	0.000014	mg/L		05/24/19 10:18	05/28/19 14:21	1
Toxaphene	ND		0.0020	0.00012	mg/L		05/24/19 10:18	05/28/19 14:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	65		20 - 120	05/24/19 10:18	05/28/19 14:21	1
DCB Decachlorobiphenyl	68		20 - 120	05/24/19 10:18	05/28/19 14:21	1
Tetrachloro-m-xylene	76		44 - 120	05/24/19 10:18	05/28/19 14:21	1
Tetrachloro-m-xylene	66		44 - 120	05/24/19 10:18	05/28/19 14:21	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.041	mg/Kg	✱	05/21/19 06:35	05/22/19 19:49	1
PCB-1221	ND		0.21	0.041	mg/Kg	✱	05/21/19 06:35	05/22/19 19:49	1
PCB-1232	ND		0.21	0.041	mg/Kg	✱	05/21/19 06:35	05/22/19 19:49	1
PCB-1242	ND		0.21	0.041	mg/Kg	✱	05/21/19 06:35	05/22/19 19:49	1
PCB-1248	ND		0.21	0.041	mg/Kg	✱	05/21/19 06:35	05/22/19 19:49	1
PCB-1254	0.12	J	0.21	0.099	mg/Kg	✱	05/21/19 06:35	05/22/19 19:49	1
PCB-1260	ND		0.21	0.099	mg/Kg	✱	05/21/19 06:35	05/22/19 19:49	1
PCB-1262	ND		0.21	0.099	mg/Kg	✱	05/21/19 06:35	05/22/19 19:49	1
PCB-1268	ND		0.21	0.099	mg/Kg	✱	05/21/19 06:35	05/22/19 19:49	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-04 COMP

Lab Sample ID: 480-153653-4

Date Collected: 05/16/19 10:40

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 80.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	102		60 - 154	05/21/19 06:35	05/22/19 19:49	1
Tetrachloro-m-xylene	86		60 - 154	05/21/19 06:35	05/22/19 19:49	1
DCB Decachlorobiphenyl	109		65 - 174	05/21/19 06:35	05/22/19 19:49	1
DCB Decachlorobiphenyl	88		65 - 174	05/21/19 06:35	05/22/19 19:49	1

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		05/24/19 10:15	05/29/19 15:10	1
2,4-D	ND		0.0020	0.00040	mg/L		05/24/19 10:15	05/29/19 15:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	27	X	48 - 132	05/24/19 10:15	05/29/19 15:10	1
2,4-Dichlorophenylacetic acid	35	X	48 - 132	05/24/19 10:15	05/29/19 15:10	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12200		12.4	5.4	mg/Kg	☆	05/21/19 10:20	05/22/19 20:19	1
Antimony	6.9	J	37.1	0.99	mg/Kg	☆	05/21/19 10:20	05/23/19 13:24	2
Arsenic	11.5		2.5	0.49	mg/Kg	☆	05/21/19 10:20	05/22/19 20:19	1
Barium	159		0.62	0.14	mg/Kg	☆	05/21/19 10:20	05/22/19 20:19	1
Beryllium	0.72		0.25	0.035	mg/Kg	☆	05/21/19 10:20	05/22/19 20:19	1
Cadmium	2.9		0.49	0.074	mg/Kg	☆	05/21/19 10:20	05/23/19 13:24	2
Calcium	33100	B	61.8	4.1	mg/Kg	☆	05/21/19 10:20	05/22/19 20:19	1
Chromium	166		1.2	0.49	mg/Kg	☆	05/21/19 10:20	05/23/19 13:24	2
Cobalt	12.0		0.62	0.062	mg/Kg	☆	05/21/19 10:20	05/22/19 20:19	1
Copper	162		1.2	0.26	mg/Kg	☆	05/21/19 10:20	05/22/19 20:19	1
Iron	90500	B	24.7	8.7	mg/Kg	☆	05/21/19 10:20	05/23/19 13:24	2
Lead	308		2.5	0.59	mg/Kg	☆	05/21/19 10:20	05/23/19 13:24	2
Magnesium	11300		24.7	1.1	mg/Kg	☆	05/21/19 10:20	05/22/19 20:19	1
Manganese	1080	B	0.49	0.079	mg/Kg	☆	05/21/19 10:20	05/23/19 13:24	2
Nickel	225		12.4	0.57	mg/Kg	☆	05/21/19 10:20	05/23/19 13:24	2
Potassium	2490		37.1	24.7	mg/Kg	☆	05/21/19 10:20	05/22/19 20:19	1
Selenium	ND		4.9	0.49	mg/Kg	☆	05/21/19 10:20	05/22/19 20:19	1
Silver	ND		1.5	0.49	mg/Kg	☆	05/21/19 10:20	05/23/19 13:24	2
Sodium	243		173	16.1	mg/Kg	☆	05/21/19 10:20	05/22/19 20:19	1
Thallium	ND		7.4	0.37	mg/Kg	☆	05/21/19 10:20	05/22/19 20:19	1
Vanadium	34.1		1.2	0.27	mg/Kg	☆	05/21/19 10:20	05/23/19 13:24	2
Zinc	204		2.5	0.79	mg/Kg	☆	05/21/19 10:20	05/22/19 20:19	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/23/19 10:10	05/30/19 14:59	1
Barium	1.7		1.0	0.10	mg/L		05/23/19 10:10	05/30/19 14:59	1
Cadmium	0.042		0.0020	0.00050	mg/L		05/23/19 10:10	05/30/19 14:59	1
Chromium	ND		0.020	0.010	mg/L		05/23/19 10:10	05/30/19 14:59	1
Lead	0.014	J	0.020	0.0030	mg/L		05/23/19 10:10	05/30/19 14:59	1
Selenium	ND		0.025	0.0087	mg/L		05/23/19 10:10	05/30/19 14:59	1
Silver	ND		0.0060	0.0017	mg/L		05/23/19 10:10	05/30/19 14:59	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-04 COMP

Lab Sample ID: 480-153653-4

Date Collected: 05/16/19 10:40

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 80.8

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	—	05/23/19 11:37	05/23/19 15:20	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.14		0.024	0.0098	mg/Kg	☼	05/21/19 15:23	05/21/19 16:42	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-07A

Lab Sample ID: 480-153653-5

Date Collected: 05/16/19 12:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 81.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.9	0.43	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
1,1,2,2-Tetrachloroethane	ND	vs	5.9	0.96	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
1,1,2-Trichloroethane	ND	vs	5.9	0.77	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.9	1.4	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
1,1-Dichloroethane	ND	vs	5.9	0.73	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
1,1-Dichloroethene	ND	vs	5.9	0.73	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
1,2,4-Trichlorobenzene	ND	vs	5.9	0.36	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.9	3.0	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
1,2-Dichlorobenzene	ND	vs	5.9	0.46	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
1,2-Dichloroethane	ND	vs	5.9	0.30	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
1,2-Dichloropropane	ND	vs	5.9	3.0	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
1,3-Dichlorobenzene	ND	vs	5.9	0.31	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
1,4-Dichlorobenzene	ND	vs	5.9	0.83	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
2-Butanone (MEK)	ND	* vs	30	2.2	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
2-Hexanone	ND	vs	30	3.0	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
4-Methyl-2-pentanone (MIBK)	ND	vs	30	1.9	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Acetone	5.4	J vs	30	5.0	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Benzene	ND	vs	5.9	0.29	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Bromodichloromethane	ND	vs	5.9	0.80	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Bromoform	ND	vs	5.9	3.0	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Bromomethane	ND	vs	5.9	0.53	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Carbon disulfide	ND	vs	5.9	3.0	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Carbon tetrachloride	ND	vs	5.9	0.58	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Chlorobenzene	ND	vs	5.9	0.78	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Dibromochloromethane	ND	vs	5.9	0.76	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Chloroethane	ND	vs	5.9	1.3	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Chloroform	0.40	J vs	5.9	0.37	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Chloromethane	ND	vs	5.9	0.36	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
cis-1,2-Dichloroethene	ND	vs	5.9	0.76	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
cis-1,3-Dichloropropene	ND	vs	5.9	0.86	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Cyclohexane	ND	vs	5.9	0.83	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Dichlorodifluoromethane	ND	vs	5.9	0.49	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Ethylbenzene	ND	vs	5.9	0.41	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
1,2-Dibromoethane	ND	vs	5.9	0.76	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Isopropylbenzene	ND	vs	5.9	0.90	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Methyl acetate	ND	vs	30	3.6	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Methyl tert-butyl ether	ND	vs	5.9	0.58	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Methylcyclohexane	ND	vs	5.9	0.90	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Methylene Chloride	4.2	J vs	5.9	2.7	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Styrene	ND	vs	5.9	0.30	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Tetrachloroethene	ND	vs	5.9	0.80	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Toluene	ND	vs	5.9	0.45	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
trans-1,2-Dichloroethene	ND	vs	5.9	0.61	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
trans-1,3-Dichloropropene	ND	vs	5.9	2.6	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Trichloroethene	ND	vs	5.9	1.3	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Trichlorofluoromethane	ND	vs	5.9	0.56	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Vinyl chloride	ND	vs	5.9	0.73	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1
Xylenes, Total	ND	vs	12	1.0	ug/Kg	☼	05/20/19 10:24	05/20/19 16:10	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-07A

Lab Sample ID: 480-153653-5

Date Collected: 05/16/19 12:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 81.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		71 - 125	05/20/19 10:24	05/20/19 16:10	1
1,2-Dichloroethane-d4 (Surr)	98		64 - 126	05/20/19 10:24	05/20/19 16:10	1
4-Bromofluorobenzene (Surr)	94		72 - 126	05/20/19 10:24	05/20/19 16:10	1
Dibromofluoromethane (Surr)	101		60 - 140	05/20/19 10:24	05/20/19 16:10	1

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/24/19 13:39	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/24/19 13:39	10
Benzene	ND		0.010	0.0041	mg/L			05/24/19 13:39	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/24/19 13:39	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/24/19 13:39	10
Chloroform	ND		0.010	0.0034	mg/L			05/24/19 13:39	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/24/19 13:39	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/24/19 13:39	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/24/19 13:39	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/24/19 13:39	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		05/24/19 13:39	10
4-Bromofluorobenzene (Surr)	87		73 - 120		05/24/19 13:39	10
Toluene-d8 (Surr)	93		80 - 120		05/24/19 13:39	10
Dibromofluoromethane (Surr)	94		75 - 123		05/24/19 13:39	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		1000	280	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5
2,4,6-Trichlorophenol	ND		1000	210	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5
2,4-Dichlorophenol	ND		1000	110	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5
2,4-Dimethylphenol	ND		1000	250	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5
2,4-Dinitrophenol	ND		10000	4700	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5
2,4-Dinitrotoluene	ND		1000	210	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5
2,6-Dinitrotoluene	ND		1000	120	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5
2-Chloronaphthalene	ND		1000	170	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5
2-Chlorophenol	ND		1000	190	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5
2-Methylnaphthalene	ND		1000	210	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5
2-Methylphenol	ND		1000	120	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5
2-Nitroaniline	ND		2000	150	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5
2-Nitrophenol	ND		1000	290	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5
3,3'-Dichlorobenzidine	ND		2000	1200	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5
3-Nitroaniline	ND		2000	280	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5
4,6-Dinitro-2-methylphenol	ND		2000	1000	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5
4-Bromophenyl phenyl ether	ND		1000	150	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5
4-Chloro-3-methylphenol	ND		1000	250	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5
4-Chloroaniline	ND		1000	250	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5
4-Chlorophenyl phenyl ether	ND		1000	130	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5
Methylphenol, 3 & 4	ND		2000	120	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5
4-Nitroaniline	ND		2000	540	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5
4-Nitrophenol	ND		2000	720	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5
Acenaphthene	ND		1000	150	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5
Acenaphthylene	1100		1000	130	ug/Kg	✱	05/21/19 15:13	05/23/19 04:45	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-07A

Lab Sample ID: 480-153653-5

Date Collected: 05/16/19 12:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 81.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		1000	140	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Anthracene	450	J	1000	250	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Atrazine	ND		1000	360	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Benzaldehyde	ND		1000	820	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Benzo[a]anthracene	1500		1000	100	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Benzo[a]pyrene	2700		1000	150	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Benzo[b]fluoranthene	3700		1000	160	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Benzo[g,h,i]perylene	1900		1000	110	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Benzo[k]fluoranthene	1400		1000	130	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Biphenyl	ND		1000	150	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
bis (2-chloroisopropyl) ether	ND		1000	210	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Bis(2-chloroethoxy)methane	ND		1000	220	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Bis(2-chloroethyl)ether	ND		1000	130	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Bis(2-ethylhexyl) phthalate	ND		1000	350	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Butyl benzyl phthalate	ND		1000	170	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Caprolactam	ND		1000	310	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Carbazole	ND		1000	120	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Chrysene	1900		1000	230	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Dibenz(a,h)anthracene	ND		1000	180	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Dibenzofuran	ND		1000	120	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Diethyl phthalate	ND		1000	130	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Dimethyl phthalate	ND		1000	120	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Di-n-butyl phthalate	ND		1000	180	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Di-n-octyl phthalate	ND		1000	120	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Fluoranthene	3200		1000	110	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Fluorene	ND		1000	120	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Hexachlorobenzene	ND		1000	140	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Hexachlorobutadiene	ND		1000	150	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Hexachlorocyclopentadiene	ND		1000	140	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Hexachloroethane	ND		1000	130	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Indeno[1,2,3-cd]pyrene	1800		1000	130	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Isophorone	ND		1000	220	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Naphthalene	ND		1000	130	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Nitrobenzene	ND		1000	110	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
N-Nitrosodi-n-propylamine	ND		1000	180	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
N-Nitrosodiphenylamine	ND		1000	830	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Pentachlorophenol	ND *		2000	1000	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Phenanthrene	460	J	1000	150	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Phenol	ND		1000	160	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5
Pyrene	3300		1000	120	ug/Kg	☼	05/21/19 15:13	05/23/19 04:45	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	100		54 - 120	05/21/19 15:13	05/23/19 04:45	5
2-Fluorobiphenyl	97		60 - 120	05/21/19 15:13	05/23/19 04:45	5
2-Fluorophenol (Surr)	86		52 - 120	05/21/19 15:13	05/23/19 04:45	5
Nitrobenzene-d5 (Surr)	95		53 - 120	05/21/19 15:13	05/23/19 04:45	5
Phenol-d5 (Surr)	92		54 - 120	05/21/19 15:13	05/23/19 04:45	5
p-Terphenyl-d14 (Surr)	101		65 - 121	05/21/19 15:13	05/23/19 04:45	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-07A

Lab Sample ID: 480-153653-5

Date Collected: 05/16/19 12:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 81.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		05/24/19 10:21	05/29/19 02:00	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		05/24/19 10:21	05/29/19 02:00	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		05/24/19 10:21	05/29/19 02:00	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		05/24/19 10:21	05/29/19 02:00	1
2-Methylphenol	ND		0.020	0.0016	mg/L		05/24/19 10:21	05/29/19 02:00	1
3-Methylphenol	ND		0.040	0.0016	mg/L		05/24/19 10:21	05/29/19 02:00	1
4-Methylphenol	ND		0.040	0.0014	mg/L		05/24/19 10:21	05/29/19 02:00	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		05/24/19 10:21	05/29/19 02:00	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		05/24/19 10:21	05/29/19 02:00	1
Hexachloroethane	ND		0.020	0.0023	mg/L		05/24/19 10:21	05/29/19 02:00	1
Nitrobenzene	ND		0.020	0.0011	mg/L		05/24/19 10:21	05/29/19 02:00	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		05/24/19 10:21	05/29/19 02:00	1
Pyridine	ND		0.10	0.0016	mg/L		05/24/19 10:21	05/29/19 02:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	90		41 - 120	05/24/19 10:21	05/29/19 02:00	1
2-Fluorobiphenyl	105		48 - 120	05/24/19 10:21	05/29/19 02:00	1
2-Fluorophenol (Surr)	60		35 - 120	05/24/19 10:21	05/29/19 02:00	1
Nitrobenzene-d5 (Surr)	103		46 - 120	05/24/19 10:21	05/29/19 02:00	1
p-Terphenyl-d14 (Surr)	115		59 - 136	05/24/19 10:21	05/29/19 02:00	1
Phenol-d5 (Surr)	40		22 - 120	05/24/19 10:21	05/29/19 02:00	1

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0020	0.000029	mg/L		05/24/19 10:18	05/28/19 14:41	1
Endrin	ND		0.00020	0.000014	mg/L		05/24/19 10:18	05/28/19 14:41	1
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		05/24/19 10:18	05/28/19 14:41	1
Heptachlor	ND		0.00020	0.0000085	mg/L		05/24/19 10:18	05/28/19 14:41	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		05/24/19 10:18	05/28/19 14:41	1
Methoxychlor	ND		0.00020	0.000014	mg/L		05/24/19 10:18	05/28/19 14:41	1
Toxaphene	ND		0.0020	0.00012	mg/L		05/24/19 10:18	05/28/19 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	73		20 - 120	05/24/19 10:18	05/28/19 14:41	1
DCB Decachlorobiphenyl	70		20 - 120	05/24/19 10:18	05/28/19 14:41	1
Tetrachloro-m-xylene	89		44 - 120	05/24/19 10:18	05/28/19 14:41	1
Tetrachloro-m-xylene	77		44 - 120	05/24/19 10:18	05/28/19 14:41	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.048	mg/Kg	☆	05/21/19 06:35	05/22/19 20:02	1
PCB-1221	ND		0.24	0.048	mg/Kg	☆	05/21/19 06:35	05/22/19 20:02	1
PCB-1232	ND		0.24	0.048	mg/Kg	☆	05/21/19 06:35	05/22/19 20:02	1
PCB-1242	ND		0.24	0.048	mg/Kg	☆	05/21/19 06:35	05/22/19 20:02	1
PCB-1248	ND		0.24	0.048	mg/Kg	☆	05/21/19 06:35	05/22/19 20:02	1
PCB-1254	ND		0.24	0.11	mg/Kg	☆	05/21/19 06:35	05/22/19 20:02	1
PCB-1260	ND		0.24	0.11	mg/Kg	☆	05/21/19 06:35	05/22/19 20:02	1
PCB-1262	ND		0.24	0.11	mg/Kg	☆	05/21/19 06:35	05/22/19 20:02	1
PCB-1268	ND		0.24	0.11	mg/Kg	☆	05/21/19 06:35	05/22/19 20:02	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-07A

Lab Sample ID: 480-153653-5

Date Collected: 05/16/19 12:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 81.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	91		60 - 154	05/21/19 06:35	05/22/19 20:02	1
Tetrachloro-m-xylene	76		60 - 154	05/21/19 06:35	05/22/19 20:02	1
DCB Decachlorobiphenyl	79		65 - 174	05/21/19 06:35	05/22/19 20:02	1
DCB Decachlorobiphenyl	69		65 - 174	05/21/19 06:35	05/22/19 20:02	1

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		05/24/19 10:15	05/29/19 15:39	1
2,4-D	ND		0.0020	0.00040	mg/L		05/24/19 10:15	05/29/19 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	33	X	48 - 132	05/24/19 10:15	05/29/19 15:39	1
2,4-Dichlorophenylacetic acid	41	X	48 - 132	05/24/19 10:15	05/29/19 15:39	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4180		12.1	5.3	mg/Kg	☆	05/21/19 10:20	05/22/19 20:23	1
Antimony	0.89	J	18.2	0.48	mg/Kg	☆	05/21/19 10:20	05/22/19 20:23	1
Arsenic	24.6		2.4	0.48	mg/Kg	☆	05/21/19 10:20	05/22/19 20:23	1
Barium	37.5		0.61	0.13	mg/Kg	☆	05/21/19 10:20	05/22/19 20:23	1
Beryllium	0.27		0.24	0.034	mg/Kg	☆	05/21/19 10:20	05/22/19 20:23	1
Cadmium	0.73		0.24	0.036	mg/Kg	☆	05/21/19 10:20	05/22/19 20:23	1
Calcium	19600	B	60.5	4.0	mg/Kg	☆	05/21/19 10:20	05/22/19 20:23	1
Chromium	148		0.61	0.24	mg/Kg	☆	05/21/19 10:20	05/22/19 20:23	1
Cobalt	9.3		0.61	0.061	mg/Kg	☆	05/21/19 10:20	05/22/19 20:23	1
Copper	88.9		1.2	0.25	mg/Kg	☆	05/21/19 10:20	05/22/19 20:23	1
Iron	59900	B	12.1	4.2	mg/Kg	☆	05/21/19 10:20	05/22/19 20:23	1
Lead	40.5		1.2	0.29	mg/Kg	☆	05/21/19 10:20	05/22/19 20:23	1
Magnesium	3220		24.2	1.1	mg/Kg	☆	05/21/19 10:20	05/22/19 20:23	1
Manganese	622	B	0.24	0.039	mg/Kg	☆	05/21/19 10:20	05/22/19 20:23	1
Nickel	299		6.1	0.28	mg/Kg	☆	05/21/19 10:20	05/22/19 20:23	1
Potassium	769		36.3	24.2	mg/Kg	☆	05/21/19 10:20	05/22/19 20:23	1
Selenium	ND		4.8	0.48	mg/Kg	☆	05/21/19 10:20	05/22/19 20:23	1
Silver	ND		0.73	0.24	mg/Kg	☆	05/21/19 10:20	05/22/19 20:23	1
Sodium	125	J	169	15.7	mg/Kg	☆	05/21/19 10:20	05/22/19 20:23	1
Thallium	ND		7.3	0.36	mg/Kg	☆	05/21/19 10:20	05/22/19 20:23	1
Vanadium	14.5		0.61	0.13	mg/Kg	☆	05/21/19 10:20	05/22/19 20:23	1
Zinc	101		2.4	0.77	mg/Kg	☆	05/21/19 10:20	05/22/19 20:23	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0058	J	0.015	0.0056	mg/L		05/23/19 10:10	05/30/19 15:03	1
Barium	0.85	J	1.0	0.10	mg/L		05/23/19 10:10	05/30/19 15:03	1
Cadmium	0.0070		0.0020	0.00050	mg/L		05/23/19 10:10	05/30/19 15:03	1
Chromium	ND		0.020	0.010	mg/L		05/23/19 10:10	05/30/19 15:03	1
Lead	0.011	J	0.020	0.0030	mg/L		05/23/19 10:10	05/30/19 15:03	1
Selenium	ND		0.025	0.0087	mg/L		05/23/19 10:10	05/30/19 15:03	1
Silver	ND		0.0060	0.0017	mg/L		05/23/19 10:10	05/30/19 15:03	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-07A

Lab Sample ID: 480-153653-5

Date Collected: 05/16/19 12:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 81.7

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	—	05/23/19 11:37	05/23/19 15:24	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.058		0.025	0.010	mg/Kg	☼	05/21/19 15:23	05/21/19 16:43	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: SB-03

Lab Sample ID: 480-153653-6

Date Collected: 05/16/19 10:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 69.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	6.9	0.50	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
1,1,2,2-Tetrachloroethane	ND	F1 vs	6.9	1.1	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
1,1,2-Trichloroethane	ND	F1 vs	6.9	0.90	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.9	1.6	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
1,1-Dichloroethane	ND	vs	6.9	0.85	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
1,1-Dichloroethene	ND	vs	6.9	0.85	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
1,2,4-Trichlorobenzene	ND	F2 F1 vs	6.9	0.42	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
1,2-Dibromo-3-Chloropropane	ND	F1 vs	6.9	3.5	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
1,2-Dichlorobenzene	ND	F1 vs	6.9	0.54	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
1,2-Dichloroethane	ND	vs	6.9	0.35	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
1,2-Dichloropropane	ND	vs	6.9	3.5	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
1,3-Dichlorobenzene	ND	F1 vs	6.9	0.36	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
1,4-Dichlorobenzene	ND	F1 vs	6.9	0.97	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
2-Butanone (MEK)	18	J F1 * vs	35	2.5	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
2-Hexanone	ND	vs	35	3.5	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
4-Methyl-2-pentanone (MIBK)	ND	vs	35	2.3	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Acetone	82	F1 vs	35	5.8	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Benzene	0.35	J vs	6.9	0.34	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Bromodichloromethane	ND	F1 vs	6.9	0.93	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Bromoform	ND	F1 vs	6.9	3.5	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Bromomethane	ND	vs	6.9	0.62	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Carbon disulfide	ND	vs	6.9	3.5	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Carbon tetrachloride	ND	F1 vs	6.9	0.67	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Chlorobenzene	ND	F1 vs	6.9	0.92	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Dibromochloromethane	ND	F1 vs	6.9	0.89	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Chloroethane	ND	vs	6.9	1.6	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Chloroform	ND	vs	6.9	0.43	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Chloromethane	ND	vs	6.9	0.42	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
cis-1,2-Dichloroethene	ND	F1 vs	6.9	0.89	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
cis-1,3-Dichloropropene	ND	F1 vs	6.9	1.0	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Cyclohexane	ND	F1 vs	6.9	0.97	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Dichlorodifluoromethane	ND	vs	6.9	0.57	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Ethylbenzene	ND	F1 vs	6.9	0.48	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
1,2-Dibromoethane	ND	F1 vs	6.9	0.89	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Isopropylbenzene	ND	F1 vs	6.9	1.0	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Methyl acetate	ND	vs	35	4.2	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Methyl tert-butyl ether	ND	vs	6.9	0.68	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Methylcyclohexane	ND	F1 vs	6.9	1.1	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Methylene Chloride	3.9	J vs	6.9	3.2	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Styrene	ND	F1 vs	6.9	0.35	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Tetrachloroethene	ND	F1 vs	6.9	0.93	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Toluene	1.0	J F1 vs	6.9	0.52	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
trans-1,2-Dichloroethene	ND	F1 vs	6.9	0.72	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
trans-1,3-Dichloropropene	ND	F1 vs	6.9	3.1	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Trichloroethene	ND	F1 vs	6.9	1.5	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Trichlorofluoromethane	ND	vs	6.9	0.66	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Vinyl chloride	ND	vs	6.9	0.85	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1
Xylenes, Total	ND	F1 vs	14	1.2	ug/Kg	☼	05/20/19 10:24	05/20/19 16:36	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: SB-03

Lab Sample ID: 480-153653-6

Date Collected: 05/16/19 10:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 69.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		71 - 125	05/20/19 10:24	05/20/19 16:36	1
1,2-Dichloroethane-d4 (Surr)	101		64 - 126	05/20/19 10:24	05/20/19 16:36	1
4-Bromofluorobenzene (Surr)	95		72 - 126	05/20/19 10:24	05/20/19 16:36	1
Dibromofluoromethane (Surr)	102		60 - 140	05/20/19 10:24	05/20/19 16:36	1

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/24/19 14:27	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/24/19 14:27	10
Benzene	ND		0.010	0.0041	mg/L			05/24/19 14:27	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/24/19 14:27	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/24/19 14:27	10
Chloroform	ND		0.010	0.0034	mg/L			05/24/19 14:27	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/24/19 14:27	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/24/19 14:27	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/24/19 14:27	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/24/19 14:27	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		05/24/19 14:27	10
4-Bromofluorobenzene (Surr)	84		73 - 120		05/24/19 14:27	10
Toluene-d8 (Surr)	91		80 - 120		05/24/19 14:27	10
Dibromofluoromethane (Surr)	104		75 - 123		05/24/19 14:27	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		1200	330	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5
2,4,6-Trichlorophenol	ND		1200	240	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5
2,4-Dichlorophenol	ND		1200	130	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5
2,4-Dimethylphenol	ND		1200	290	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5
2,4-Dinitrophenol	ND		12000	5600	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5
2,4-Dinitrotoluene	ND		1200	250	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5
2,6-Dinitrotoluene	ND		1200	140	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5
2-Chloronaphthalene	ND		1200	200	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5
2-Chlorophenol	ND		1200	220	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5
2-Methylnaphthalene	ND		1200	240	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5
2-Methylphenol	ND		1200	140	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5
2-Nitroaniline	ND		2300	180	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5
2-Nitrophenol	ND		1200	340	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5
3,3'-Dichlorobenzidine	ND		2300	1400	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5
3-Nitroaniline	ND		2300	330	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5
4,6-Dinitro-2-methylphenol	ND		2300	1200	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5
4-Bromophenyl phenyl ether	ND		1200	170	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5
4-Chloro-3-methylphenol	ND		1200	300	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5
4-Chloroaniline	ND		1200	300	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5
4-Chlorophenyl phenyl ether	ND		1200	150	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5
Methylphenol, 3 & 4	ND		2300	140	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5
4-Nitroaniline	ND		2300	630	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5
4-Nitrophenol	ND		2300	850	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5
Acenaphthene	ND		1200	180	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5
Acenaphthylene	ND		1200	160	ug/Kg	✱	05/21/19 15:13	05/23/19 01:55	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: SB-03

Lab Sample ID: 480-153653-6

Date Collected: 05/16/19 10:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 69.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		1200	160	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Anthracene	ND		1200	300	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Atrazine	ND		1200	420	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Benzaldehyde	ND		1200	960	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Benzo[a]anthracene	ND		1200	120	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Benzo[a]pyrene	ND		1200	180	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Benzo[b]fluoranthene	310	J	1200	190	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Benzo[g,h,i]perylene	270	J	1200	130	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Benzo[k]fluoranthene	ND		1200	160	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Biphenyl	ND		1200	180	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
bis (2-chloroisopropyl) ether	ND		1200	240	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Bis(2-chloroethoxy)methane	ND		1200	260	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Bis(2-chloroethyl)ether	ND		1200	160	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Bis(2-ethylhexyl) phthalate	2000	F1	1200	410	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Butyl benzyl phthalate	ND		1200	200	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Caprolactam	ND		1200	360	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Carbazole	ND		1200	140	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Chrysene	ND	F1	1200	270	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Dibenz(a,h)anthracene	ND		1200	210	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Dibenzofuran	ND		1200	140	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Diethyl phthalate	ND		1200	160	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Dimethyl phthalate	ND		1200	140	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Di-n-butyl phthalate	ND		1200	210	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Di-n-octyl phthalate	ND		1200	140	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Fluoranthene	360	J	1200	130	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Fluorene	ND		1200	140	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Hexachlorobenzene	ND		1200	160	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Hexachlorobutadiene	ND		1200	180	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Hexachlorocyclopentadiene	ND		1200	160	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Hexachloroethane	ND		1200	160	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Indeno[1,2,3-cd]pyrene	200	J	1200	150	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Isophorone	ND		1200	260	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Naphthalene	ND		1200	160	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Nitrobenzene	ND		1200	140	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
N-Nitrosodi-n-propylamine	ND		1200	210	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
N-Nitrosodiphenylamine	ND		1200	980	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Pentachlorophenol	ND	*	2300	1200	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Phenanthrene	240	J	1200	180	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Phenol	ND		1200	180	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5
Pyrene	ND		1200	140	ug/Kg	☼	05/21/19 15:13	05/23/19 01:55	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	98		54 - 120	05/21/19 15:13	05/23/19 01:55	5
2-Fluorobiphenyl	96		60 - 120	05/21/19 15:13	05/23/19 01:55	5
2-Fluorophenol (Surr)	80		52 - 120	05/21/19 15:13	05/23/19 01:55	5
Nitrobenzene-d5 (Surr)	89		53 - 120	05/21/19 15:13	05/23/19 01:55	5
Phenol-d5 (Surr)	78		54 - 120	05/21/19 15:13	05/23/19 01:55	5
p-Terphenyl-d14 (Surr)	110		65 - 121	05/21/19 15:13	05/23/19 01:55	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: SB-03

Lab Sample ID: 480-153653-6

Date Collected: 05/16/19 10:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 69.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		05/24/19 10:21	05/28/19 22:35	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		05/24/19 10:21	05/28/19 22:35	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		05/24/19 10:21	05/28/19 22:35	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		05/24/19 10:21	05/28/19 22:35	1
2-Methylphenol	ND		0.020	0.0016	mg/L		05/24/19 10:21	05/28/19 22:35	1
3-Methylphenol	ND		0.040	0.0016	mg/L		05/24/19 10:21	05/28/19 22:35	1
4-Methylphenol	ND		0.040	0.0014	mg/L		05/24/19 10:21	05/28/19 22:35	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		05/24/19 10:21	05/28/19 22:35	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		05/24/19 10:21	05/28/19 22:35	1
Hexachloroethane	ND		0.020	0.0023	mg/L		05/24/19 10:21	05/28/19 22:35	1
Nitrobenzene	ND		0.020	0.0011	mg/L		05/24/19 10:21	05/28/19 22:35	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		05/24/19 10:21	05/28/19 22:35	1
Pyridine	ND	F1	0.10	0.0016	mg/L		05/24/19 10:21	05/28/19 22:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		41 - 120	05/24/19 10:21	05/28/19 22:35	1
2-Fluorobiphenyl	88		48 - 120	05/24/19 10:21	05/28/19 22:35	1
2-Fluorophenol (Surr)	47		35 - 120	05/24/19 10:21	05/28/19 22:35	1
Nitrobenzene-d5 (Surr)	82		46 - 120	05/24/19 10:21	05/28/19 22:35	1
p-Terphenyl-d14 (Surr)	108		59 - 136	05/24/19 10:21	05/28/19 22:35	1
Phenol-d5 (Surr)	33		22 - 120	05/24/19 10:21	05/28/19 22:35	1

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0020	0.000029	mg/L		05/24/19 10:18	05/28/19 12:24	1
Endrin	ND		0.00020	0.000014	mg/L		05/24/19 10:18	05/28/19 12:24	1
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		05/24/19 10:18	05/28/19 12:24	1
Heptachlor	ND		0.00020	0.0000085	mg/L		05/24/19 10:18	05/28/19 12:24	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		05/24/19 10:18	05/28/19 12:24	1
Methoxychlor	ND		0.00020	0.000014	mg/L		05/24/19 10:18	05/28/19 12:24	1
Toxaphene	ND		0.0020	0.00012	mg/L		05/24/19 10:18	05/28/19 12:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	67		20 - 120	05/24/19 10:18	05/28/19 12:24	1
DCB Decachlorobiphenyl	65		20 - 120	05/24/19 10:18	05/28/19 12:24	1
Tetrachloro-m-xylene	80		44 - 120	05/24/19 10:18	05/28/19 12:24	1
Tetrachloro-m-xylene	65		44 - 120	05/24/19 10:18	05/28/19 12:24	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.33	0.065	mg/Kg	✱	05/21/19 06:35	05/22/19 17:57	1
PCB-1221	ND		0.33	0.065	mg/Kg	✱	05/21/19 06:35	05/22/19 17:57	1
PCB-1232	ND		0.33	0.065	mg/Kg	✱	05/21/19 06:35	05/22/19 17:57	1
PCB-1242	ND		0.33	0.065	mg/Kg	✱	05/21/19 06:35	05/22/19 17:57	1
PCB-1248	ND		0.33	0.065	mg/Kg	✱	05/21/19 06:35	05/22/19 17:57	1
PCB-1254	ND		0.33	0.15	mg/Kg	✱	05/21/19 06:35	05/22/19 17:57	1
PCB-1260	ND		0.33	0.15	mg/Kg	✱	05/21/19 06:35	05/22/19 17:57	1
PCB-1262	ND		0.33	0.15	mg/Kg	✱	05/21/19 06:35	05/22/19 17:57	1
PCB-1268	ND		0.33	0.15	mg/Kg	✱	05/21/19 06:35	05/22/19 17:57	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: SB-03

Lab Sample ID: 480-153653-6

Date Collected: 05/16/19 10:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 69.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	110		60 - 154	05/21/19 06:35	05/22/19 17:57	1
Tetrachloro-m-xylene	86		60 - 154	05/21/19 06:35	05/22/19 17:57	1
DCB Decachlorobiphenyl	109		65 - 174	05/21/19 06:35	05/22/19 17:57	1
DCB Decachlorobiphenyl	92		65 - 174	05/21/19 06:35	05/22/19 17:57	1

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		05/24/19 10:15	05/29/19 11:24	1
2,4-D	ND		0.0020	0.00040	mg/L		05/24/19 10:15	05/29/19 11:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	40	X	48 - 132	05/24/19 10:15	05/29/19 11:24	1
2,4-Dichlorophenylacetic acid	50		48 - 132	05/24/19 10:15	05/29/19 11:24	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	26300		13.9	6.1	mg/Kg	☆	05/21/19 10:20	05/22/19 20:38	1
Antimony	11.0	J F1	104	2.8	mg/Kg	☆	05/21/19 10:20	05/23/19 13:27	5
Arsenic	12.9		2.8	0.55	mg/Kg	☆	05/21/19 10:20	05/22/19 20:38	1
Barium	158	F1	0.69	0.15	mg/Kg	☆	05/21/19 10:20	05/22/19 20:38	1
Beryllium	1.5		0.28	0.039	mg/Kg	☆	05/21/19 10:20	05/22/19 20:38	1
Cadmium	ND		1.4	0.21	mg/Kg	☆	05/21/19 10:20	05/23/19 13:27	5
Calcium	14200	B	69.4	4.6	mg/Kg	☆	05/21/19 10:20	05/22/19 20:38	1
Chromium	260		3.5	1.4	mg/Kg	☆	05/21/19 10:20	05/23/19 13:27	5
Cobalt	24.3		0.69	0.069	mg/Kg	☆	05/21/19 10:20	05/22/19 20:38	1
Copper	65.0		1.4	0.29	mg/Kg	☆	05/21/19 10:20	05/22/19 20:38	1
Iron	165000	B	69.4	24.3	mg/Kg	☆	05/21/19 10:20	05/23/19 13:27	5
Lead	47.5		6.9	1.7	mg/Kg	☆	05/21/19 10:20	05/23/19 13:27	5
Magnesium	5570		27.7	1.3	mg/Kg	☆	05/21/19 10:20	05/22/19 20:38	1
Manganese	1090	B	1.4	0.22	mg/Kg	☆	05/21/19 10:20	05/23/19 13:27	5
Nickel	406		34.7	1.6	mg/Kg	☆	05/21/19 10:20	05/23/19 13:27	5
Potassium	4670	F1	41.6	27.7	mg/Kg	☆	05/21/19 10:20	05/22/19 20:38	1
Selenium	ND		5.5	0.55	mg/Kg	☆	05/21/19 10:20	05/22/19 20:38	1
Silver	ND		4.2	1.4	mg/Kg	☆	05/21/19 10:20	05/23/19 13:27	5
Sodium	673		194	18.0	mg/Kg	☆	05/21/19 10:20	05/22/19 20:38	1
Thallium	ND		8.3	0.42	mg/Kg	☆	05/21/19 10:20	05/22/19 20:38	1
Vanadium	80.5	F1	3.5	0.76	mg/Kg	☆	05/21/19 10:20	05/23/19 13:27	5
Zinc	101		2.8	0.89	mg/Kg	☆	05/21/19 10:20	05/22/19 20:38	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0059	J	0.015	0.0056	mg/L		05/24/19 10:19	05/25/19 18:22	1
Barium	0.49	J	1.0	0.10	mg/L		05/24/19 10:19	05/25/19 18:22	1
Cadmium	0.0011	J	0.0020	0.00050	mg/L		05/24/19 10:19	05/25/19 18:22	1
Chromium	0.011	J	0.020	0.010	mg/L		05/24/19 10:19	05/25/19 18:22	1
Lead	0.0069	J	0.020	0.0030	mg/L		05/24/19 10:19	05/25/19 18:22	1
Selenium	ND		0.025	0.0087	mg/L		05/24/19 10:19	05/25/19 18:22	1
Silver	ND		0.0060	0.0017	mg/L		05/24/19 10:19	05/25/19 18:22	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: SB-03

Lab Sample ID: 480-153653-6

Date Collected: 05/16/19 10:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 69.8

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	—	05/24/19 11:42	05/24/19 15:18	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.040		0.026	0.011	mg/Kg	☼	05/21/19 15:23	05/21/19 16:44	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: FD-051619-01

Lab Sample ID: 480-153653-7

Date Collected: 05/16/19 00:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 81.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.9	0.43	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
1,1,2,2-Tetrachloroethane	ND	vs	5.9	0.96	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
1,1,2-Trichloroethane	ND	vs	5.9	0.77	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.9	1.4	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
1,1-Dichloroethane	ND	vs	5.9	0.72	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
1,1-Dichloroethene	ND	vs	5.9	0.73	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
1,2,4-Trichlorobenzene	ND	vs	5.9	0.36	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.9	3.0	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
1,2-Dichlorobenzene	ND	vs	5.9	0.46	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
1,2-Dichloroethane	ND	vs	5.9	0.30	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
1,2-Dichloropropane	ND	vs	5.9	3.0	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
1,3-Dichlorobenzene	ND	vs	5.9	0.31	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
1,4-Dichlorobenzene	ND	vs	5.9	0.83	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
2-Butanone (MEK)	ND	* vs	30	2.2	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
2-Hexanone	ND	vs	30	3.0	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
4-Methyl-2-pentanone (MIBK)	ND	vs	30	1.9	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Acetone	18	J vs	30	5.0	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Benzene	ND	vs	5.9	0.29	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Bromodichloromethane	ND	vs	5.9	0.80	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Bromoform	ND	vs	5.9	3.0	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Bromomethane	ND	vs	5.9	0.53	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Carbon disulfide	ND	vs	5.9	3.0	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Carbon tetrachloride	ND	vs	5.9	0.57	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Chlorobenzene	ND	vs	5.9	0.78	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Dibromochloromethane	ND	vs	5.9	0.76	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Chloroethane	ND	vs	5.9	1.3	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Chloroform	0.43	J vs	5.9	0.37	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Chloromethane	ND	vs	5.9	0.36	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
cis-1,2-Dichloroethene	ND	vs	5.9	0.76	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
cis-1,3-Dichloropropene	ND	vs	5.9	0.85	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Cyclohexane	ND	vs	5.9	0.83	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Dichlorodifluoromethane	ND	vs	5.9	0.49	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Ethylbenzene	ND	vs	5.9	0.41	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
1,2-Dibromoethane	ND	vs	5.9	0.76	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Isopropylbenzene	ND	vs	5.9	0.89	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Methyl acetate	ND	vs	30	3.6	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Methyl tert-butyl ether	ND	vs	5.9	0.58	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Methylcyclohexane	ND	vs	5.9	0.90	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Methylene Chloride	5.4	J vs	5.9	2.7	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Styrene	ND	vs	5.9	0.30	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Tetrachloroethene	ND	vs	5.9	0.80	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Toluene	ND	vs	5.9	0.45	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
trans-1,2-Dichloroethene	ND	vs	5.9	0.61	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
trans-1,3-Dichloropropene	ND	vs	5.9	2.6	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Trichloroethene	ND	vs	5.9	1.3	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Trichlorofluoromethane	ND	vs	5.9	0.56	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Vinyl chloride	ND	vs	5.9	0.72	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1
Xylenes, Total	ND	vs	12	1.0	ug/Kg	☼	05/20/19 10:24	05/20/19 17:02	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: FD-051619-01

Lab Sample ID: 480-153653-7

Date Collected: 05/16/19 00:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 81.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		71 - 125	05/20/19 10:24	05/20/19 17:02	1
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	05/20/19 10:24	05/20/19 17:02	1
4-Bromofluorobenzene (Surr)	98		72 - 126	05/20/19 10:24	05/20/19 17:02	1
Dibromofluoromethane (Surr)	105		60 - 140	05/20/19 10:24	05/20/19 17:02	1

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/24/19 14:03	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/24/19 14:03	10
Benzene	ND		0.010	0.0041	mg/L			05/24/19 14:03	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/24/19 14:03	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/24/19 14:03	10
Chloroform	ND		0.010	0.0034	mg/L			05/24/19 14:03	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/24/19 14:03	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/24/19 14:03	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/24/19 14:03	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/24/19 14:03	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		05/24/19 14:03	10
4-Bromofluorobenzene (Surr)	89		73 - 120		05/24/19 14:03	10
Toluene-d8 (Surr)	94		80 - 120		05/24/19 14:03	10
Dibromofluoromethane (Surr)	102		75 - 123		05/24/19 14:03	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		2100	560	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10
2,4,6-Trichlorophenol	ND		2100	420	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10
2,4-Dichlorophenol	ND		2100	220	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10
2,4-Dimethylphenol	ND		2100	500	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10
2,4-Dinitrophenol	ND		20000	9600	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10
2,4-Dinitrotoluene	ND		2100	430	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10
2,6-Dinitrotoluene	ND		2100	240	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10
2-Chloronaphthalene	ND		2100	340	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10
2-Chlorophenol	ND		2100	380	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10
2-Methylnaphthalene	ND		2100	420	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10
2-Methylphenol	ND		2100	240	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10
2-Nitroaniline	ND		4000	310	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10
2-Nitrophenol	ND		2100	590	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10
3,3'-Dichlorobenzidine	ND		4000	2400	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10
3-Nitroaniline	ND		4000	580	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10
4,6-Dinitro-2-methylphenol	ND		4000	2100	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10
4-Bromophenyl phenyl ether	ND		2100	290	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10
4-Chloro-3-methylphenol	ND		2100	510	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10
4-Chloroaniline	ND		2100	510	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10
4-Chlorophenyl phenyl ether	ND		2100	260	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10
Methylphenol, 3 & 4	ND		4000	240	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10
4-Nitroaniline	ND		4000	1100	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10
4-Nitrophenol	ND		4000	1500	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10
Acenaphthene	ND		2100	310	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10
Acenaphthylene	550	J	2100	270	ug/Kg	✱	05/21/19 15:13	05/23/19 05:09	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: FD-051619-01

Lab Sample ID: 480-153653-7

Date Collected: 05/16/19 00:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 81.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		2100	280	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Anthracene	ND		2100	510	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Atrazine	ND		2100	720	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Benzaldehyde	ND		2100	1700	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Benzo[a]anthracene	970	J	2100	210	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Benzo[a]pyrene	1200	J	2100	310	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Benzo[b]fluoranthene	1800	J	2100	330	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Benzo[g,h,i]perylene	880	J	2100	220	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Benzo[k]fluoranthene	630	J	2100	270	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Biphenyl	ND		2100	310	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
bis (2-chloroisopropyl) ether	ND		2100	420	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Bis(2-chloroethoxy)methane	ND		2100	440	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Bis(2-chloroethyl)ether	ND		2100	270	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Bis(2-ethylhexyl) phthalate	ND		2100	710	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Butyl benzyl phthalate	ND		2100	340	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Caprolactam	ND		2100	620	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Carbazole	ND		2100	240	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Chrysene	1000	J	2100	470	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Dibenz(a,h)anthracene	ND		2100	370	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Dibenzofuran	ND		2100	240	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Diethyl phthalate	ND		2100	270	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Dimethyl phthalate	ND		2100	240	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Di-n-butyl phthalate	ND		2100	350	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Di-n-octyl phthalate	ND		2100	240	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Fluoranthene	1700	J	2100	220	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Fluorene	ND		2100	240	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Hexachlorobenzene	ND		2100	280	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Hexachlorobutadiene	ND		2100	310	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Hexachlorocyclopentadiene	ND		2100	280	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Hexachloroethane	ND		2100	270	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Indeno[1,2,3-cd]pyrene	910	J	2100	260	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Isophorone	ND		2100	440	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Naphthalene	ND		2100	270	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Nitrobenzene	ND		2100	230	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
N-Nitrosodi-n-propylamine	ND		2100	350	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
N-Nitrosodiphenylamine	ND		2100	1700	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Pentachlorophenol	ND *		4000	2100	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Phenanthrene	340	J	2100	310	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Phenol	ND		2100	320	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10
Pyrene	1900	J	2100	240	ug/Kg	☼	05/21/19 15:13	05/23/19 05:09	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		54 - 120	05/21/19 15:13	05/23/19 05:09	10
2-Fluorobiphenyl	91		60 - 120	05/21/19 15:13	05/23/19 05:09	10
2-Fluorophenol (Surr)	82		52 - 120	05/21/19 15:13	05/23/19 05:09	10
Nitrobenzene-d5 (Surr)	82		53 - 120	05/21/19 15:13	05/23/19 05:09	10
Phenol-d5 (Surr)	78		54 - 120	05/21/19 15:13	05/23/19 05:09	10
p-Terphenyl-d14 (Surr)	105		65 - 121	05/21/19 15:13	05/23/19 05:09	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: FD-051619-01

Lab Sample ID: 480-153653-7

Date Collected: 05/16/19 00:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 81.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		05/24/19 10:21	05/29/19 02:25	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		05/24/19 10:21	05/29/19 02:25	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		05/24/19 10:21	05/29/19 02:25	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		05/24/19 10:21	05/29/19 02:25	1
2-Methylphenol	ND		0.020	0.0016	mg/L		05/24/19 10:21	05/29/19 02:25	1
3-Methylphenol	ND		0.040	0.0016	mg/L		05/24/19 10:21	05/29/19 02:25	1
4-Methylphenol	ND		0.040	0.0014	mg/L		05/24/19 10:21	05/29/19 02:25	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		05/24/19 10:21	05/29/19 02:25	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		05/24/19 10:21	05/29/19 02:25	1
Hexachloroethane	ND		0.020	0.0023	mg/L		05/24/19 10:21	05/29/19 02:25	1
Nitrobenzene	ND		0.020	0.0011	mg/L		05/24/19 10:21	05/29/19 02:25	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		05/24/19 10:21	05/29/19 02:25	1
Pyridine	ND		0.10	0.0016	mg/L		05/24/19 10:21	05/29/19 02:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		41 - 120	05/24/19 10:21	05/29/19 02:25	1
2-Fluorobiphenyl	98		48 - 120	05/24/19 10:21	05/29/19 02:25	1
2-Fluorophenol (Surr)	55		35 - 120	05/24/19 10:21	05/29/19 02:25	1
Nitrobenzene-d5 (Surr)	96		46 - 120	05/24/19 10:21	05/29/19 02:25	1
p-Terphenyl-d14 (Surr)	106		59 - 136	05/24/19 10:21	05/29/19 02:25	1
Phenol-d5 (Surr)	36		22 - 120	05/24/19 10:21	05/29/19 02:25	1

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0020	0.000029	mg/L		05/24/19 10:18	05/28/19 15:01	1
Endrin	ND		0.00020	0.000014	mg/L		05/24/19 10:18	05/28/19 15:01	1
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		05/24/19 10:18	05/28/19 15:01	1
Heptachlor	ND		0.00020	0.0000085	mg/L		05/24/19 10:18	05/28/19 15:01	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		05/24/19 10:18	05/28/19 15:01	1
Methoxychlor	ND		0.00020	0.000014	mg/L		05/24/19 10:18	05/28/19 15:01	1
Toxaphene	ND		0.0020	0.00012	mg/L		05/24/19 10:18	05/28/19 15:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	67		20 - 120	05/24/19 10:18	05/28/19 15:01	1
DCB Decachlorobiphenyl	68		20 - 120	05/24/19 10:18	05/28/19 15:01	1
Tetrachloro-m-xylene	75		44 - 120	05/24/19 10:18	05/28/19 15:01	1
Tetrachloro-m-xylene	66		44 - 120	05/24/19 10:18	05/28/19 15:01	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.046	mg/Kg	✱	05/21/19 06:35	05/22/19 20:14	1
PCB-1221	ND		0.23	0.046	mg/Kg	✱	05/21/19 06:35	05/22/19 20:14	1
PCB-1232	ND		0.23	0.046	mg/Kg	✱	05/21/19 06:35	05/22/19 20:14	1
PCB-1242	ND		0.23	0.046	mg/Kg	✱	05/21/19 06:35	05/22/19 20:14	1
PCB-1248	ND		0.23	0.046	mg/Kg	✱	05/21/19 06:35	05/22/19 20:14	1
PCB-1254	ND		0.23	0.11	mg/Kg	✱	05/21/19 06:35	05/22/19 20:14	1
PCB-1260	ND		0.23	0.11	mg/Kg	✱	05/21/19 06:35	05/22/19 20:14	1
PCB-1262	ND		0.23	0.11	mg/Kg	✱	05/21/19 06:35	05/22/19 20:14	1
PCB-1268	ND		0.23	0.11	mg/Kg	✱	05/21/19 06:35	05/22/19 20:14	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: FD-051619-01

Lab Sample ID: 480-153653-7

Date Collected: 05/16/19 00:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 81.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	113		60 - 154	05/21/19 06:35	05/22/19 20:14	1
Tetrachloro-m-xylene	88		60 - 154	05/21/19 06:35	05/22/19 20:14	1
DCB Decachlorobiphenyl	108		65 - 174	05/21/19 06:35	05/22/19 20:14	1
DCB Decachlorobiphenyl	81		65 - 174	05/21/19 06:35	05/22/19 20:14	1

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		05/24/19 10:15	05/29/19 16:09	1
2,4-D	ND		0.0020	0.00040	mg/L		05/24/19 10:15	05/29/19 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	29	X	48 - 132	05/24/19 10:15	05/29/19 16:09	1
2,4-Dichlorophenylacetic acid	37	X	48 - 132	05/24/19 10:15	05/29/19 16:09	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4540		12.2	5.4	mg/Kg	☆	05/21/19 10:20	05/22/19 20:57	1
Antimony	1.1	J	18.3	0.49	mg/Kg	☆	05/21/19 10:20	05/22/19 20:57	1
Arsenic	18.5		2.4	0.49	mg/Kg	☆	05/21/19 10:20	05/22/19 20:57	1
Barium	89.2		0.61	0.13	mg/Kg	☆	05/21/19 10:20	05/22/19 20:57	1
Beryllium	0.26		0.24	0.034	mg/Kg	☆	05/21/19 10:20	05/22/19 20:57	1
Cadmium	3.1		0.24	0.037	mg/Kg	☆	05/21/19 10:20	05/22/19 20:57	1
Calcium	59600	B	60.9	4.0	mg/Kg	☆	05/21/19 10:20	05/22/19 20:57	1
Chromium	95.4		0.61	0.24	mg/Kg	☆	05/21/19 10:20	05/22/19 20:57	1
Cobalt	9.1		0.61	0.061	mg/Kg	☆	05/21/19 10:20	05/22/19 20:57	1
Copper	95.9		1.2	0.26	mg/Kg	☆	05/21/19 10:20	05/22/19 20:57	1
Iron	64800	^ B	12.2	4.3	mg/Kg	☆	05/21/19 10:20	05/22/19 20:57	1
Lead	58.4		1.2	0.29	mg/Kg	☆	05/21/19 10:20	05/22/19 20:57	1
Magnesium	5590		24.4	1.1	mg/Kg	☆	05/21/19 10:20	05/22/19 20:57	1
Manganese	843	B	0.24	0.039	mg/Kg	☆	05/21/19 10:20	05/22/19 20:57	1
Nickel	248		6.1	0.28	mg/Kg	☆	05/21/19 10:20	05/22/19 20:57	1
Potassium	989		36.5	24.4	mg/Kg	☆	05/21/19 10:20	05/22/19 20:57	1
Selenium	ND		4.9	0.49	mg/Kg	☆	05/21/19 10:20	05/22/19 20:57	1
Silver	0.34	J	0.73	0.24	mg/Kg	☆	05/21/19 10:20	05/22/19 20:57	1
Sodium	661		171	15.8	mg/Kg	☆	05/21/19 10:20	05/22/19 20:57	1
Thallium	ND		7.3	0.37	mg/Kg	☆	05/21/19 10:20	05/22/19 20:57	1
Vanadium	15.1		0.61	0.13	mg/Kg	☆	05/21/19 10:20	05/22/19 20:57	1
Zinc	106		2.4	0.78	mg/Kg	☆	05/21/19 10:20	05/22/19 20:57	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/23/19 10:10	05/30/19 15:07	1
Barium	0.69	J	1.0	0.10	mg/L		05/23/19 10:10	05/30/19 15:07	1
Cadmium	0.0083		0.0020	0.00050	mg/L		05/23/19 10:10	05/30/19 15:07	1
Chromium	ND		0.020	0.010	mg/L		05/23/19 10:10	05/30/19 15:07	1
Lead	ND		0.020	0.0030	mg/L		05/23/19 10:10	05/30/19 15:07	1
Selenium	ND		0.025	0.0087	mg/L		05/23/19 10:10	05/30/19 15:07	1
Silver	ND		0.0060	0.0017	mg/L		05/23/19 10:10	05/30/19 15:07	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: FD-051619-01

Lab Sample ID: 480-153653-7

Date Collected: 05/16/19 00:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 81.3

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	—	05/23/19 11:37	05/23/19 15:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.051		0.024	0.0098	mg/Kg	☼	05/21/19 15:23	05/21/19 16:49	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (71-125)	DCA (64-126)	BFB (72-126)	DBFM (60-140)
480-153653-1	TP-01A	98	103	104	105
480-153653-2	TP-02	98	105	102	106
480-153653-3	TP-03 COMP	101	104	97	107
480-153653-4	TP-04 COMP	100	105	98	105
480-153653-5	TP-07A	104	98	94	101
480-153653-6	SB-03	103	101	95	102
480-153653-6 MS	SB-03	100	95	100	102
480-153653-6 MSD	SB-03	99	99	104	107
480-153653-7	FD-051619-01	101	100	98	105
LCS 480-473698/1-A	Lab Control Sample	97	107	106	102
MB 480-473698/3-A	Method Blank	98	104	102	105

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (80-120)	DCA (77-120)	BFB (73-120)	DBFM (75-123)
LCS 480-474530/5	Lab Control Sample	95	99	93	94
MB 480-474530/7	Method Blank	93	102	83	97

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-153653-1	TP-01A	101	82	89	94
480-153653-2	TP-02	102	87	93	94
480-153653-3	TP-03 COMP	102	86	96	94
480-153653-4	TP-04 COMP	103	88	91	94
480-153653-5	TP-07A	103	87	93	94
480-153653-6	SB-03	109	84	91	104
480-153653-6 MS	SB-03	99	90	96	96
480-153653-6 MSD	SB-03	99	92	98	93
480-153653-7	FD-051619-01	108	89	94	102
LB 480-474111/1-A	Method Blank	97	90	96	97

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

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Surrogate Summary

Client: New York State D.E.C.

Job ID: 480-153653-1

Project/Site: Morgan Materials #915307

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (54-120)	FBP (60-120)	2FP (52-120)	NBZ (53-120)	PHL (54-120)	TPHd14 (65-121)
480-153653-1	TP-01A	132 X	90	47 X	76	71	92
480-153653-2	TP-02	94	92	76	92	79	94
480-153653-3	TP-03 COMP	98	94	90	89	88	100
480-153653-4	TP-04 COMP	116	89	89	87	84	100
480-153653-5	TP-07A	100	97	86	95	92	101
480-153653-6	SB-03	98	96	80	89	78	110
480-153653-6 MS	SB-03	89	95	78	90	83	99
480-153653-6 MSD	SB-03	89	98	82	88	80	108
480-153653-7	FD-051619-01	81	91	82	82	78	105
LCS 480-473984/2-A	Lab Control Sample	101	92	78	91	81	104
MB 480-473984/1-A	Method Blank	85	95	79	92	82	102

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	PHL (22-120)	TPHd14 (59-136)
LCS 480-474584/2-A	Lab Control Sample	96	96	47	85	35	107
MB 480-474584/1-A	Method Blank	76	90	47	82	31	106

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	TPHd14 (59-136)	PHL (22-120)
480-153653-1	TP-01A	85	99	54	97	88	35
480-153653-2	TP-02	86	99	54	96	104	35
480-153653-3	TP-03 COMP	89	104	60	101	115	40
480-153653-4	TP-04 COMP	91	103	56	100	118	38
480-153653-5	TP-07A	90	105	60	103	115	40

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Surrogate Summary

Client: New York State D.E.C.

Job ID: 480-153653-1

Project/Site: Morgan Materials #915307

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	TPHd14 (59-136)	PHL (22-120)
480-153653-6	SB-03	81	88	47	82	108	33
480-153653-6 MS	SB-03	91	92	42	81	99	32
480-153653-6 MSD	SB-03	95	94	47	87	99	35
480-153653-7	FD-051619-01	85	98	55	96	106	36
LB 480-474106/1-F	Method Blank	86	96	50	92	119	34
LB 480-474415/1-E	Method Blank	77	84	44	79	108	30

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

PHL = Phenol-d5 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (20-120)	DCBP2 (20-120)	TCX1 (44-120)	TCX2 (44-120)
LCS 480-474583/2-A	Lab Control Sample	55	53	83	73
MB 480-474583/1-A	Method Blank	61	59	81	70

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (20-120)	DCBP2 (20-120)	TCX1 (44-120)	TCX2 (44-120)
480-153653-1	TP-01A	63	56	85	68
480-153653-2	TP-02	71	70	78	67
480-153653-3	TP-03 COMP	75	76	76	62
480-153653-4	TP-04 COMP	65	68	76	66
480-153653-5	TP-07A	73	70	89	77
480-153653-6	SB-03	67	65	80	65
480-153653-6 MS	SB-03	76	97	65	94
480-153653-6 MSD	SB-03	60	62	85	73
480-153653-7	FD-051619-01	67	68	75	66
LB 480-474106/1-E	Method Blank	78	79	80	66
LB 480-474415/1-D	Method Blank	77	75	79	72

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-153653-1	TP-01A	100	76	89	78
480-153653-2	TP-02	95	76	89	74
480-153653-3	TP-03 COMP	109	95	111	92
480-153653-4	TP-04 COMP	102	86	109	88
480-153653-5	TP-07A	91	76	79	69
480-153653-6	SB-03	110	86	109	92
480-153653-6 MS	SB-03	127	107	132	113
480-153653-6 MSD	SB-03	135	109	136	115
480-153653-7	FD-051619-01	113	88	108	81
LCS 480-473820/2-A	Lab Control Sample	130	104	136	119
MB 480-473820/1-A	Method Blank	110	88	116	93

Surrogate Legend
TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1 (48-132)	DCPAA2 (48-132)
LCS 480-474582/2-A	Lab Control Sample	71	83
MB 480-474582/1-A	Method Blank	66	97

Surrogate Legend
DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1 (48-132)	DCPAA2 (48-132)
480-153653-1	TP-01A	33 X	42 X
480-153653-2	TP-02	39 X	39 X
480-153653-3	TP-03 COMP	28 X	32 X
480-153653-4	TP-04 COMP	27 X	35 X
480-153653-5	TP-07A	33 X	41 X
480-153653-6	SB-03	40 X	50
480-153653-6 MS	SB-03	38 X	41 X
480-153653-6 MSD	SB-03	41 X	48
480-153653-7	FD-051619-01	29 X	37 X
LB 480-474106/1-D	Method Blank	37 X	47 X
LB 480-474415/1-C	Method Blank	36 X	47 X

Surrogate Legend
DCPAA = 2,4-Dichlorophenylacetic acid

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-473698/3-A

Matrix: Solid

Analysis Batch: 473646

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473698

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
2-Hexanone	ND		25	2.5	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Acetone	ND		25	4.2	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Benzene	ND		5.0	0.25	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Bromoform	ND		5.0	2.5	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Bromomethane	ND		5.0	0.45	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Chloroethane	ND		5.0	1.1	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Chloroform	ND		5.0	0.31	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Chloromethane	ND		5.0	0.30	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Cyclohexane	ND		5.0	0.70	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Methyl acetate	ND		25	3.0	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Styrene	ND		5.0	0.25	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Toluene	ND		5.0	0.38	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Trichloroethene	ND		5.0	1.1	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		05/20/19 10:24	05/20/19 12:12	1
Xylenes, Total	ND		10	0.84	ug/Kg		05/20/19 10:24	05/20/19 12:12	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-473698/3-A

Matrix: Solid

Analysis Batch: 473646

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473698

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		71 - 125	05/20/19 10:24	05/20/19 12:12	1
1,2-Dichloroethane-d4 (Surr)	104		64 - 126	05/20/19 10:24	05/20/19 12:12	1
4-Bromofluorobenzene (Surr)	102		72 - 126	05/20/19 10:24	05/20/19 12:12	1
Dibromofluoromethane (Surr)	105		60 - 140	05/20/19 10:24	05/20/19 12:12	1

Lab Sample ID: LCS 480-473698/1-A

Matrix: Solid

Analysis Batch: 473646

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	46.3		ug/Kg		93	77 - 121
1,1,2,2-Tetrachloroethane	50.0	43.0		ug/Kg		86	80 - 120
1,1,2-Trichloroethane	50.0	44.5		ug/Kg		89	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	48.2		ug/Kg		96	60 - 140
1,1-Dichloroethane	50.0	47.1		ug/Kg		94	73 - 126
1,2,4-Trichlorobenzene	50.0	44.2		ug/Kg		88	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	42.7		ug/Kg		85	63 - 124
1,2-Dichlorobenzene	50.0	43.6		ug/Kg		87	75 - 120
1,2-Dichloroethane	50.0	44.1		ug/Kg		88	77 - 122
1,2-Dichloropropane	50.0	45.5		ug/Kg		91	75 - 124
1,3-Dichlorobenzene	50.0	43.7		ug/Kg		87	74 - 120
1,1-Dichloroethene	50.0	46.6		ug/Kg		93	59 - 125
1,4-Dichlorobenzene	50.0	44.1		ug/Kg		88	73 - 120
2-Butanone (MEK)	250	391	*	ug/Kg		156	70 - 134
2-Hexanone	250	226		ug/Kg		90	59 - 130
4-Methyl-2-pentanone (MIBK)	250	224		ug/Kg		90	65 - 133
Acetone	250	217		ug/Kg		87	61 - 137
Benzene	50.0	46.0		ug/Kg		92	79 - 127
Bromodichloromethane	50.0	46.0		ug/Kg		92	80 - 122
Bromoform	50.0	48.9		ug/Kg		98	68 - 126
Bromomethane	50.0	46.6		ug/Kg		93	37 - 149
Carbon disulfide	50.0	45.8		ug/Kg		92	64 - 131
Carbon tetrachloride	50.0	47.2		ug/Kg		94	75 - 135
Chlorobenzene	50.0	45.2		ug/Kg		90	76 - 124
Dibromochloromethane	50.0	46.9		ug/Kg		94	76 - 125
Chloroethane	50.0	46.1		ug/Kg		92	69 - 135
Chloroform	50.0	45.4		ug/Kg		91	80 - 120
Chloromethane	50.0	47.2		ug/Kg		94	63 - 127
cis-1,2-Dichloroethene	50.0	46.1		ug/Kg		92	81 - 120
cis-1,3-Dichloropropene	50.0	45.7		ug/Kg		91	80 - 120
Cyclohexane	50.0	44.1		ug/Kg		88	65 - 120
Dichlorodifluoromethane	50.0	53.8		ug/Kg		108	57 - 142
Ethylbenzene	50.0	45.0		ug/Kg		90	80 - 120
1,2-Dibromoethane	50.0	45.1		ug/Kg		90	78 - 120
Isopropylbenzene	50.0	42.2		ug/Kg		84	72 - 120
Methyl acetate	100	86.3		ug/Kg		86	55 - 136
Methyl tert-butyl ether	50.0	44.2		ug/Kg		88	63 - 125
Methylcyclohexane	50.0	44.6		ug/Kg		89	60 - 140

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-473698/1-A

Matrix: Solid

Analysis Batch: 473646

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	50.0	42.0		ug/Kg		84	61 - 127
Styrene	50.0	44.1		ug/Kg		88	80 - 120
Tetrachloroethene	50.0	47.3		ug/Kg		95	74 - 122
Toluene	50.0	43.5		ug/Kg		87	74 - 128
trans-1,2-Dichloroethene	50.0	46.7		ug/Kg		93	78 - 126
trans-1,3-Dichloropropene	50.0	44.5		ug/Kg		89	73 - 123
Trichloroethene	50.0	47.3		ug/Kg		95	77 - 129
Trichlorofluoromethane	50.0	49.5		ug/Kg		99	65 - 146
Vinyl chloride	50.0	48.3		ug/Kg		97	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	97		71 - 125
1,2-Dichloroethane-d4 (Surr)	107		64 - 126
4-Bromofluorobenzene (Surr)	106		72 - 126
Dibromofluoromethane (Surr)	102		60 - 140

Lab Sample ID: 480-153653-6 MS

Matrix: Solid

Analysis Batch: 473646

Client Sample ID: SB-03

Prep Type: Total/NA

Prep Batch: 473698

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND	vs	70.0	63.2	vs	ug/Kg	☼	90	77 - 121
1,1,2,2-Tetrachloroethane	ND	F1 vs	70.0	51.6	F1 vs	ug/Kg	☼	74	80 - 120
1,1,2-Trichloroethane	ND	F1 vs	70.0	56.0	vs	ug/Kg	☼	80	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	70.0	61.4	vs	ug/Kg	☼	88	60 - 140
1,1-Dichloroethane	ND	vs	70.0	64.0	vs	ug/Kg	☼	91	73 - 126
1,1-Dichloroethene	ND	vs	70.0	61.8	vs	ug/Kg	☼	88	59 - 125
1,2,4-Trichlorobenzene	ND	F2 F1 vs	70.0	28.0	F1 vs	ug/Kg	☼	40	64 - 120
1,2-Dibromo-3-Chloropropane	ND	F1 vs	70.0	38.3	F1 vs	ug/Kg	☼	55	63 - 124
1,2-Dichlorobenzene	ND	F1 vs	70.0	45.7	F1 vs	ug/Kg	☼	65	75 - 120
1,2-Dichloroethane	ND	vs	70.0	57.8	vs	ug/Kg	☼	83	77 - 122
1,2-Dichloropropane	ND	vs	70.0	62.0	vs	ug/Kg	☼	89	75 - 124
1,3-Dichlorobenzene	ND	F1 vs	70.0	46.7	F1 vs	ug/Kg	☼	67	74 - 120
1,4-Dichlorobenzene	ND	F1 vs	70.0	45.9	F1 vs	ug/Kg	☼	66	73 - 120
2-Butanone (MEK)	18	J F1 * vs	350	230	F1 vs	ug/Kg	☼	61	70 - 134
2-Hexanone	ND	vs	350	226	vs	ug/Kg	☼	65	59 - 130
4-Methyl-2-pentanone (MIBK)	ND	vs	350	241	vs	ug/Kg	☼	69	65 - 133
Acetone	82	F1 vs	350	285	F1 vs	ug/Kg	☼	58	61 - 137
Benzene	0.35	J vs	70.0	62.8	vs	ug/Kg	☼	89	79 - 127
Bromodichloromethane	ND	F1 vs	70.0	59.3	vs	ug/Kg	☼	85	80 - 122
Bromoform	ND	F1 vs	70.0	49.4	vs	ug/Kg	☼	71	68 - 126
Bromomethane	ND	vs	70.0	68.4	vs	ug/Kg	☼	98	37 - 149
Carbon disulfide	ND	vs	70.0	58.2	vs	ug/Kg	☼	83	64 - 131
Carbon tetrachloride	ND	F1 vs	70.0	58.7	vs	ug/Kg	☼	84	75 - 135
Chlorobenzene	ND	F1 vs	70.0	55.5	vs	ug/Kg	☼	79	76 - 124
Dibromochloromethane	ND	F1 vs	70.0	55.9	vs	ug/Kg	☼	80	76 - 125
Chloroethane	ND	vs	70.0	66.0	vs	ug/Kg	☼	94	69 - 135
Chloroform	ND	vs	70.0	62.5	vs	ug/Kg	☼	89	80 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-153653-6 MS

Matrix: Solid

Analysis Batch: 473646

Client Sample ID: SB-03

Prep Type: Total/NA

Prep Batch: 473698

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND	vs	70.0	67.7	vs	ug/Kg	✱	97	63 - 127
cis-1,2-Dichloroethene	ND	F1 vs	70.0	61.1	vs	ug/Kg	✱	87	80 - 120
cis-1,3-Dichloropropene	ND	F1 vs	70.0	56.2	vs	ug/Kg	✱	80	80 - 120
Cyclohexane	ND	F1 vs	70.0	52.5	vs	ug/Kg	✱	75	65 - 120
Dichlorodifluoromethane	ND	vs	70.0	76.7	vs	ug/Kg	✱	110	57 - 142
Ethylbenzene	ND	F1 vs	70.0	55.1	F1 vs	ug/Kg	✱	79	80 - 120
1,2-Dibromoethane	ND	F1 vs	70.0	52.5	F1 vs	ug/Kg	✱	75	78 - 120
Isopropylbenzene	ND	F1 vs	70.0	56.0	vs	ug/Kg	✱	80	72 - 120
Methyl acetate	ND	vs	140	112	vs	ug/Kg	✱	80	55 - 136
Methyl tert-butyl ether	ND	vs	70.0	57.4	vs	ug/Kg	✱	82	63 - 125
Methylcyclohexane	ND	F1 vs	70.0	43.5	vs	ug/Kg	✱	62	60 - 140
Methylene Chloride	3.9	J vs	70.0	61.9	vs	ug/Kg	✱	83	61 - 127
Styrene	ND	F1 vs	70.0	49.6	F1 vs	ug/Kg	✱	71	80 - 120
Tetrachloroethene	ND	F1 vs	70.0	55.5	vs	ug/Kg	✱	79	74 - 122
Toluene	1.0	J F1 vs	70.0	57.8	vs	ug/Kg	✱	81	74 - 128
trans-1,2-Dichloroethene	ND	F1 vs	70.0	60.2	vs	ug/Kg	✱	86	78 - 126
trans-1,3-Dichloropropene	ND	F1 vs	70.0	52.1	vs	ug/Kg	✱	74	73 - 123
Trichloroethene	ND	F1 vs	70.0	59.4	vs	ug/Kg	✱	85	77 - 129
Trichlorofluoromethane	ND	vs	70.0	72.0	vs	ug/Kg	✱	103	65 - 146
Vinyl chloride	ND	vs	70.0	67.2	vs	ug/Kg	✱	96	61 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	100		71 - 125
1,2-Dichloroethane-d4 (Surr)	95		64 - 126
4-Bromofluorobenzene (Surr)	100		72 - 126
Dibromofluoromethane (Surr)	102		60 - 140

Lab Sample ID: 480-153653-6 MSD

Matrix: Solid

Analysis Batch: 473646

Client Sample ID: SB-03

Prep Type: Total/NA

Prep Batch: 473698

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,1,1-Trichloroethane	ND	vs	70.4	55.7	vs	ug/Kg	✱	79	77 - 121	13	30
1,1,1,2,2-Tetrachloroethane	ND	F1 vs	70.4	45.9	F1 vs	ug/Kg	✱	65	80 - 120	12	30
1,1,1,2-Trichloroethane	ND	F1 vs	70.4	51.4	F1 vs	ug/Kg	✱	73	78 - 122	9	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	70.4	52.4	vs	ug/Kg	✱	74	60 - 140	16	30
1,1-Dichloroethane	ND	vs	70.4	56.6	vs	ug/Kg	✱	80	73 - 126	12	30
1,1-Dichloroethene	ND	vs	70.4	53.7	vs	ug/Kg	✱	76	59 - 125	14	30
1,2,4-Trichlorobenzene	ND	F2 F1 vs	70.4	19.9	F2 F1 vs	ug/Kg	✱	28	64 - 120	34	30
1,2-Dibromo-3-Chloropropane	ND	F1 vs	70.4	34.6	F1 vs	ug/Kg	✱	49	63 - 124	10	30
1,2-Dichlorobenzene	ND	F1 vs	70.4	36.2	F1 vs	ug/Kg	✱	51	75 - 120	23	30
1,2-Dichloroethane	ND	vs	70.4	54.5	vs	ug/Kg	✱	77	77 - 122	6	30
1,2-Dichloropropane	ND	vs	70.4	57.1	vs	ug/Kg	✱	81	75 - 124	8	30
1,3-Dichlorobenzene	ND	F1 vs	70.4	35.7	F1 vs	ug/Kg	✱	51	74 - 120	27	30
1,4-Dichlorobenzene	ND	F1 vs	70.4	36.2	F1 vs	ug/Kg	✱	51	73 - 120	24	30
2-Butanone (MEK)	18	J F1 * vs	352	228	F1 vs	ug/Kg	✱	60	70 - 134	1	30
2-Hexanone	ND	vs	352	219	vs	ug/Kg	✱	62	59 - 130	3	30
4-Methyl-2-pentanone (MIBK)	ND	vs	352	230	vs	ug/Kg	✱	65	65 - 133	5	30

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-153653-6 MSD

Matrix: Solid

Analysis Batch: 473646

Client Sample ID: SB-03

Prep Type: Total/NA

Prep Batch: 473698

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	82	F1 vs	352	253	F1 vs	ug/Kg	✱	49	61 - 137	12	30
Benzene	0.35	J vs	70.4	56.4	vs	ug/Kg	✱	80	79 - 127	11	30
Bromodichloromethane	ND	F1 vs	70.4	55.3	F1 vs	ug/Kg	✱	79	80 - 122	7	30
Bromoform	ND	F1 vs	70.4	46.0	F1 vs	ug/Kg	✱	65	68 - 126	7	30
Bromomethane	ND	vs	70.4	60.2	vs	ug/Kg	✱	86	37 - 149	13	30
Carbon disulfide	ND	vs	70.4	50.6	vs	ug/Kg	✱	72	64 - 131	14	30
Carbon tetrachloride	ND	F1 vs	70.4	49.4	F1 vs	ug/Kg	✱	70	75 - 135	17	30
Chlorobenzene	ND	F1 vs	70.4	47.7	F1 vs	ug/Kg	✱	68	76 - 124	15	30
Dibromochloromethane	ND	F1 vs	70.4	52.1	F1 vs	ug/Kg	✱	74	76 - 125	7	30
Chloroethane	ND	vs	70.4	57.9	vs	ug/Kg	✱	82	69 - 135	13	30
Chloroform	ND	vs	70.4	56.4	vs	ug/Kg	✱	80	80 - 120	10	30
Chloromethane	ND	vs	70.4	58.8	vs	ug/Kg	✱	84	63 - 127	14	30
cis-1,2-Dichloroethene	ND	F1 vs	70.4	55.2	F1 vs	ug/Kg	✱	78	80 - 120	10	30
cis-1,3-Dichloropropene	ND	F1 vs	70.4	52.2	F1 vs	ug/Kg	✱	74	80 - 120	7	30
Cyclohexane	ND	F1 vs	70.4	43.4	F1 vs	ug/Kg	✱	62	65 - 120	19	30
Dichlorodifluoromethane	ND	vs	70.4	68.4	vs	ug/Kg	✱	97	57 - 142	11	30
Ethylbenzene	ND	F1 vs	70.4	46.3	F1 vs	ug/Kg	✱	66	80 - 120	17	30
1,2-Dibromoethane	ND	F1 vs	70.4	48.0	F1 vs	ug/Kg	✱	68	78 - 120	9	30
Isopropylbenzene	ND	F1 vs	70.4	42.5	F1 vs	ug/Kg	✱	60	72 - 120	27	30
Methyl acetate	ND	vs	141	108	vs	ug/Kg	✱	77	55 - 136	4	30
Methyl tert-butyl ether	ND	vs	70.4	55.0	vs	ug/Kg	✱	78	63 - 125	4	30
Methylcyclohexane	ND	F1 vs	70.4	32.5	F1 vs	ug/Kg	✱	46	60 - 140	29	30
Methylene Chloride	3.9	J vs	70.4	55.1	vs	ug/Kg	✱	73	61 - 127	12	30
Styrene	ND	F1 vs	70.4	42.5	F1 vs	ug/Kg	✱	60	80 - 120	15	30
Tetrachloroethene	ND	F1 vs	70.4	46.1	F1 vs	ug/Kg	✱	66	74 - 122	19	30
Toluene	1.0	J F1 vs	70.4	49.9	F1 vs	ug/Kg	✱	69	74 - 128	15	30
trans-1,2-Dichloroethene	ND	F1 vs	70.4	52.8	F1 vs	ug/Kg	✱	75	78 - 126	13	30
trans-1,3-Dichloropropene	ND	F1 vs	70.4	48.1	F1 vs	ug/Kg	✱	68	73 - 123	8	30
Trichloroethene	ND	F1 vs	70.4	52.4	F1 vs	ug/Kg	✱	74	77 - 129	13	30
Trichlorofluoromethane	ND	vs	70.4	61.5	vs	ug/Kg	✱	87	65 - 146	16	30
Vinyl chloride	ND	vs	70.4	58.6	vs	ug/Kg	✱	83	61 - 133	14	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	99		71 - 125
1,2-Dichloroethane-d4 (Surr)	99		64 - 126
4-Bromofluorobenzene (Surr)	104		72 - 126
Dibromofluoromethane (Surr)	107		60 - 140

Lab Sample ID: MB 480-474530/7

Matrix: Solid

Analysis Batch: 474530

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			05/24/19 11:00	1
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			05/24/19 11:00	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			05/24/19 11:00	1
Benzene	ND		0.0010	0.00041	mg/L			05/24/19 11:00	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			05/24/19 11:00	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-474530/7

Matrix: Solid

Analysis Batch: 474530

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		0.0010	0.00075	mg/L			05/24/19 11:00	1
Chloroform	ND		0.0010	0.00034	mg/L			05/24/19 11:00	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			05/24/19 11:00	1
Trichloroethene	ND		0.0010	0.00046	mg/L			05/24/19 11:00	1
Vinyl chloride	ND		0.0010	0.00090	mg/L			05/24/19 11:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120		05/24/19 11:00	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		05/24/19 11:00	1
4-Bromofluorobenzene (Surr)	83		73 - 120		05/24/19 11:00	1
Dibromofluoromethane (Surr)	97		75 - 123		05/24/19 11:00	1

Lab Sample ID: LCS 480-474530/5

Matrix: Solid

Analysis Batch: 474530

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	0.0250	0.0250		mg/L		100	75 - 120
1,1-Dichloroethene	0.0250	0.0223		mg/L		89	66 - 127
2-Butanone (MEK)	0.125	0.142		mg/L		113	57 - 140
Benzene	0.0250	0.0247		mg/L		99	71 - 124
Carbon tetrachloride	0.0250	0.0221		mg/L		88	72 - 134
Chlorobenzene	0.0250	0.0229		mg/L		92	80 - 120
Chloroform	0.0250	0.0235		mg/L		94	73 - 127
Tetrachloroethene	0.0250	0.0195		mg/L		78	74 - 122
Trichloroethene	0.0250	0.0228		mg/L		91	74 - 123
Vinyl chloride	0.0250	0.0232		mg/L		93	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	95		80 - 120
1,2-Dichloroethane-d4 (Surr)	99		77 - 120
4-Bromofluorobenzene (Surr)	93		73 - 120
Dibromofluoromethane (Surr)	94		75 - 123

Lab Sample ID: LB 480-474111/1-A

Matrix: Solid

Analysis Batch: 474530

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/24/19 11:40	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/24/19 11:40	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/24/19 11:40	10
Benzene	ND		0.010	0.0041	mg/L			05/24/19 11:40	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/24/19 11:40	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/24/19 11:40	10
Chloroform	ND		0.010	0.0034	mg/L			05/24/19 11:40	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/24/19 11:40	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/24/19 11:40	10

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QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB 480-474111/1-A

Matrix: Solid

Analysis Batch: 474530

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.010	0.0090	mg/L			05/24/19 11:40	10

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		05/24/19 11:40	10
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		05/24/19 11:40	10
4-Bromofluorobenzene (Surr)	90		73 - 120		05/24/19 11:40	10
Dibromofluoromethane (Surr)	97		75 - 123		05/24/19 11:40	10

Lab Sample ID: 480-153653-6 MS

Matrix: Solid

Analysis Batch: 474530

Client Sample ID: SB-03

Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	ND		0.250	0.263		mg/L		105	75 - 120
2-Butanone (MEK)	ND		1.25	1.23		mg/L		98	57 - 140
Benzene	ND		0.250	0.269		mg/L		108	71 - 124
Carbon tetrachloride	ND		0.250	0.262		mg/L		105	72 - 134
Chlorobenzene	ND		0.250	0.243		mg/L		97	80 - 120
Chloroform	ND		0.250	0.254		mg/L		102	73 - 127
Tetrachloroethene	ND		0.250	0.228		mg/L		91	74 - 122
Trichloroethene	ND		0.250	0.267		mg/L		107	74 - 123
Vinyl chloride	ND		0.250	0.259		mg/L		104	65 - 133
1,1-Dichloroethene	ND		0.250	0.271		mg/L		108	66 - 127

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		77 - 120
4-Bromofluorobenzene (Surr)	90		73 - 120
Toluene-d8 (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	96		75 - 123

Lab Sample ID: 480-153653-6 MSD

Matrix: Solid

Analysis Batch: 474530

Client Sample ID: SB-03

Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloroethane	ND		0.250	0.257		mg/L		103	75 - 120	2	20
2-Butanone (MEK)	ND		1.25	1.21		mg/L		97	57 - 140	1	20
Benzene	ND		0.250	0.259		mg/L		104	71 - 124	4	13
Carbon tetrachloride	ND		0.250	0.242		mg/L		97	72 - 134	8	15
Chlorobenzene	ND		0.250	0.244		mg/L		97	80 - 120	0	25
Chloroform	ND		0.250	0.245		mg/L		98	73 - 127	4	20
Tetrachloroethene	ND		0.250	0.227		mg/L		91	74 - 122	0	20
Trichloroethene	ND		0.250	0.259		mg/L		103	74 - 123	3	16
Vinyl chloride	ND		0.250	0.260		mg/L		104	65 - 133	0	15
1,1-Dichloroethene	ND		0.250	0.255		mg/L		102	66 - 127	6	16

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		77 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-153653-6 MSD

Matrix: Solid

Analysis Batch: 474530

Client Sample ID: SB-03

Prep Type: TCLP

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	93		75 - 123

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-473984/1-A

Matrix: Solid

Analysis Batch: 474234

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473984

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		170	45	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2,4,6-Trichlorophenol	ND		170	34	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2,4-Dimethylphenol	ND		170	40	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2,4-Dinitrophenol	ND		1600	770	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2,4-Dinitrotoluene	ND		170	35	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2-Chloronaphthalene	ND		170	28	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2-Chlorophenol	ND		170	31	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2-Methylnaphthalene	ND		170	34	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2-Methylphenol	ND		170	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2-Nitroaniline	ND		330	25	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
2-Nitrophenol	ND		170	47	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
3,3'-Dichlorobenzidine	ND		330	200	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
3-Nitroaniline	ND		330	46	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
4,6-Dinitro-2-methylphenol	ND		330	170	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
4-Bromophenyl phenyl ether	ND		170	24	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
4-Chloro-3-methylphenol	ND		170	41	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
4-Chloroaniline	ND		170	41	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Methylphenol, 3 & 4	ND		330	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
4-Nitroaniline	ND		330	88	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
4-Nitrophenol	ND		330	120	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Acenaphthene	ND		170	25	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Acenaphthylene	ND		170	22	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Acetophenone	ND		170	23	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Anthracene	ND		170	41	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Atrazine	ND		170	58	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Benzaldehyde	ND		170	130	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Benzo[a]anthracene	ND		170	17	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Benzo[a]pyrene	ND		170	25	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Benzo[b]fluoranthene	ND		170	27	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Biphenyl	ND		170	25	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
bis (2-chloroisopropyl) ether	ND		170	34	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Bis(2-chloroethoxy)methane	ND		170	36	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Bis(2-chloroethyl)ether	ND		170	22	ug/Kg		05/21/19 15:13	05/23/19 00:18	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-473984/1-A

Matrix: Solid

Analysis Batch: 474234

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473984

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		170	57	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Butyl benzyl phthalate	ND		170	28	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Caprolactam	ND		170	50	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Carbazole	ND		170	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Chrysene	ND		170	37	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Dibenz(a,h)anthracene	ND		170	30	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Dibenzofuran	ND		170	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Diethyl phthalate	ND		170	22	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Dimethyl phthalate	ND		170	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Di-n-butyl phthalate	ND		170	29	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Fluoranthene	ND		170	18	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Fluorene	ND		170	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Hexachlorobenzene	ND		170	23	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Hexachlorobutadiene	ND		170	25	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Hexachlorocyclopentadiene	ND		170	23	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Hexachloroethane	ND		170	22	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Isophorone	ND		170	36	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Naphthalene	ND		170	22	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Nitrobenzene	ND		170	19	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
N-Nitrosodi-n-propylamine	ND		170	29	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
N-Nitrosodiphenylamine	ND		170	140	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Pentachlorophenol	ND		330	170	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Phenanthrene	ND		170	25	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Phenol	ND		170	26	ug/Kg		05/21/19 15:13	05/23/19 00:18	1
Pyrene	ND		170	20	ug/Kg		05/21/19 15:13	05/23/19 00:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		54 - 120	05/21/19 15:13	05/23/19 00:18	1
2-Fluorobiphenyl	95		60 - 120	05/21/19 15:13	05/23/19 00:18	1
2-Fluorophenol (Surr)	79		52 - 120	05/21/19 15:13	05/23/19 00:18	1
Nitrobenzene-d5 (Surr)	92		53 - 120	05/21/19 15:13	05/23/19 00:18	1
Phenol-d5 (Surr)	82		54 - 120	05/21/19 15:13	05/23/19 00:18	1
p-Terphenyl-d14 (Surr)	102		65 - 121	05/21/19 15:13	05/23/19 00:18	1

Lab Sample ID: LCS 480-473984/2-A

Matrix: Solid

Analysis Batch: 474234

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473984

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	1650	1620		ug/Kg		98	59 - 126
2,4,6-Trichlorophenol	1650	1660		ug/Kg		101	59 - 123
2,4-Dichlorophenol	1650	1560		ug/Kg		95	61 - 120
2,4-Dimethylphenol	1650	1620		ug/Kg		98	59 - 120
2,4-Dinitrophenol	3290	2720		ug/Kg		83	41 - 146
2,4-Dinitrotoluene	1650	1690		ug/Kg		103	63 - 120
2,6-Dinitrotoluene	1650	1720		ug/Kg		105	66 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-473984/2-A

Matrix: Solid

Analysis Batch: 474234

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473984

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	1650	1560		ug/Kg		95	57 - 120
2-Chlorophenol	1650	1360		ug/Kg		83	53 - 120
2-Methylnaphthalene	1650	1550		ug/Kg		94	59 - 120
2-Methylphenol	1650	1380		ug/Kg		84	54 - 120
2-Nitroaniline	1650	1780		ug/Kg		108	61 - 120
2-Nitrophenol	1650	1400		ug/Kg		85	56 - 120
3,3'-Dichlorobenzidine	3290	3080		ug/Kg		94	54 - 120
3-Nitroaniline	1650	1450		ug/Kg		88	48 - 120
4,6-Dinitro-2-methylphenol	3290	3610		ug/Kg		110	49 - 122
4-Bromophenyl phenyl ether	1650	1670		ug/Kg		101	58 - 120
4-Chloro-3-methylphenol	1650	1670		ug/Kg		102	61 - 120
4-Chloroaniline	1650	1390		ug/Kg		85	38 - 120
4-Chlorophenyl phenyl ether	1650	1650		ug/Kg		100	63 - 124
Methylphenol, 3 & 4	1650	1440		ug/Kg		88	55 - 120
4-Nitroaniline	1650	1710		ug/Kg		104	56 - 120
4-Nitrophenol	3290	3680		ug/Kg		112	43 - 147
Acenaphthene	1650	1580		ug/Kg		96	62 - 120
Acenaphthylene	1650	1660		ug/Kg		101	58 - 121
Acetophenone	1650	1470		ug/Kg		89	54 - 120
Anthracene	1650	1740		ug/Kg		106	62 - 120
Atrazine	3290	3680		ug/Kg		112	60 - 127
Benzaldehyde	3290	2530		ug/Kg		77	10 - 150
Benzo[a]anthracene	1650	1690		ug/Kg		103	65 - 120
Benzo[a]pyrene	1650	1630		ug/Kg		99	64 - 120
Benzo[b]fluoranthene	1650	1850		ug/Kg		112	64 - 120
Benzo[g,h,i]perylene	1650	1700		ug/Kg		104	45 - 145
Benzo[k]fluoranthene	1650	1680		ug/Kg		102	65 - 120
Biphenyl	1650	1570		ug/Kg		96	59 - 120
bis (2-chloroisopropyl) ether	1650	1350		ug/Kg		82	44 - 120
Bis(2-chloroethoxy)methane	1650	1500		ug/Kg		91	55 - 120
Bis(2-chloroethyl)ether	1650	1370		ug/Kg		83	45 - 120
Bis(2-ethylhexyl) phthalate	1650	1900		ug/Kg		116	61 - 133
Butyl benzyl phthalate	1650	1820		ug/Kg		110	61 - 129
Caprolactam	3290	3160		ug/Kg		96	47 - 120
Carbazole	1650	1810		ug/Kg		110	65 - 120
Chrysene	1650	1720		ug/Kg		105	64 - 120
Dibenz(a,h)anthracene	1650	1750		ug/Kg		107	54 - 132
Dibenzofuran	1650	1650		ug/Kg		100	63 - 120
Diethyl phthalate	1650	1860		ug/Kg		113	66 - 120
Dimethyl phthalate	1650	1730		ug/Kg		105	65 - 124
Di-n-butyl phthalate	1650	1990		ug/Kg		121	58 - 130
Di-n-octyl phthalate	1650	1910		ug/Kg		116	57 - 133
Fluoranthene	1650	1830		ug/Kg		111	62 - 120
Fluorene	1650	1640		ug/Kg		100	63 - 120
Hexachlorobenzene	1650	1740		ug/Kg		106	60 - 120
Hexachlorobutadiene	1650	1480		ug/Kg		90	45 - 120
Hexachlorocyclopentadiene	1650	1590		ug/Kg		97	47 - 120
Hexachloroethane	1650	1330		ug/Kg		81	41 - 120
Indeno[1,2,3-cd]pyrene	1650	1740		ug/Kg		106	56 - 134

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-473984/2-A

Matrix: Solid

Analysis Batch: 474234

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473984

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isophorone	1650	1560		ug/Kg		95	56 - 120
Naphthalene	1650	1480		ug/Kg		90	55 - 120
Nitrobenzene	1650	1570		ug/Kg		95	54 - 120
N-Nitrosodi-n-propylamine	1650	1560		ug/Kg		95	52 - 120
N-Nitrosodiphenylamine	1650	1760		ug/Kg		107	51 - 128
Pentachlorophenol	3290	4530	*	ug/Kg		138	51 - 120
Phenanthrene	1650	1760		ug/Kg		107	60 - 120
Phenol	1650	1400		ug/Kg		85	53 - 120
Pyrene	1650	1800		ug/Kg		109	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	101		54 - 120
2-Fluorobiphenyl	92		60 - 120
2-Fluorophenol (Surr)	78		52 - 120
Nitrobenzene-d5 (Surr)	91		53 - 120
Phenol-d5 (Surr)	81		54 - 120
p-Terphenyl-d14 (Surr)	104		65 - 121

Lab Sample ID: 480-153653-6 MS

Matrix: Solid

Analysis Batch: 474234

Client Sample ID: SB-03

Prep Type: Total/NA

Prep Batch: 473984

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	ND		2340	2070		ug/Kg	✱	89	46 - 120
2,4,6-Trichlorophenol	ND		2340	2130		ug/Kg	✱	91	41 - 123
2,4-Dichlorophenol	ND		2340	2120		ug/Kg	✱	91	45 - 120
2,4-Dimethylphenol	ND		2340	2270		ug/Kg	✱	97	52 - 120
2,4-Dinitrophenol	ND		4670	ND		ug/Kg	✱	NC	41 - 146
2,4-Dinitrotoluene	ND		2340	2460		ug/Kg	✱	105	63 - 125
2,6-Dinitrotoluene	ND		2340	2340		ug/Kg	✱	100	66 - 120
2-Chloronaphthalene	ND		2340	2190		ug/Kg	✱	94	57 - 120
2-Chlorophenol	ND		2340	1830		ug/Kg	✱	79	43 - 120
2-Methylnaphthalene	ND		2340	2250		ug/Kg	✱	96	55 - 120
2-Methylphenol	ND		2340	1840		ug/Kg	✱	79	48 - 120
2-Nitroaniline	ND		2340	2470		ug/Kg	✱	106	61 - 120
2-Nitrophenol	ND		2340	1890		ug/Kg	✱	81	37 - 120
3,3'-Dichlorobenzidine	ND		4670	4120		ug/Kg	✱	88	37 - 126
3-Nitroaniline	ND		2340	2090	J	ug/Kg	✱	89	48 - 120
4,6-Dinitro-2-methylphenol	ND		4670	4470		ug/Kg	✱	96	23 - 149
4-Bromophenyl phenyl ether	ND		2340	2160		ug/Kg	✱	93	58 - 120
4-Chloro-3-methylphenol	ND		2340	2260		ug/Kg	✱	97	49 - 125
4-Chloroaniline	ND		2340	1770		ug/Kg	✱	76	38 - 120
4-Chlorophenyl phenyl ether	ND		2340	2430		ug/Kg	✱	104	63 - 124
Methylphenol, 3 & 4	ND		2340	1920	J	ug/Kg	✱	82	50 - 120
4-Nitroaniline	ND		2340	2080	J	ug/Kg	✱	89	47 - 120
4-Nitrophenol	ND		4670	4890		ug/Kg	✱	105	31 - 147
Acenaphthene	ND		2340	2330		ug/Kg	✱	100	60 - 120
Acenaphthylene	ND		2340	2290		ug/Kg	✱	98	58 - 121

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-153653-6 MS

Matrix: Solid

Analysis Batch: 474234

Client Sample ID: SB-03

Prep Type: Total/NA

Prep Batch: 473984

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetophenone	ND		2340	2100		ug/Kg	✱	90	47 - 120
Anthracene	ND		2340	2380		ug/Kg	✱	102	62 - 120
Atrazine	ND		4670	4990		ug/Kg	✱	107	60 - 150
Benzaldehyde	ND		4670	3360		ug/Kg	✱	72	10 - 150
Benzo[a]anthracene	ND		2340	2450		ug/Kg	✱	105	65 - 120
Benzo[a]pyrene	ND		2340	2370		ug/Kg	✱	101	64 - 120
Benzo[b]fluoranthene	310 J		2340	2470		ug/Kg	✱	92	64 - 120
Benzo[g,h,i]perylene	270 J		2340	2560		ug/Kg	✱	98	45 - 145
Benzo[k]fluoranthene	ND		2340	2760		ug/Kg	✱	118	65 - 120
Biphenyl	ND		2340	2240		ug/Kg	✱	96	58 - 120
bis (2-chloroisopropyl) ether	ND		2340	1830		ug/Kg	✱	78	31 - 120
Bis(2-chloroethoxy)methane	ND		2340	2130		ug/Kg	✱	91	52 - 120
Bis(2-chloroethyl)ether	ND		2340	1840		ug/Kg	✱	79	45 - 120
Bis(2-ethylhexyl) phthalate	2000 F1		2340	3230 F1		ug/Kg	✱	51	61 - 133
Butyl benzyl phthalate	ND		2340	2480		ug/Kg	✱	106	61 - 120
Caprolactam	ND		4670	4140		ug/Kg	✱	89	37 - 133
Carbazole	ND		2340	2490		ug/Kg	✱	106	59 - 120
Chrysene	ND F1		2340	2640		ug/Kg	✱	113	64 - 120
Dibenz(a,h)anthracene	ND		2340	2430		ug/Kg	✱	104	54 - 132
Dibenzofuran	ND		2340	2340		ug/Kg	✱	100	62 - 120
Diethyl phthalate	ND		2340	2460		ug/Kg	✱	105	66 - 120
Dimethyl phthalate	ND		2340	2390		ug/Kg	✱	102	65 - 124
Di-n-butyl phthalate	ND		2340	2660		ug/Kg	✱	114	58 - 130
Di-n-octyl phthalate	ND		2340	2590		ug/Kg	✱	111	57 - 133
Fluoranthene	360 J		2340	2920		ug/Kg	✱	110	62 - 120
Fluorene	ND		2340	2300		ug/Kg	✱	99	63 - 120
Hexachlorobenzene	ND		2340	2360		ug/Kg	✱	101	60 - 120
Hexachlorobutadiene	ND		2340	2170		ug/Kg	✱	93	45 - 120
Hexachlorocyclopentadiene	ND		2340	1810		ug/Kg	✱	77	31 - 120
Hexachloroethane	ND		2340	1920		ug/Kg	✱	82	21 - 120
Indeno[1,2,3-cd]pyrene	200 J		2340	2500		ug/Kg	✱	98	56 - 134
Isophorone	ND		2340	2250		ug/Kg	✱	96	56 - 120
Naphthalene	ND		2340	2160		ug/Kg	✱	93	46 - 120
Nitrobenzene	ND		2340	2170		ug/Kg	✱	93	49 - 120
N-Nitrosodi-n-propylamine	ND		2340	2120		ug/Kg	✱	91	46 - 120
N-Nitrosodiphenylamine	ND		2340	2320		ug/Kg	✱	99	20 - 128
Pentachlorophenol	ND *		4670	4900		ug/Kg	✱	105	25 - 136
Phenanthrene	240 J		2340	2730		ug/Kg	✱	107	60 - 122
Phenol	ND		2340	1830		ug/Kg	✱	78	50 - 120
Pyrene	ND		2340	2820		ug/Kg	✱	121	61 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	89		54 - 120
2-Fluorobiphenyl	95		60 - 120
2-Fluorophenol (Surr)	78		52 - 120
Nitrobenzene-d5 (Surr)	90		53 - 120
Phenol-d5 (Surr)	83		54 - 120
p-Terphenyl-d14 (Surr)	99		65 - 121

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-153653-6 MSD

Matrix: Solid

Analysis Batch: 474234

Client Sample ID: SB-03

Prep Type: Total/NA

Prep Batch: 473984

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	ND		2330	2140		ug/Kg	✱	92	46 - 120	3	18
2,4,6-Trichlorophenol	ND		2330	2320		ug/Kg	✱	100	41 - 123	9	19
2,4-Dichlorophenol	ND		2330	2060		ug/Kg	✱	89	45 - 120	3	19
2,4-Dimethylphenol	ND		2330	2330		ug/Kg	✱	100	52 - 120	3	42
2,4-Dinitrophenol	ND		4660	ND		ug/Kg	✱	NC	41 - 146	NC	22
2,4-Dinitrotoluene	ND		2330	2460		ug/Kg	✱	106	63 - 125	0	20
2,6-Dinitrotoluene	ND		2330	2510		ug/Kg	✱	108	66 - 120	7	15
2-Chloronaphthalene	ND		2330	2130		ug/Kg	✱	91	57 - 120	3	21
2-Chlorophenol	ND		2330	2080		ug/Kg	✱	89	43 - 120	12	25
2-Methylnaphthalene	ND		2330	2150		ug/Kg	✱	92	55 - 120	4	21
2-Methylphenol	ND		2330	2110		ug/Kg	✱	91	48 - 120	13	27
2-Nitroaniline	ND		2330	2500		ug/Kg	✱	108	61 - 120	1	15
2-Nitrophenol	ND		2330	2040		ug/Kg	✱	88	37 - 120	8	18
3,3'-Dichlorobenzidine	ND		4660	4410		ug/Kg	✱	95	37 - 126	7	25
3-Nitroaniline	ND		2330	2010	J	ug/Kg	✱	86	48 - 120	4	19
4,6-Dinitro-2-methylphenol	ND		4660	4120		ug/Kg	✱	88	23 - 149	8	15
4-Bromophenyl phenyl ether	ND		2330	2260		ug/Kg	✱	97	58 - 120	4	15
4-Chloro-3-methylphenol	ND		2330	2280		ug/Kg	✱	98	49 - 125	1	27
4-Chloroaniline	ND		2330	1720		ug/Kg	✱	74	38 - 120	3	22
4-Chlorophenyl phenyl ether	ND		2330	2430		ug/Kg	✱	104	63 - 124	0	16
Methylphenol, 3 & 4	ND		2330	2220	J	ug/Kg	✱	95	50 - 120	14	24
4-Nitroaniline	ND		2330	2280	J	ug/Kg	✱	98	47 - 120	9	24
4-Nitrophenol	ND		4660	5160		ug/Kg	✱	111	31 - 147	5	25
Acenaphthene	ND		2330	2460		ug/Kg	✱	106	60 - 120	5	35
Acenaphthylene	ND		2330	2490		ug/Kg	✱	107	58 - 121	8	18
Acetophenone	ND		2330	2250		ug/Kg	✱	97	47 - 120	7	20
Anthracene	ND		2330	2440		ug/Kg	✱	105	62 - 120	2	15
Atrazine	ND		4660	5030		ug/Kg	✱	108	60 - 150	1	20
Benzaldehyde	ND		4660	3720		ug/Kg	✱	80	10 - 150	10	20
Benzo[a]anthracene	ND		2330	2580		ug/Kg	✱	111	65 - 120	5	15
Benzo[a]pyrene	ND		2330	2460		ug/Kg	✱	105	64 - 120	4	15
Benzo[b]fluoranthene	310	J	2330	2490		ug/Kg	✱	94	64 - 120	1	15
Benzo[g,h,i]perylene	270	J	2330	2640		ug/Kg	✱	102	45 - 145	3	15
Benzo[k]fluoranthene	ND		2330	2630		ug/Kg	✱	113	65 - 120	5	22
Biphenyl	ND		2330	2340		ug/Kg	✱	101	58 - 120	4	20
bis (2-chloroisopropyl) ether	ND		2330	1980		ug/Kg	✱	85	31 - 120	8	24
Bis(2-chloroethoxy)methane	ND		2330	2010		ug/Kg	✱	86	52 - 120	6	17
Bis(2-chloroethyl)ether	ND		2330	2010		ug/Kg	✱	86	45 - 120	9	21
Bis(2-ethylhexyl) phthalate	2000	F1	2330	3650		ug/Kg	✱	69	61 - 133	12	15
Butyl benzyl phthalate	ND		2330	2490		ug/Kg	✱	107	61 - 120	1	16
Caprolactam	ND		4660	4320		ug/Kg	✱	93	37 - 133	4	20
Carbazole	ND		2330	2540		ug/Kg	✱	109	59 - 120	2	20
Chrysene	ND	F1	2330	2820	F1	ug/Kg	✱	121	64 - 120	7	15
Dibenz(a,h)anthracene	ND		2330	2660		ug/Kg	✱	114	54 - 132	9	15
Dibenzofuran	ND		2330	2380		ug/Kg	✱	102	62 - 120	2	15
Diethyl phthalate	ND		2330	2670		ug/Kg	✱	115	66 - 120	8	15
Dimethyl phthalate	ND		2330	2460		ug/Kg	✱	106	65 - 124	3	15
Di-n-butyl phthalate	ND		2330	2720		ug/Kg	✱	117	58 - 130	2	15

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-153653-6 MSD

Matrix: Solid

Analysis Batch: 474234

Client Sample ID: SB-03

Prep Type: Total/NA

Prep Batch: 473984

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Di-n-octyl phthalate	ND		2330	2800		ug/Kg	✱	120	57 - 133	8	16
Fluoranthene	360	J	2330	2850		ug/Kg	✱	107	62 - 120	3	15
Fluorene	ND		2330	2500		ug/Kg	✱	107	63 - 120	8	15
Hexachlorobenzene	ND		2330	2340		ug/Kg	✱	101	60 - 120	1	15
Hexachlorobutadiene	ND		2330	2070		ug/Kg	✱	89	45 - 120	5	44
Hexachlorocyclopentadiene	ND		2330	1560		ug/Kg	✱	67	31 - 120	15	49
Hexachloroethane	ND		2330	1980		ug/Kg	✱	85	21 - 120	3	46
Indeno[1,2,3-cd]pyrene	200	J	2330	2610		ug/Kg	✱	103	56 - 134	4	15
Isophorone	ND		2330	2090		ug/Kg	✱	90	56 - 120	8	17
Naphthalene	ND		2330	2180		ug/Kg	✱	93	46 - 120	1	29
Nitrobenzene	ND		2330	2100		ug/Kg	✱	90	49 - 120	3	24
N-Nitrosodi-n-propylamine	ND		2330	2120		ug/Kg	✱	91	46 - 120	0	31
N-Nitrosodiphenylamine	ND		2330	2290		ug/Kg	✱	98	20 - 128	1	15
Pentachlorophenol	ND	*	4660	4800		ug/Kg	✱	103	25 - 136	2	35
Phenanthrene	240	J	2330	2570		ug/Kg	✱	100	60 - 122	6	15
Phenol	ND		2330	1950		ug/Kg	✱	84	50 - 120	6	35
Pyrene	ND		2330	2990		ug/Kg	✱	129	61 - 133	6	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	89		54 - 120
2-Fluorobiphenyl	98		60 - 120
2-Fluorophenol (Surr)	82		52 - 120
Nitrobenzene-d5 (Surr)	88		53 - 120
Phenol-d5 (Surr)	80		54 - 120
p-Terphenyl-d14 (Surr)	108		65 - 121

Lab Sample ID: MB 480-474584/1-A

Matrix: Solid

Analysis Batch: 474973

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474584

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00045	mg/L		05/24/19 10:21	05/28/19 20:54	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/24/19 10:21	05/28/19 20:54	1
2,4,6-Trichlorophenol	ND		0.0050	0.00060	mg/L		05/24/19 10:21	05/28/19 20:54	1
2,4-Dinitrotoluene	ND		0.0050	0.00043	mg/L		05/24/19 10:21	05/28/19 20:54	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/24/19 10:21	05/28/19 20:54	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/24/19 10:21	05/28/19 20:54	1
Pyridine	ND		0.025	0.00040	mg/L		05/24/19 10:21	05/28/19 20:54	1
4-Methylphenol	ND		0.010	0.00035	mg/L		05/24/19 10:21	05/28/19 20:54	1
Hexachlorobenzene	ND		0.0050	0.00050	mg/L		05/24/19 10:21	05/28/19 20:54	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/24/19 10:21	05/28/19 20:54	1
Hexachloroethane	ND		0.0050	0.00058	mg/L		05/24/19 10:21	05/28/19 20:54	1
Nitrobenzene	ND		0.0050	0.00028	mg/L		05/24/19 10:21	05/28/19 20:54	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/24/19 10:21	05/28/19 20:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	76		41 - 120	05/24/19 10:21	05/28/19 20:54	1
2-Fluorobiphenyl	90		48 - 120	05/24/19 10:21	05/28/19 20:54	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-474584/1-A

Matrix: Solid

Analysis Batch: 474973

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474584

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	47		35 - 120	05/24/19 10:21	05/28/19 20:54	1
Nitrobenzene-d5 (Surr)	82		46 - 120	05/24/19 10:21	05/28/19 20:54	1
Phenol-d5 (Surr)	31		22 - 120	05/24/19 10:21	05/28/19 20:54	1
p-Terphenyl-d14 (Surr)	106		59 - 136	05/24/19 10:21	05/28/19 20:54	1

Lab Sample ID: LCS 480-474584/2-A

Matrix: Solid

Analysis Batch: 474973

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474584

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0500	0.0305		mg/L		61	51 - 120
2,4,5-Trichlorophenol	0.0500	0.0480		mg/L		96	65 - 126
2,4,6-Trichlorophenol	0.0500	0.0483		mg/L		97	64 - 120
2,4-Dinitrotoluene	0.0500	0.0521		mg/L		104	69 - 120
3-Methylphenol	0.0500	0.0380		mg/L		76	39 - 120
2-Methylphenol	0.0500	0.0398		mg/L		80	39 - 120
Pyridine	0.100	0.0433		mg/L		43	10 - 120
4-Methylphenol	0.0500	0.0380		mg/L		76	29 - 131
Hexachlorobenzene	0.0500	0.0523		mg/L		105	61 - 120
Hexachlorobutadiene	0.0500	0.0341		mg/L		68	35 - 120
Hexachloroethane	0.0500	0.0292		mg/L		58	43 - 120
Nitrobenzene	0.0500	0.0445		mg/L		89	53 - 123
Pentachlorophenol	0.100	0.102		mg/L		102	29 - 136

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	96		41 - 120
2-Fluorobiphenyl	96		48 - 120
2-Fluorophenol (Surr)	47		35 - 120
Nitrobenzene-d5 (Surr)	85		46 - 120
Phenol-d5 (Surr)	35		22 - 120
p-Terphenyl-d14 (Surr)	107		59 - 136

Lab Sample ID: LB 480-474106/1-F

Matrix: Solid

Analysis Batch: 474973

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 474584

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		05/24/19 10:21	05/28/19 23:01	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		05/24/19 10:21	05/28/19 23:01	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		05/24/19 10:21	05/28/19 23:01	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		05/24/19 10:21	05/28/19 23:01	1
3-Methylphenol	ND		0.040	0.0016	mg/L		05/24/19 10:21	05/28/19 23:01	1
2-Methylphenol	ND		0.020	0.0016	mg/L		05/24/19 10:21	05/28/19 23:01	1
Pyridine	ND		0.10	0.0016	mg/L		05/24/19 10:21	05/28/19 23:01	1
4-Methylphenol	ND		0.040	0.0014	mg/L		05/24/19 10:21	05/28/19 23:01	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		05/24/19 10:21	05/28/19 23:01	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		05/24/19 10:21	05/28/19 23:01	1
Hexachloroethane	ND		0.020	0.0023	mg/L		05/24/19 10:21	05/28/19 23:01	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 480-474106/1-F

Matrix: Solid

Analysis Batch: 474973

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 474584

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		0.020	0.0011	mg/L		05/24/19 10:21	05/28/19 23:01	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		05/24/19 10:21	05/28/19 23:01	1
Surrogate	LB %Recovery	LB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		41 - 120				05/24/19 10:21	05/28/19 23:01	1
2-Fluorobiphenyl	96		48 - 120				05/24/19 10:21	05/28/19 23:01	1
2-Fluorophenol (Surr)	50		35 - 120				05/24/19 10:21	05/28/19 23:01	1
Nitrobenzene-d5 (Surr)	92		46 - 120				05/24/19 10:21	05/28/19 23:01	1
Phenol-d5 (Surr)	34		22 - 120				05/24/19 10:21	05/28/19 23:01	1
p-Terphenyl-d14 (Surr)	119		59 - 136				05/24/19 10:21	05/28/19 23:01	1

Lab Sample ID: LB 480-474415/1-E

Matrix: Solid

Analysis Batch: 474973

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 474584

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		05/24/19 10:21	05/28/19 23:26	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		05/24/19 10:21	05/28/19 23:26	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		05/24/19 10:21	05/28/19 23:26	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		05/24/19 10:21	05/28/19 23:26	1
3-Methylphenol	ND		0.040	0.0016	mg/L		05/24/19 10:21	05/28/19 23:26	1
2-Methylphenol	ND		0.020	0.0016	mg/L		05/24/19 10:21	05/28/19 23:26	1
Pyridine	ND		0.10	0.0016	mg/L		05/24/19 10:21	05/28/19 23:26	1
4-Methylphenol	ND		0.040	0.0014	mg/L		05/24/19 10:21	05/28/19 23:26	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		05/24/19 10:21	05/28/19 23:26	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		05/24/19 10:21	05/28/19 23:26	1
Hexachloroethane	ND		0.020	0.0023	mg/L		05/24/19 10:21	05/28/19 23:26	1
Nitrobenzene	ND		0.020	0.0011	mg/L		05/24/19 10:21	05/28/19 23:26	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		05/24/19 10:21	05/28/19 23:26	1
Surrogate	LB %Recovery	LB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	77		41 - 120				05/24/19 10:21	05/28/19 23:26	1
2-Fluorobiphenyl	84		48 - 120				05/24/19 10:21	05/28/19 23:26	1
2-Fluorophenol (Surr)	44		35 - 120				05/24/19 10:21	05/28/19 23:26	1
Nitrobenzene-d5 (Surr)	79		46 - 120				05/24/19 10:21	05/28/19 23:26	1
Phenol-d5 (Surr)	30		22 - 120				05/24/19 10:21	05/28/19 23:26	1
p-Terphenyl-d14 (Surr)	108		59 - 136				05/24/19 10:21	05/28/19 23:26	1

Lab Sample ID: 480-153653-6 MS

Matrix: Solid

Analysis Batch: 474973

Client Sample ID: SB-03

Prep Type: TCLP

Prep Batch: 474584

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	ND		0.200	0.107		mg/L		54	32 - 150
2,4-Dinitrotoluene	ND		0.200	0.212		mg/L		106	54 - 138
2,4,5-Trichlorophenol	ND		0.200	0.187		mg/L		93	65 - 126
2,4,6-Trichlorophenol	ND		0.200	0.186		mg/L		93	64 - 120
2-Methylphenol	ND		0.200	0.146		mg/L		73	46 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-153653-6 MS

Matrix: Solid

Analysis Batch: 474973

Client Sample ID: SB-03

Prep Type: TCLP

Prep Batch: 474584

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
3-Methylphenol	ND		0.200	0.138		mg/L		69	32 - 120
4-Methylphenol	ND		0.200	0.138		mg/L		69	36 - 120
Hexachlorobenzene	ND		0.200	0.196		mg/L		98	57 - 121
Hexachlorobutadiene	ND		0.200	0.121		mg/L		60	37 - 120
Hexachloroethane	ND		0.200	0.103		mg/L		51	16 - 130
Nitrobenzene	ND		0.200	0.169		mg/L		84	45 - 123
Pentachlorophenol	ND		0.400	0.406		mg/L		101	23 - 149
Pyridine	ND	F1	0.400	0.190	F1	mg/L		47	79 - 120
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
2,4,6-Tribromophenol (Surr)	91		41 - 120						
2-Fluorobiphenyl	92		48 - 120						
2-Fluorophenol (Surr)	42		35 - 120						
Nitrobenzene-d5 (Surr)	81		46 - 120						
p-Terphenyl-d14 (Surr)	99		59 - 136						
Phenol-d5 (Surr)	32		22 - 120						

Lab Sample ID: 480-153653-6 MSD

Matrix: Solid

Analysis Batch: 474973

Client Sample ID: SB-03

Prep Type: TCLP

Prep Batch: 474584

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	ND		0.200	0.120		mg/L		60	32 - 150	11	36
2,4-Dinitrotoluene	ND		0.200	0.214		mg/L		107	54 - 138	1	20
2,4,5-Trichlorophenol	ND		0.200	0.197		mg/L		99	65 - 126	6	18
2,4,6-Trichlorophenol	ND		0.200	0.195		mg/L		98	64 - 120	5	19
2-Methylphenol	ND		0.200	0.158		mg/L		79	46 - 120	8	27
3-Methylphenol	ND		0.200	0.149		mg/L		75	32 - 120	8	30
4-Methylphenol	ND		0.200	0.149		mg/L		75	36 - 120	8	24
Hexachlorobenzene	ND		0.200	0.210		mg/L		105	57 - 121	7	15
Hexachlorobutadiene	ND		0.200	0.134		mg/L		67	37 - 120	10	44
Hexachloroethane	ND		0.200	0.117		mg/L		58	16 - 130	13	46
Nitrobenzene	ND		0.200	0.184		mg/L		92	45 - 123	8	24
Pentachlorophenol	ND		0.400	0.448		mg/L		112	23 - 149	10	37
Pyridine	ND	F1	0.400	0.206	F1	mg/L		51	79 - 120	8	49
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
2,4,6-Tribromophenol (Surr)	95		41 - 120								
2-Fluorobiphenyl	94		48 - 120								
2-Fluorophenol (Surr)	47		35 - 120								
Nitrobenzene-d5 (Surr)	87		46 - 120								
p-Terphenyl-d14 (Surr)	99		59 - 136								
Phenol-d5 (Surr)	35		22 - 120								

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-474583/1-A

Matrix: Solid

Analysis Batch: 474860

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474583

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.00050	0.0000073	mg/L		05/24/19 10:18	05/28/19 11:05	1
Endrin	ND		0.000050	0.0000035	mg/L		05/24/19 10:18	05/28/19 11:05	1
gamma-BHC (Lindane)	ND		0.000050	0.0000015	mg/L		05/24/19 10:18	05/28/19 11:05	1
Heptachlor	ND		0.000050	0.0000021	mg/L		05/24/19 10:18	05/28/19 11:05	1
Heptachlor epoxide	ND		0.000050	0.0000013	mg/L		05/24/19 10:18	05/28/19 11:05	1
Methoxychlor	ND		0.000050	0.0000035	mg/L		05/24/19 10:18	05/28/19 11:05	1
Toxaphene	ND		0.00050	0.000030	mg/L		05/24/19 10:18	05/28/19 11:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	61		20 - 120	05/24/19 10:18	05/28/19 11:05	1
DCB Decachlorobiphenyl	59		20 - 120	05/24/19 10:18	05/28/19 11:05	1
Tetrachloro-m-xylene	81		44 - 120	05/24/19 10:18	05/28/19 11:05	1
Tetrachloro-m-xylene	70		44 - 120	05/24/19 10:18	05/28/19 11:05	1

Lab Sample ID: LCS 480-474583/2-A

Matrix: Solid

Analysis Batch: 474860

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474583

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endrin	0.000500	0.000586		mg/L		117	65 - 135
gamma-BHC (Lindane)	0.000500	0.000499		mg/L		100	56 - 120
Heptachlor	0.000500	0.000496		mg/L		99	58 - 120
Heptachlor epoxide	0.000500	0.000553		mg/L		111	65 - 125
Methoxychlor	0.000500	0.000631		mg/L		126	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	55		20 - 120
DCB Decachlorobiphenyl	53		20 - 120
Tetrachloro-m-xylene	83		44 - 120
Tetrachloro-m-xylene	73		44 - 120

Lab Sample ID: LB 480-474106/1-E

Matrix: Solid

Analysis Batch: 474860

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 474583

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0020	0.000029	mg/L		05/24/19 10:18	05/28/19 12:43	1
Endrin	ND		0.00020	0.000014	mg/L		05/24/19 10:18	05/28/19 12:43	1
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		05/24/19 10:18	05/28/19 12:43	1
Heptachlor	ND		0.00020	0.0000085	mg/L		05/24/19 10:18	05/28/19 12:43	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		05/24/19 10:18	05/28/19 12:43	1
Methoxychlor	ND		0.00020	0.000014	mg/L		05/24/19 10:18	05/28/19 12:43	1
Toxaphene	ND		0.0020	0.00012	mg/L		05/24/19 10:18	05/28/19 12:43	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	78		20 - 120	05/24/19 10:18	05/28/19 12:43	1
DCB Decachlorobiphenyl	79		20 - 120	05/24/19 10:18	05/28/19 12:43	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LB 480-474106/1-E

Matrix: Solid

Analysis Batch: 474860

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 474583

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	80		44 - 120	05/24/19 10:18	05/28/19 12:43	1
Tetrachloro-m-xylene	66		44 - 120	05/24/19 10:18	05/28/19 12:43	1

Lab Sample ID: LB 480-474415/1-D

Matrix: Solid

Analysis Batch: 474860

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 474583

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0020	0.000029	mg/L		05/24/19 10:18	05/28/19 13:03	1
Endrin	ND		0.00020	0.000014	mg/L		05/24/19 10:18	05/28/19 13:03	1
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		05/24/19 10:18	05/28/19 13:03	1
Heptachlor	ND		0.00020	0.0000085	mg/L		05/24/19 10:18	05/28/19 13:03	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		05/24/19 10:18	05/28/19 13:03	1
Methoxychlor	ND		0.00020	0.000014	mg/L		05/24/19 10:18	05/28/19 13:03	1
Toxaphene	ND		0.0020	0.00012	mg/L		05/24/19 10:18	05/28/19 13:03	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	77		20 - 120	05/24/19 10:18	05/28/19 13:03	1
DCB Decachlorobiphenyl	75		20 - 120	05/24/19 10:18	05/28/19 13:03	1
Tetrachloro-m-xylene	79		44 - 120	05/24/19 10:18	05/28/19 13:03	1
Tetrachloro-m-xylene	72		44 - 120	05/24/19 10:18	05/28/19 13:03	1

Lab Sample ID: 480-153653-6 MS

Matrix: Solid

Analysis Batch: 474860

Client Sample ID: SB-03

Prep Type: TCLP

Prep Batch: 474583

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Endrin	ND		0.00200	0.00241		mg/L		121	54 - 135
gamma-BHC (Lindane)	ND		0.00200	0.00208		mg/L		104	50 - 120
Heptachlor	ND		0.00200	0.00202		mg/L		101	56 - 120
Heptachlor epoxide	ND		0.00200	0.00244		mg/L		122	58 - 125
Methoxychlor	ND		0.00200	0.00270		mg/L		135	40 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	76		20 - 120
DCB Decachlorobiphenyl	97		20 - 120
Tetrachloro-m-xylene	65		44 - 120
Tetrachloro-m-xylene	94		44 - 120

Lab Sample ID: 480-153653-6 MSD

Matrix: Solid

Analysis Batch: 474860

Client Sample ID: SB-03

Prep Type: TCLP

Prep Batch: 474583

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endrin	ND		0.00200	0.00228		mg/L		114	54 - 135	6	24
gamma-BHC (Lindane)	ND		0.00200	0.00197		mg/L		98	50 - 120	5	24
Heptachlor	ND		0.00200	0.00196		mg/L		98	56 - 120	3	25
Heptachlor epoxide	ND		0.00200	0.00217		mg/L		109	58 - 125	12	23

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 480-153653-6 MSD

Matrix: Solid

Analysis Batch: 474860

Client Sample ID: SB-03

Prep Type: TCLP

Prep Batch: 474583

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methoxychlor	ND		0.00200	0.00242		mg/L		121	40 - 150	11	26
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
DCB Decachlorobiphenyl	60		20 - 120								
DCB Decachlorobiphenyl	62		20 - 120								
Tetrachloro-m-xylene	85		44 - 120								
Tetrachloro-m-xylene	73		44 - 120								

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-473820/1-A

Matrix: Solid

Analysis Batch: 474175

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473820

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.039	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
PCB-1221	ND		0.20	0.039	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
PCB-1232	ND		0.20	0.039	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
PCB-1242	ND		0.20	0.039	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
PCB-1248	ND		0.20	0.039	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
PCB-1254	ND		0.20	0.092	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
PCB-1260	ND		0.20	0.092	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
PCB-1262	ND		0.20	0.092	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
PCB-1268	ND		0.20	0.092	mg/Kg		05/21/19 06:35	05/22/19 17:08	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	110		60 - 154				05/21/19 06:35	05/22/19 17:08	1
Tetrachloro-m-xylene	88		60 - 154				05/21/19 06:35	05/22/19 17:08	1
DCB Decachlorobiphenyl	116		65 - 174				05/21/19 06:35	05/22/19 17:08	1
DCB Decachlorobiphenyl	93		65 - 174				05/21/19 06:35	05/22/19 17:08	1

Lab Sample ID: LCS 480-473820/2-A

Matrix: Solid

Analysis Batch: 474175

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473820

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec.		
			Added	Result	Qualifier			Limits			
PCB-1016			2.19	2.53		mg/Kg		115	51 - 185		
PCB-1260			2.19	2.67		mg/Kg		122	61 - 184		
Surrogate	LCS	LCS	Limits								
	%Recovery	Qualifier									
	Tetrachloro-m-xylene	130		60 - 154							
	Tetrachloro-m-xylene	104		60 - 154							
	DCB Decachlorobiphenyl	136		65 - 174							
	DCB Decachlorobiphenyl	119		65 - 174							

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 480-153653-6 MS

Matrix: Solid

Analysis Batch: 474175

Client Sample ID: SB-03

Prep Type: Total/NA

Prep Batch: 473820

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		2.64	2.62		mg/Kg	☼	99	50 - 177
PCB-1260	ND		2.64	2.59		mg/Kg	☼	98	33 - 200
Surrogate	MS %Recovery	MS Qualifier	Limits						
Tetrachloro-m-xylene	127		60 - 154						
Tetrachloro-m-xylene	107		60 - 154						
DCB Decachlorobiphenyl	132		65 - 174						
DCB Decachlorobiphenyl	113		65 - 174						

Lab Sample ID: 480-153653-6 MSD

Matrix: Solid

Analysis Batch: 474175

Client Sample ID: SB-03

Prep Type: Total/NA

Prep Batch: 473820

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		2.92	3.10		mg/Kg	☼	106	50 - 177	17	50
PCB-1260	ND		2.92	3.09		mg/Kg	☼	106	33 - 200	17	50
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Tetrachloro-m-xylene	135		60 - 154								
Tetrachloro-m-xylene	109		60 - 154								
DCB Decachlorobiphenyl	136		65 - 174								
DCB Decachlorobiphenyl	115		65 - 174								

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-474582/1-A

Matrix: Solid

Analysis Batch: 475001

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474582

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.00050	0.000090	mg/L		05/24/19 10:15	05/29/19 09:25	1
2,4-D	ND		0.00050	0.00010	mg/L		05/24/19 10:15	05/29/19 09:25	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	66		48 - 132				05/24/19 10:15	05/29/19 09:25	1
2,4-Dichlorophenylacetic acid	97		48 - 132				05/24/19 10:15	05/29/19 09:25	1

Lab Sample ID: LCS 480-474582/2-A

Matrix: Solid

Analysis Batch: 475001

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474582

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silvex (2,4,5-TP)	0.00200	0.00172		mg/L		86	49 - 150
2,4-D	0.00200	0.00183		mg/L		92	36 - 150
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
2,4-Dichlorophenylacetic acid	71		48 - 132				

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 480-474582/2-A

Matrix: Solid

Analysis Batch: 475001

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474582

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid	83		48 - 132

Lab Sample ID: LB 480-474106/1-D

Matrix: Solid

Analysis Batch: 475001

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 474582

	LB	LB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L	-	05/24/19 10:15	05/29/19 11:53	1
2,4-D	ND		0.0020	0.00040	mg/L	-	05/24/19 10:15	05/29/19 11:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	37	X	48 - 132				05/24/19 10:15	05/29/19 11:53	1
2,4-Dichlorophenylacetic acid	47	X	48 - 132				05/24/19 10:15	05/29/19 11:53	1

Lab Sample ID: LB 480-474415/1-C

Matrix: Solid

Analysis Batch: 475001

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 474582

	LB	LB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L	-	05/24/19 10:15	05/29/19 12:23	1
2,4-D	ND		0.0020	0.00040	mg/L	-	05/24/19 10:15	05/29/19 12:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	36	X	48 - 132				05/24/19 10:15	05/29/19 12:23	1
2,4-Dichlorophenylacetic acid	47	X	48 - 132				05/24/19 10:15	05/29/19 12:23	1

Lab Sample ID: 480-153653-6 MS

Matrix: Solid

Analysis Batch: 475001

Client Sample ID: SB-03

Prep Type: TCLP

Prep Batch: 474582

	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Silvex (2,4,5-TP)	ND		0.00800	0.00636		mg/L	-	80	25 - 146
2,4-D	ND		0.00800	0.00787		mg/L	-	98	31 - 150
Surrogate	%Recovery	Qualifier	Limits						
2,4-Dichlorophenylacetic acid	38	X	48 - 132						
2,4-Dichlorophenylacetic acid	41	X	48 - 132						

Lab Sample ID: 480-153653-6 MSD

Matrix: Solid

Analysis Batch: 475001

Client Sample ID: SB-03

Prep Type: TCLP

Prep Batch: 474582

	Sample	Sample	Spike	MSD	MSD				%Rec.	RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD
Silvex (2,4,5-TP)	ND		0.00800	0.00621		mg/L	-	78	25 - 146	2
2,4-D	ND		0.00800	0.00829		mg/L	-	104	31 - 150	5

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 480-153653-6 MSD

Matrix: Solid

Analysis Batch: 475001

Client Sample ID: SB-03

Prep Type: TCLP

Prep Batch: 474582

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid	41	X	48 - 132
2,4-Dichlorophenylacetic acid	48		48 - 132

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-473788/1-A

Matrix: Solid

Analysis Batch: 474339

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473788

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		9.7	4.3	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Antimony	ND		14.6	0.39	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Arsenic	ND		1.9	0.39	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Barium	ND		0.49	0.11	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Beryllium	ND		0.19	0.027	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Cadmium	ND		0.19	0.029	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Calcium	6.64	J	48.7	3.2	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Chromium	ND		0.49	0.19	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Cobalt	ND		0.49	0.049	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Copper	ND		0.97	0.20	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Iron	3.98	J	9.7	3.4	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Lead	ND		0.97	0.23	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Magnesium	ND		19.5	0.90	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Manganese	0.101	J	0.19	0.031	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Nickel	ND		4.9	0.22	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Potassium	ND		29.2	19.5	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Selenium	ND		3.9	0.39	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Silver	ND		0.58	0.19	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Sodium	ND		136	12.7	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Thallium	ND		5.8	0.29	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Vanadium	ND		0.49	0.11	mg/Kg		05/21/19 10:20	05/22/19 19:56	1
Zinc	ND		1.9	0.62	mg/Kg		05/21/19 10:20	05/22/19 19:56	1

Lab Sample ID: LCDSRM 480-473788/3-A

Matrix: Solid

Analysis Batch: 474339

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 473788

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	10100	8815		mg/Kg		87.3	41.6 - 123.8	2	20
Antimony	173	56.46		mg/Kg		32.6	10.0 - 134.1	5	20
Arsenic	221	177.5		mg/Kg		80.3	63.8 - 119.0	2	20
Barium	288	231.6		mg/Kg		80.4	70.5 - 117.4	5	20
Beryllium	102	85.24		mg/Kg		83.6	71.2 - 118.6	3	20
Cadmium	153	119.5		mg/Kg		78.1	68.6 - 115.0	4	20

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCDSRM 480-473788/3-A

Matrix: Solid

Analysis Batch: 474339

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 473788

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	5190	4155		mg/Kg		80.1	65.7 - 115.6	2	20
Chromium	179	144.0		mg/Kg		80.4	65.4 - 121.2	2	20
Cobalt	182	170.1		mg/Kg		93.5	71.4 - 119.2	2	20
Copper	113	93.93		mg/Kg		83.1	71.4 - 118.6	4	20
Iron	15000	14020		mg/Kg		93.5	35.7 - 160.7	1	20
Lead	74.5	72.90		mg/Kg		97.9	67.8 - 130.3	6	20
Magnesium	2570	2036		mg/Kg		79.2	55.6 - 124.1	4	20
Manganese	348	292.6		mg/Kg		84.1	71.3 - 118.4	7	20
Nickel	98.0	90.01		mg/Kg		91.8	63.8 - 118.4	2	20
Potassium	2630	2118		mg/Kg		80.5	51.7 - 119.0	3	20
Selenium	54.4	42.45		mg/Kg		78.0	53.3 - 130.0	4	20
Silver	75.5	58.77		mg/Kg		77.8	66.6 - 121.7	1	20
Sodium	226	182.9		mg/Kg		80.9	39.2 - 133.2	2	20
Thallium	64.7	57.83		mg/Kg		89.4	55.0 - 126.0	4	20
Vanadium	62.7	56.53		mg/Kg		90.2	53.3 - 132.4	2	20
Zinc	281	225.5		mg/Kg		80.2	65.8 - 122.4	2	20

Lab Sample ID: LCSSRM 480-473788/2-A

Matrix: Solid

Analysis Batch: 474339

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473788

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	10100	9017		mg/Kg		89.3	41.6 - 123.8		
Antimony	173	59.09		mg/Kg		34.2	10.0 - 134.1		
Arsenic	221	180.5		mg/Kg		81.7	63.8 - 119.0		
Barium	288	242.3		mg/Kg		84.1	70.5 - 117.4		
Beryllium	102	87.84		mg/Kg		86.1	71.2 - 118.6		
Cadmium	153	124.4		mg/Kg		81.3	68.6 - 115.0		
Calcium	5190	4054		mg/Kg		78.1	65.7 - 115.6		
Chromium	179	146.7		mg/Kg		81.9	65.4 - 121.2		

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-473788/2-A

Matrix: Solid

Analysis Batch: 474339

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473788

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	182	174.2		mg/Kg		95.7	71.4 - 119.2
Copper	113	97.78		mg/Kg		86.5	71.4 - 118.6
Iron	15000	13880		mg/Kg		92.5	35.7 - 160.7
Lead	74.5	77.53		mg/Kg		104.1	67.8 - 130.3
Magnesium	2570	2112		mg/Kg		82.2	55.6 - 124.1
Manganese	348	313.0		mg/Kg		89.9	71.3 - 118.4
Nickel	98.0	92.28		mg/Kg		94.2	63.8 - 118.4
Potassium	2630	2183		mg/Kg		83.0	51.7 - 119.0
Selenium	54.4	43.99		mg/Kg		80.9	53.3 - 130.0
Silver	75.5	59.33		mg/Kg		78.6	66.6 - 121.7
Sodium	226	186.1		mg/Kg		82.3	39.2 - 133.2
Thallium	64.7	60.05		mg/Kg		92.8	55.0 - 126.0
Vanadium	62.7	57.46		mg/Kg		91.6	53.3 - 132.4
Zinc	281	230.9		mg/Kg		82.2	65.8 - 122.4

Lab Sample ID: 480-153653-6 MS

Matrix: Solid

Analysis Batch: 474339

Client Sample ID: SB-03

Prep Type: Total/NA

Prep Batch: 473788

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	26300		2900	34080	4	mg/Kg	⚠	269	75 - 125
Arsenic	12.9		58.1	65.69		mg/Kg	⚠	91	75 - 125
Barium	158	F1	58.1	228.2		mg/Kg	⚠	121	75 - 125
Beryllium	1.5		58.1	55.81		mg/Kg	⚠	94	75 - 125
Calcium	14200	B	2900	19120	4	mg/Kg	⚠	168	75 - 125
Cobalt	24.3		58.1	78.87		mg/Kg	⚠	94	75 - 125
Copper	65.0		58.1	124.8		mg/Kg	⚠	103	75 - 125
Magnesium	5570		2900	7803		mg/Kg	⚠	77	75 - 125
Potassium	4670	F1	2910	11240	F1	mg/Kg	⚠	226	75 - 125
Selenium	ND		58.1	51.28		mg/Kg	⚠	88	75 - 125
Sodium	673		2910	3417		mg/Kg	⚠	94	75 - 125
Thallium	ND		58.1	48.37		mg/Kg	⚠	83	75 - 125
Zinc	101		58.1	160.3		mg/Kg	⚠	101	75 - 125

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-153653-6 MS

Matrix: Solid

Analysis Batch: 474575

Client Sample ID: SB-03

Prep Type: Total/NA

Prep Batch: 473788

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	11.0	J F1	58.1	49.38	J F1	mg/Kg	✱	66	75 - 125
Cadmium	ND		58.1	55.39		mg/Kg	✱	95	75 - 125
Chromium	260		58.1	316.5	4	mg/Kg	✱	97	75 - 125
Iron	165000	B	2900	223200	4	mg/Kg	✱	2006	75 - 125
Lead	47.5		58.1	100.6		mg/Kg	✱	91	75 - 125
Manganese	1090	B	58.1	1515	4	mg/Kg	✱	735	75 - 125
Nickel	406		58.1	698.7	4	mg/Kg	✱	504	75 - 125
Silver	ND		14.5	14.12		mg/Kg	✱	97	75 - 125
Vanadium	80.5	F1	58.1	164.8	F1	mg/Kg	✱	145	75 - 125

Lab Sample ID: 480-153653-6 MSD

Matrix: Solid

Analysis Batch: 474339

Client Sample ID: SB-03

Prep Type: Total/NA

Prep Batch: 473788

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	26300		2860	37030	4	mg/Kg	✱	376	75 - 125	8	20
Arsenic	12.9		57.3	63.05		mg/Kg	✱	88	75 - 125	4	20
Barium	158	F1	57.3	256.9	F1	mg/Kg	✱	173	75 - 125	12	20
Beryllium	1.5		57.3	52.79		mg/Kg	✱	90	75 - 125	6	20
Calcium	14200	B	2860	21430	4	mg/Kg	✱	252	75 - 125	11	20
Cobalt	24.3		57.3	80.39		mg/Kg	✱	98	75 - 125	2	20
Copper	65.0		57.3	113.5		mg/Kg	✱	85	75 - 125	9	20
Magnesium	5570		2860	8876		mg/Kg	✱	115	75 - 125	13	20
Potassium	4670	F1	2870	12050	F1	mg/Kg	✱	257	75 - 125	7	20
Selenium	ND		57.3	48.07		mg/Kg	✱	84	75 - 125	6	20
Sodium	673		2870	3464		mg/Kg	✱	97	75 - 125	1	20
Thallium	ND		57.3	48.26		mg/Kg	✱	84	75 - 125	0	20
Zinc	101		57.3	154.7		mg/Kg	✱	93	75 - 125	4	20

Lab Sample ID: 480-153653-6 MSD

Matrix: Solid

Analysis Batch: 474575

Client Sample ID: SB-03

Prep Type: Total/NA

Prep Batch: 473788

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	11.0	J F1	57.3	47.22	J F1	mg/Kg	✱	63	75 - 125	4	20
Cadmium	ND		57.3	55.65		mg/Kg	✱	97	75 - 125	0	20
Chromium	260		57.3	267.9	4	mg/Kg	✱	13	75 - 125	17	20
Iron	165000	B	2860	197400	4	mg/Kg	✱	1130	75 - 125	12	20
Lead	47.5		57.3	99.00		mg/Kg	✱	90	75 - 125	2	20
Manganese	1090	B	57.3	1559	4	mg/Kg	✱	822	75 - 125	3	20
Nickel	406		57.3	586.3	4	mg/Kg	✱	315	75 - 125	17	20
Silver	ND		14.3	13.71		mg/Kg	✱	96	75 - 125	3	20
Vanadium	80.5	F1	57.3	163.9	F1	mg/Kg	✱	146	75 - 125	1	20

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-474366/2-A

Matrix: Solid

Analysis Batch: 475550

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474366

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/23/19 10:10	05/30/19 14:14	1
Barium	ND		1.0	0.10	mg/L		05/23/19 10:10	05/30/19 14:14	1
Cadmium	ND		0.0020	0.00050	mg/L		05/23/19 10:10	05/30/19 14:14	1
Chromium	ND		0.020	0.010	mg/L		05/23/19 10:10	05/30/19 14:14	1
Lead	ND		0.020	0.0030	mg/L		05/23/19 10:10	05/30/19 14:14	1
Selenium	ND		0.025	0.0087	mg/L		05/23/19 10:10	05/30/19 14:14	1
Silver	ND		0.0060	0.0017	mg/L		05/23/19 10:10	05/30/19 14:14	1

Lab Sample ID: LCS 480-474366/3-A

Matrix: Solid

Analysis Batch: 475550

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474366

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.13		mg/L		113	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Cadmium	1.00	1.09		mg/L		109	80 - 120
Chromium	1.00	1.07		mg/L		107	80 - 120
Lead	1.00	1.04		mg/L		104	80 - 120
Selenium	1.00	1.07		mg/L		107	80 - 120
Silver	1.00	1.11		mg/L		111	80 - 120

Lab Sample ID: MB 480-474579/2-A

Matrix: Solid

Analysis Batch: 474808

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474579

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/24/19 10:19	05/25/19 17:53	1
Barium	ND		1.0	0.10	mg/L		05/24/19 10:19	05/25/19 17:53	1
Cadmium	ND		0.0020	0.00050	mg/L		05/24/19 10:19	05/25/19 17:53	1
Chromium	ND		0.020	0.010	mg/L		05/24/19 10:19	05/25/19 17:53	1
Lead	ND		0.020	0.0030	mg/L		05/24/19 10:19	05/25/19 17:53	1
Selenium	ND		0.025	0.0087	mg/L		05/24/19 10:19	05/25/19 17:53	1
Silver	ND		0.0060	0.0017	mg/L		05/24/19 10:19	05/25/19 17:53	1

Lab Sample ID: LCS 480-474579/3-A

Matrix: Solid

Analysis Batch: 474808

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474579

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.20	1.26		mg/L		105	80 - 120
Barium	1.20	1.15		mg/L		96	80 - 120
Cadmium	1.20	1.20		mg/L		100	80 - 120
Chromium	1.20	1.20		mg/L		100	80 - 120
Lead	1.20	1.15		mg/L		96	80 - 120
Selenium	1.20	1.20		mg/L		100	80 - 120
Silver	1.05	1.06		mg/L		101	80 - 120

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LB 480-474106/1-B

Matrix: Solid

Analysis Batch: 475550

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 474366

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/23/19 10:10	05/30/19 14:11	1
Barium	ND		1.0	0.10	mg/L		05/23/19 10:10	05/30/19 14:11	1
Cadmium	ND		0.0020	0.00050	mg/L		05/23/19 10:10	05/30/19 14:11	1
Chromium	ND		0.020	0.010	mg/L		05/23/19 10:10	05/30/19 14:11	1
Lead	ND		0.020	0.0030	mg/L		05/23/19 10:10	05/30/19 14:11	1
Selenium	ND		0.025	0.0087	mg/L		05/23/19 10:10	05/30/19 14:11	1
Silver	ND		0.0060	0.0017	mg/L		05/23/19 10:10	05/30/19 14:11	1

Lab Sample ID: 480-153653-2 MS

Matrix: Solid

Analysis Batch: 475550

Client Sample ID: TP-02

Prep Type: TCLP

Prep Batch: 474366

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.0077	J	1.00	1.16		mg/L		116	75 - 125
Barium	0.70	J	1.00	1.70		mg/L		100	75 - 125
Cadmium	0.0022		1.00	1.12		mg/L		112	75 - 125
Chromium	ND		1.00	1.06		mg/L		106	75 - 125
Lead	0.046		1.00	1.11		mg/L		106	75 - 125
Selenium	ND		1.00	1.11		mg/L		111	75 - 125
Silver	ND		1.00	1.15		mg/L		115	75 - 125

Lab Sample ID: 480-153653-2 MSD

Matrix: Solid

Analysis Batch: 475550

Client Sample ID: TP-02

Prep Type: TCLP

Prep Batch: 474366

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.0077	J	1.00	1.15		mg/L		114	75 - 125	1	20
Barium	0.70	J	1.00	1.69		mg/L		98	75 - 125	1	20
Cadmium	0.0022		1.00	1.11		mg/L		111	75 - 125	1	20
Chromium	ND		1.00	1.05		mg/L		105	75 - 125	1	20
Lead	0.046		1.00	1.09		mg/L		105	75 - 125	1	20
Selenium	ND		1.00	1.10		mg/L		110	75 - 125	1	20
Silver	ND		1.00	1.13		mg/L		113	75 - 125	1	20

Lab Sample ID: LB 480-474415/1-B

Matrix: Solid

Analysis Batch: 474808

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 474579

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/24/19 10:19	05/25/19 17:49	1
Barium	ND		1.0	0.10	mg/L		05/24/19 10:19	05/25/19 17:49	1
Cadmium	ND		0.0020	0.00050	mg/L		05/24/19 10:19	05/25/19 17:49	1
Chromium	ND		0.020	0.010	mg/L		05/24/19 10:19	05/25/19 17:49	1
Lead	ND		0.020	0.0030	mg/L		05/24/19 10:19	05/25/19 17:49	1
Selenium	ND		0.025	0.0087	mg/L		05/24/19 10:19	05/25/19 17:49	1
Silver	ND		0.0060	0.0017	mg/L		05/24/19 10:19	05/25/19 17:49	1

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-153653-6 MS

Matrix: Solid

Analysis Batch: 474808

Client Sample ID: SB-03

Prep Type: TCLP

Prep Batch: 474579

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.0059	J	1.20	1.30		mg/L		108	75 - 125
Barium	0.49	J	1.20	1.67		mg/L		98	75 - 125
Cadmium	0.0011	J	1.20	1.24		mg/L		104	75 - 125
Chromium	0.011	J	1.20	1.19		mg/L		98	75 - 125
Lead	0.0069	J	1.20	1.18		mg/L		98	75 - 125
Selenium	ND		1.20	1.24		mg/L		103	75 - 125
Silver	ND		1.05	1.09		mg/L		104	75 - 125

Lab Sample ID: 480-153653-6 MSD

Matrix: Solid

Analysis Batch: 474808

Client Sample ID: SB-03

Prep Type: TCLP

Prep Batch: 474579

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.0059	J	1.20	1.25		mg/L		104	75 - 125	4	20
Barium	0.49	J	1.20	1.60		mg/L		92	75 - 125	5	20
Cadmium	0.0011	J	1.20	1.19		mg/L		99	75 - 125	4	20
Chromium	0.011	J	1.20	1.15		mg/L		95	75 - 125	4	20
Lead	0.0069	J	1.20	1.13		mg/L		94	75 - 125	4	20
Selenium	ND		1.20	1.19		mg/L		99	75 - 125	4	20
Silver	ND		1.05	1.04		mg/L		100	75 - 125	4	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-474371/2-A

Matrix: Solid

Analysis Batch: 474472

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474371

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/23/19 11:37	05/23/19 15:09	1

Lab Sample ID: LCS 480-474371/3-A

Matrix: Solid

Analysis Batch: 474472

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474371

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00668	0.00652		mg/L		98	80 - 120

Lab Sample ID: MB 480-474609/2-A

Matrix: Solid

Analysis Batch: 474669

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474609

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/24/19 11:42	05/24/19 15:12	1

Lab Sample ID: LCS 480-474609/3-A

Matrix: Solid

Analysis Batch: 474669

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474609

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00668	0.00650		mg/L		97	80 - 120

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QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LB 480-474106/1-C
Matrix: Solid
Analysis Batch: 474472

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 474371

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/23/19 11:37	05/23/19 15:08	1

Lab Sample ID: 480-153653-2 MS
Matrix: Solid
Analysis Batch: 474472

Client Sample ID: TP-02
Prep Type: TCLP
Prep Batch: 474371

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00668	0.00603		mg/L		90	80 - 120

Lab Sample ID: 480-153653-2 MSD
Matrix: Solid
Analysis Batch: 474472

Client Sample ID: TP-02
Prep Type: TCLP
Prep Batch: 474371

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Mercury	ND		0.00668	0.00588		mg/L		88	80 - 120	3	20

Lab Sample ID: LB 480-474415/1-F
Matrix: Solid
Analysis Batch: 474669

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 474609

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/24/19 11:42	05/24/19 15:08	1

Lab Sample ID: 480-153653-6 MS
Matrix: Solid
Analysis Batch: 474669

Client Sample ID: SB-03
Prep Type: TCLP
Prep Batch: 474609

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00668	0.00592		mg/L		89	80 - 120

Lab Sample ID: 480-153653-6 MSD
Matrix: Solid
Analysis Batch: 474669

Client Sample ID: SB-03
Prep Type: TCLP
Prep Batch: 474609

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Mercury	ND		0.00668	0.00602		mg/L		90	80 - 120	2	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-473760/1-A
Matrix: Solid
Analysis Batch: 474014

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 473760

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.019	0.0076	mg/Kg		05/21/19 15:23	05/21/19 16:27	1

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCDSRM 480-473760/3-A ^5

Matrix: Solid

Analysis Batch: 474014

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 473760

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hg	4.85	3.61		mg/Kg	—	74.4	46.0 - 107.0	9	20

Lab Sample ID: LCSSRM 480-473760/2-A ^5

Matrix: Solid

Analysis Batch: 474014

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473760

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hg	4.85	3.30		mg/Kg	—	68.0	46.0 - 107.0		

Lab Sample ID: 480-153653-6 MS

Matrix: Solid

Analysis Batch: 474014

Client Sample ID: SB-03

Prep Type: Total/NA

Prep Batch: 473760

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hg	0.040		0.452	0.520		mg/Kg	✱	106	80 - 120		

Lab Sample ID: 480-153653-6 MSD

Matrix: Solid

Analysis Batch: 474014

Client Sample ID: SB-03

Prep Type: Total/NA

Prep Batch: 473760

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hg	0.040		0.454	0.527		mg/Kg	✱	107	80 - 120	1	20

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

GC/MS VOA

Analysis Batch: 473646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	Total/NA	Solid	8260C	473698
480-153653-2	TP-02	Total/NA	Solid	8260C	473698
480-153653-3	TP-03 COMP	Total/NA	Solid	8260C	473698
480-153653-4	TP-04 COMP	Total/NA	Solid	8260C	473698
480-153653-5	TP-07A	Total/NA	Solid	8260C	473698
480-153653-6	SB-03	Total/NA	Solid	8260C	473698
480-153653-7	FD-051619-01	Total/NA	Solid	8260C	473698
MB 480-473698/3-A	Method Blank	Total/NA	Solid	8260C	473698
LCS 480-473698/1-A	Lab Control Sample	Total/NA	Solid	8260C	473698
480-153653-6 MS	SB-03	Total/NA	Solid	8260C	473698
480-153653-6 MSD	SB-03	Total/NA	Solid	8260C	473698

Prep Batch: 473698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	Total/NA	Solid	5035A_L	
480-153653-2	TP-02	Total/NA	Solid	5035A_L	
480-153653-3	TP-03 COMP	Total/NA	Solid	5035A_L	
480-153653-4	TP-04 COMP	Total/NA	Solid	5035A_L	
480-153653-5	TP-07A	Total/NA	Solid	5035A_L	
480-153653-6	SB-03	Total/NA	Solid	5035A_L	
480-153653-7	FD-051619-01	Total/NA	Solid	5035A_L	
MB 480-473698/3-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-473698/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	
480-153653-6 MS	SB-03	Total/NA	Solid	5035A_L	
480-153653-6 MSD	SB-03	Total/NA	Solid	5035A_L	

Leach Batch: 474111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	TCLP	Solid	1311	
480-153653-2	TP-02	TCLP	Solid	1311	
480-153653-3	TP-03 COMP	TCLP	Solid	1311	
480-153653-4	TP-04 COMP	TCLP	Solid	1311	
480-153653-5	TP-07A	TCLP	Solid	1311	
480-153653-6	SB-03	TCLP	Solid	1311	
480-153653-7	FD-051619-01	TCLP	Solid	1311	
LB 480-474111/1-A	Method Blank	TCLP	Solid	1311	
480-153653-6 MS	SB-03	TCLP	Solid	1311	
480-153653-6 MSD	SB-03	TCLP	Solid	1311	

Analysis Batch: 474530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	TCLP	Solid	8260C	474111
480-153653-2	TP-02	TCLP	Solid	8260C	474111
480-153653-3	TP-03 COMP	TCLP	Solid	8260C	474111
480-153653-4	TP-04 COMP	TCLP	Solid	8260C	474111
480-153653-5	TP-07A	TCLP	Solid	8260C	474111
480-153653-6	SB-03	TCLP	Solid	8260C	474111
480-153653-7	FD-051619-01	TCLP	Solid	8260C	474111
LB 480-474111/1-A	Method Blank	TCLP	Solid	8260C	474111
MB 480-474530/7	Method Blank	Total/NA	Solid	8260C	
LCS 480-474530/5	Lab Control Sample	Total/NA	Solid	8260C	

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QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

GC/MS VOA (Continued)

Analysis Batch: 474530 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-6 MS	SB-03	TCLP	Solid	8260C	474111
480-153653-6 MSD	SB-03	TCLP	Solid	8260C	474111

GC/MS Semi VOA

Prep Batch: 473984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	Total/NA	Solid	3550C	
480-153653-2	TP-02	Total/NA	Solid	3550C	
480-153653-3	TP-03 COMP	Total/NA	Solid	3550C	
480-153653-4	TP-04 COMP	Total/NA	Solid	3550C	
480-153653-5	TP-07A	Total/NA	Solid	3550C	
480-153653-6	SB-03	Total/NA	Solid	3550C	
480-153653-7	FD-051619-01	Total/NA	Solid	3550C	
MB 480-473984/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-473984/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-153653-6 MS	SB-03	Total/NA	Solid	3550C	
480-153653-6 MSD	SB-03	Total/NA	Solid	3550C	

Leach Batch: 474106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	TCLP	Solid	1311	
480-153653-2	TP-02	TCLP	Solid	1311	
480-153653-3	TP-03 COMP	TCLP	Solid	1311	
480-153653-4	TP-04 COMP	TCLP	Solid	1311	
480-153653-5	TP-07A	TCLP	Solid	1311	
480-153653-7	FD-051619-01	TCLP	Solid	1311	
LB 480-474106/1-F	Method Blank	TCLP	Solid	1311	

Analysis Batch: 474234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	Total/NA	Solid	8270D	473984
480-153653-2	TP-02	Total/NA	Solid	8270D	473984
480-153653-3	TP-03 COMP	Total/NA	Solid	8270D	473984
480-153653-4	TP-04 COMP	Total/NA	Solid	8270D	473984
480-153653-5	TP-07A	Total/NA	Solid	8270D	473984
480-153653-6	SB-03	Total/NA	Solid	8270D	473984
480-153653-7	FD-051619-01	Total/NA	Solid	8270D	473984
MB 480-473984/1-A	Method Blank	Total/NA	Solid	8270D	473984
LCS 480-473984/2-A	Lab Control Sample	Total/NA	Solid	8270D	473984
480-153653-6 MS	SB-03	Total/NA	Solid	8270D	473984
480-153653-6 MSD	SB-03	Total/NA	Solid	8270D	473984

Leach Batch: 474415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-6	SB-03	TCLP	Solid	1311	
LB 480-474415/1-E	Method Blank	TCLP	Solid	1311	
480-153653-6 MS	SB-03	TCLP	Solid	1311	
480-153653-6 MSD	SB-03	TCLP	Solid	1311	

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

GC/MS Semi VOA

Prep Batch: 474584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	TCLP	Solid	3510C	474106
480-153653-2	TP-02	TCLP	Solid	3510C	474106
480-153653-3	TP-03 COMP	TCLP	Solid	3510C	474106
480-153653-4	TP-04 COMP	TCLP	Solid	3510C	474106
480-153653-5	TP-07A	TCLP	Solid	3510C	474106
480-153653-6	SB-03	TCLP	Solid	3510C	474415
480-153653-7	FD-051619-01	TCLP	Solid	3510C	474106
LB 480-474106/1-F	Method Blank	TCLP	Solid	3510C	474106
LB 480-474415/1-E	Method Blank	TCLP	Solid	3510C	474415
MB 480-474584/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 480-474584/2-A	Lab Control Sample	Total/NA	Solid	3510C	
480-153653-6 MS	SB-03	TCLP	Solid	3510C	474415
480-153653-6 MSD	SB-03	TCLP	Solid	3510C	474415

Analysis Batch: 474973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	TCLP	Solid	8270D	474584
480-153653-2	TP-02	TCLP	Solid	8270D	474584
480-153653-3	TP-03 COMP	TCLP	Solid	8270D	474584
480-153653-4	TP-04 COMP	TCLP	Solid	8270D	474584
480-153653-5	TP-07A	TCLP	Solid	8270D	474584
480-153653-6	SB-03	TCLP	Solid	8270D	474584
480-153653-7	FD-051619-01	TCLP	Solid	8270D	474584
LB 480-474106/1-F	Method Blank	TCLP	Solid	8270D	474584
LB 480-474415/1-E	Method Blank	TCLP	Solid	8270D	474584
MB 480-474584/1-A	Method Blank	Total/NA	Solid	8270D	474584
LCS 480-474584/2-A	Lab Control Sample	Total/NA	Solid	8270D	474584
480-153653-6 MS	SB-03	TCLP	Solid	8270D	474584
480-153653-6 MSD	SB-03	TCLP	Solid	8270D	474584

GC Semi VOA

Prep Batch: 473820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	Total/NA	Solid	3550C	
480-153653-2	TP-02	Total/NA	Solid	3550C	
480-153653-3	TP-03 COMP	Total/NA	Solid	3550C	
480-153653-4	TP-04 COMP	Total/NA	Solid	3550C	
480-153653-5	TP-07A	Total/NA	Solid	3550C	
480-153653-6	SB-03	Total/NA	Solid	3550C	
480-153653-7	FD-051619-01	Total/NA	Solid	3550C	
MB 480-473820/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-473820/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-153653-6 MS	SB-03	Total/NA	Solid	3550C	
480-153653-6 MSD	SB-03	Total/NA	Solid	3550C	

Leach Batch: 474106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	TCLP	Solid	1311	
480-153653-2	TP-02	TCLP	Solid	1311	
480-153653-3	TP-03 COMP	TCLP	Solid	1311	

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

GC Semi VOA (Continued)

Leach Batch: 474106 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-4	TP-04 COMP	TCLP	Solid	1311	
480-153653-5	TP-07A	TCLP	Solid	1311	
480-153653-7	FD-051619-01	TCLP	Solid	1311	
LB 480-474106/1-D	Method Blank	TCLP	Solid	1311	
LB 480-474106/1-E	Method Blank	TCLP	Solid	1311	

Analysis Batch: 474175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	Total/NA	Solid	8082A	473820
480-153653-2	TP-02	Total/NA	Solid	8082A	473820
480-153653-3	TP-03 COMP	Total/NA	Solid	8082A	473820
480-153653-4	TP-04 COMP	Total/NA	Solid	8082A	473820
480-153653-5	TP-07A	Total/NA	Solid	8082A	473820
480-153653-6	SB-03	Total/NA	Solid	8082A	473820
480-153653-7	FD-051619-01	Total/NA	Solid	8082A	473820
MB 480-473820/1-A	Method Blank	Total/NA	Solid	8082A	473820
LCS 480-473820/2-A	Lab Control Sample	Total/NA	Solid	8082A	473820
480-153653-6 MS	SB-03	Total/NA	Solid	8082A	473820
480-153653-6 MSD	SB-03	Total/NA	Solid	8082A	473820

Leach Batch: 474415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-6	SB-03	TCLP	Solid	1311	
LB 480-474415/1-C	Method Blank	TCLP	Solid	1311	
LB 480-474415/1-D	Method Blank	TCLP	Solid	1311	
480-153653-6 MS	SB-03	TCLP	Solid	1311	
480-153653-6 MSD	SB-03	TCLP	Solid	1311	

Prep Batch: 474582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	TCLP	Solid	8151A	474106
480-153653-2	TP-02	TCLP	Solid	8151A	474106
480-153653-3	TP-03 COMP	TCLP	Solid	8151A	474106
480-153653-4	TP-04 COMP	TCLP	Solid	8151A	474106
480-153653-5	TP-07A	TCLP	Solid	8151A	474106
480-153653-6	SB-03	TCLP	Solid	8151A	474415
480-153653-7	FD-051619-01	TCLP	Solid	8151A	474106
LB 480-474106/1-D	Method Blank	TCLP	Solid	8151A	474106
LB 480-474415/1-C	Method Blank	TCLP	Solid	8151A	474415
MB 480-474582/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-474582/2-A	Lab Control Sample	Total/NA	Solid	8151A	
480-153653-6 MS	SB-03	TCLP	Solid	8151A	474415
480-153653-6 MSD	SB-03	TCLP	Solid	8151A	474415

Prep Batch: 474583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	TCLP	Solid	3510C	474106
480-153653-2	TP-02	TCLP	Solid	3510C	474106
480-153653-3	TP-03 COMP	TCLP	Solid	3510C	474106
480-153653-4	TP-04 COMP	TCLP	Solid	3510C	474106
480-153653-5	TP-07A	TCLP	Solid	3510C	474106

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

GC Semi VOA (Continued)

Prep Batch: 474583 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-6	SB-03	TCLP	Solid	3510C	474415
480-153653-7	FD-051619-01	TCLP	Solid	3510C	474106
LB 480-474106/1-E	Method Blank	TCLP	Solid	3510C	474106
LB 480-474415/1-D	Method Blank	TCLP	Solid	3510C	474415
MB 480-474583/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 480-474583/2-A	Lab Control Sample	Total/NA	Solid	3510C	
480-153653-6 MS	SB-03	TCLP	Solid	3510C	474415
480-153653-6 MSD	SB-03	TCLP	Solid	3510C	474415

Analysis Batch: 474860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	TCLP	Solid	8081B	474583
480-153653-2	TP-02	TCLP	Solid	8081B	474583
480-153653-3	TP-03 COMP	TCLP	Solid	8081B	474583
480-153653-4	TP-04 COMP	TCLP	Solid	8081B	474583
480-153653-5	TP-07A	TCLP	Solid	8081B	474583
480-153653-6	SB-03	TCLP	Solid	8081B	474583
480-153653-7	FD-051619-01	TCLP	Solid	8081B	474583
LB 480-474106/1-E	Method Blank	TCLP	Solid	8081B	474583
LB 480-474415/1-D	Method Blank	TCLP	Solid	8081B	474583
MB 480-474583/1-A	Method Blank	Total/NA	Solid	8081B	474583
LCS 480-474583/2-A	Lab Control Sample	Total/NA	Solid	8081B	474583
480-153653-6 MS	SB-03	TCLP	Solid	8081B	474583
480-153653-6 MSD	SB-03	TCLP	Solid	8081B	474583

Analysis Batch: 475001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	TCLP	Solid	8151A	474582
480-153653-2	TP-02	TCLP	Solid	8151A	474582
480-153653-3	TP-03 COMP	TCLP	Solid	8151A	474582
480-153653-4	TP-04 COMP	TCLP	Solid	8151A	474582
480-153653-5	TP-07A	TCLP	Solid	8151A	474582
480-153653-6	SB-03	TCLP	Solid	8151A	474582
480-153653-7	FD-051619-01	TCLP	Solid	8151A	474582
LB 480-474106/1-D	Method Blank	TCLP	Solid	8151A	474582
LB 480-474415/1-C	Method Blank	TCLP	Solid	8151A	474582
MB 480-474582/1-A	Method Blank	Total/NA	Solid	8151A	474582
LCS 480-474582/2-A	Lab Control Sample	Total/NA	Solid	8151A	474582
480-153653-6 MS	SB-03	TCLP	Solid	8151A	474582
480-153653-6 MSD	SB-03	TCLP	Solid	8151A	474582

Metals

Prep Batch: 473760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	Total/NA	Solid	7471B	
480-153653-2	TP-02	Total/NA	Solid	7471B	
480-153653-3	TP-03 COMP	Total/NA	Solid	7471B	
480-153653-4	TP-04 COMP	Total/NA	Solid	7471B	
480-153653-5	TP-07A	Total/NA	Solid	7471B	
480-153653-6	SB-03	Total/NA	Solid	7471B	

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Metals (Continued)

Prep Batch: 473760 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-7	FD-051619-01	Total/NA	Solid	7471B	
MB 480-473760/1-A	Method Blank	Total/NA	Solid	7471B	
LCDSRM 480-473760/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	7471B	
LCSSRM 480-473760/2-A ^5	Lab Control Sample	Total/NA	Solid	7471B	
480-153653-6 MS	SB-03	Total/NA	Solid	7471B	
480-153653-6 MSD	SB-03	Total/NA	Solid	7471B	

Prep Batch: 473788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	Total/NA	Solid	3050B	
480-153653-2	TP-02	Total/NA	Solid	3050B	
480-153653-3	TP-03 COMP	Total/NA	Solid	3050B	
480-153653-4	TP-04 COMP	Total/NA	Solid	3050B	
480-153653-5	TP-07A	Total/NA	Solid	3050B	
480-153653-6	SB-03	Total/NA	Solid	3050B	
480-153653-7	FD-051619-01	Total/NA	Solid	3050B	
MB 480-473788/1-A	Method Blank	Total/NA	Solid	3050B	
LCDSRM 480-473788/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 480-473788/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-153653-6 MS	SB-03	Total/NA	Solid	3050B	
480-153653-6 MSD	SB-03	Total/NA	Solid	3050B	

Analysis Batch: 474014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	Total/NA	Solid	7471B	473760
480-153653-2	TP-02	Total/NA	Solid	7471B	473760
480-153653-3	TP-03 COMP	Total/NA	Solid	7471B	473760
480-153653-4	TP-04 COMP	Total/NA	Solid	7471B	473760
480-153653-5	TP-07A	Total/NA	Solid	7471B	473760
480-153653-6	SB-03	Total/NA	Solid	7471B	473760
480-153653-7	FD-051619-01	Total/NA	Solid	7471B	473760
MB 480-473760/1-A	Method Blank	Total/NA	Solid	7471B	473760
LCDSRM 480-473760/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	7471B	473760
LCSSRM 480-473760/2-A ^5	Lab Control Sample	Total/NA	Solid	7471B	473760
480-153653-6 MS	SB-03	Total/NA	Solid	7471B	473760
480-153653-6 MSD	SB-03	Total/NA	Solid	7471B	473760

Leach Batch: 474106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	TCLP	Solid	1311	
480-153653-2	TP-02	TCLP	Solid	1311	
480-153653-3	TP-03 COMP	TCLP	Solid	1311	
480-153653-4	TP-04 COMP	TCLP	Solid	1311	
480-153653-5	TP-07A	TCLP	Solid	1311	
480-153653-7	FD-051619-01	TCLP	Solid	1311	
LB 480-474106/1-B	Method Blank	TCLP	Solid	1311	
LB 480-474106/1-C	Method Blank	TCLP	Solid	1311	
480-153653-2 MS	TP-02	TCLP	Solid	1311	
480-153653-2 MSD	TP-02	TCLP	Solid	1311	

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Metals

Analysis Batch: 474339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	Total/NA	Solid	6010C	473788
480-153653-2	TP-02	Total/NA	Solid	6010C	473788
480-153653-3	TP-03 COMP	Total/NA	Solid	6010C	473788
480-153653-4	TP-04 COMP	Total/NA	Solid	6010C	473788
480-153653-5	TP-07A	Total/NA	Solid	6010C	473788
480-153653-6	SB-03	Total/NA	Solid	6010C	473788
480-153653-7	FD-051619-01	Total/NA	Solid	6010C	473788
MB 480-473788/1-A	Method Blank	Total/NA	Solid	6010C	473788
LCDSRM 480-473788/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	473788
LCSSRM 480-473788/2-A	Lab Control Sample	Total/NA	Solid	6010C	473788
480-153653-6 MS	SB-03	Total/NA	Solid	6010C	473788
480-153653-6 MSD	SB-03	Total/NA	Solid	6010C	473788

Prep Batch: 474366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	TCLP	Solid	3010A	474106
480-153653-2	TP-02	TCLP	Solid	3010A	474106
480-153653-3	TP-03 COMP	TCLP	Solid	3010A	474106
480-153653-4	TP-04 COMP	TCLP	Solid	3010A	474106
480-153653-5	TP-07A	TCLP	Solid	3010A	474106
480-153653-7	FD-051619-01	TCLP	Solid	3010A	474106
LB 480-474106/1-B	Method Blank	TCLP	Solid	3010A	474106
MB 480-474366/2-A	Method Blank	Total/NA	Solid	3010A	
LCS 480-474366/3-A	Lab Control Sample	Total/NA	Solid	3010A	
480-153653-2 MS	TP-02	TCLP	Solid	3010A	474106
480-153653-2 MSD	TP-02	TCLP	Solid	3010A	474106

Prep Batch: 474371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	TCLP	Solid	7470A	474106
480-153653-2	TP-02	TCLP	Solid	7470A	474106
480-153653-3	TP-03 COMP	TCLP	Solid	7470A	474106
480-153653-4	TP-04 COMP	TCLP	Solid	7470A	474106
480-153653-5	TP-07A	TCLP	Solid	7470A	474106
480-153653-7	FD-051619-01	TCLP	Solid	7470A	474106
LB 480-474106/1-C	Method Blank	TCLP	Solid	7470A	474106
MB 480-474371/2-A	Method Blank	Total/NA	Solid	7470A	
LCS 480-474371/3-A	Lab Control Sample	Total/NA	Solid	7470A	
480-153653-2 MS	TP-02	TCLP	Solid	7470A	474106
480-153653-2 MSD	TP-02	TCLP	Solid	7470A	474106

Leach Batch: 474415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-6	SB-03	TCLP	Solid	1311	
LB 480-474415/1-B	Method Blank	TCLP	Solid	1311	
LB 480-474415/1-F	Method Blank	TCLP	Solid	1311	
480-153653-6 MS	SB-03	TCLP	Solid	1311	
480-153653-6 MSD	SB-03	TCLP	Solid	1311	

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Metals

Analysis Batch: 474472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	TCLP	Solid	7470A	474371
480-153653-2	TP-02	TCLP	Solid	7470A	474371
480-153653-3	TP-03 COMP	TCLP	Solid	7470A	474371
480-153653-4	TP-04 COMP	TCLP	Solid	7470A	474371
480-153653-5	TP-07A	TCLP	Solid	7470A	474371
480-153653-7	FD-051619-01	TCLP	Solid	7470A	474371
LB 480-474106/1-C	Method Blank	TCLP	Solid	7470A	474371
MB 480-474371/2-A	Method Blank	Total/NA	Solid	7470A	474371
LCS 480-474371/3-A	Lab Control Sample	Total/NA	Solid	7470A	474371
480-153653-2 MS	TP-02	TCLP	Solid	7470A	474371
480-153653-2 MSD	TP-02	TCLP	Solid	7470A	474371

Analysis Batch: 474575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	Total/NA	Solid	6010C	473788
480-153653-2	TP-02	Total/NA	Solid	6010C	473788
480-153653-4	TP-04 COMP	Total/NA	Solid	6010C	473788
480-153653-6	SB-03	Total/NA	Solid	6010C	473788
480-153653-6 MS	SB-03	Total/NA	Solid	6010C	473788
480-153653-6 MSD	SB-03	Total/NA	Solid	6010C	473788

Prep Batch: 474579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-6	SB-03	TCLP	Solid	3010A	474415
LB 480-474415/1-B	Method Blank	TCLP	Solid	3010A	474415
MB 480-474579/2-A	Method Blank	Total/NA	Solid	3010A	
LCS 480-474579/3-A	Lab Control Sample	Total/NA	Solid	3010A	
480-153653-6 MS	SB-03	TCLP	Solid	3010A	474415
480-153653-6 MSD	SB-03	TCLP	Solid	3010A	474415

Prep Batch: 474609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-6	SB-03	TCLP	Solid	7470A	474415
LB 480-474415/1-F	Method Blank	TCLP	Solid	7470A	474415
MB 480-474609/2-A	Method Blank	Total/NA	Solid	7470A	
LCS 480-474609/3-A	Lab Control Sample	Total/NA	Solid	7470A	
480-153653-6 MS	SB-03	TCLP	Solid	7470A	474415
480-153653-6 MSD	SB-03	TCLP	Solid	7470A	474415

Analysis Batch: 474669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-6	SB-03	TCLP	Solid	7470A	474609
LB 480-474415/1-F	Method Blank	TCLP	Solid	7470A	474609
MB 480-474609/2-A	Method Blank	Total/NA	Solid	7470A	474609
LCS 480-474609/3-A	Lab Control Sample	Total/NA	Solid	7470A	474609
480-153653-6 MS	SB-03	TCLP	Solid	7470A	474609
480-153653-6 MSD	SB-03	TCLP	Solid	7470A	474609

Analysis Batch: 474739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	Total/NA	Solid	6010C	473788

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Metals (Continued)

Analysis Batch: 474739 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-2	TP-02	Total/NA	Solid	6010C	473788

Analysis Batch: 474808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-6	SB-03	TCLP	Solid	6010C	474579
LB 480-474415/1-B	Method Blank	TCLP	Solid	6010C	474579
MB 480-474579/2-A	Method Blank	Total/NA	Solid	6010C	474579
LCS 480-474579/3-A	Lab Control Sample	Total/NA	Solid	6010C	474579
480-153653-6 MS	SB-03	TCLP	Solid	6010C	474579
480-153653-6 MSD	SB-03	TCLP	Solid	6010C	474579

Analysis Batch: 475550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	TCLP	Solid	6010C	474366
480-153653-2	TP-02	TCLP	Solid	6010C	474366
480-153653-3	TP-03 COMP	TCLP	Solid	6010C	474366
480-153653-4	TP-04 COMP	TCLP	Solid	6010C	474366
480-153653-5	TP-07A	TCLP	Solid	6010C	474366
480-153653-7	FD-051619-01	TCLP	Solid	6010C	474366
LB 480-474106/1-B	Method Blank	TCLP	Solid	6010C	474366
MB 480-474366/2-A	Method Blank	Total/NA	Solid	6010C	474366
LCS 480-474366/3-A	Lab Control Sample	Total/NA	Solid	6010C	474366
480-153653-2 MS	TP-02	TCLP	Solid	6010C	474366
480-153653-2 MSD	TP-02	TCLP	Solid	6010C	474366

General Chemistry

Analysis Batch: 473739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153653-1	TP-01A	Total/NA	Solid	Moisture	
480-153653-2	TP-02	Total/NA	Solid	Moisture	
480-153653-3	TP-03 COMP	Total/NA	Solid	Moisture	
480-153653-4	TP-04 COMP	Total/NA	Solid	Moisture	
480-153653-5	TP-07A	Total/NA	Solid	Moisture	
480-153653-6	SB-03	Total/NA	Solid	Moisture	
480-153653-7	FD-051619-01	Total/NA	Solid	Moisture	
480-153653-6 MS	SB-03	Total/NA	Solid	Moisture	
480-153653-6 MSD	SB-03	Total/NA	Solid	Moisture	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-01A

Lab Sample ID: 480-153653-1

Date Collected: 05/16/19 09:00

Matrix: Solid

Date Received: 05/16/19 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			474111	05/22/19 09:24	LMS	TAL BUF
TCLP	Analysis	8260C		10	474530	05/24/19 12:04	OMI	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	3510C			474584	05/24/19 10:21	JMP	TAL BUF
TCLP	Analysis	8270D		1	474973	05/29/19 00:18	PJQ	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	3510C			474583	05/24/19 10:18	JMP	TAL BUF
TCLP	Analysis	8081B		1	474860	05/28/19 13:23	JLS	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	8151A			474582	05/24/19 10:15	JMP	TAL BUF
TCLP	Analysis	8151A		1	475001	05/29/19 12:53	MAN	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	3010A			474366	05/23/19 10:10	EMB	TAL BUF
TCLP	Analysis	6010C		1	475550	05/30/19 14:22	LMH	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	7470A			474371	05/23/19 11:37	BMB	TAL BUF
TCLP	Analysis	7470A		1	474472	05/23/19 15:12	BMB	TAL BUF
Total/NA	Analysis	Moisture		1	473739	05/20/19 13:01	CDC	TAL BUF

Client Sample ID: TP-01A

Lab Sample ID: 480-153653-1

Date Collected: 05/16/19 09:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			473698	05/20/19 10:24	CDC	TAL BUF
Total/NA	Analysis	8260C		1	473646	05/20/19 14:26	CDC	TAL BUF
Total/NA	Prep	3550C			473984	05/21/19 15:13	SGD	TAL BUF
Total/NA	Analysis	8270D		50	474234	05/23/19 03:08	PJQ	TAL BUF
Total/NA	Prep	3550C			473820	05/21/19 06:35	SMP	TAL BUF
Total/NA	Analysis	8082A		1	474175	05/22/19 18:47	W1T	TAL BUF
Total/NA	Prep	3050B			473788	05/21/19 10:20	EMB	TAL BUF
Total/NA	Analysis	6010C		5	474339	05/22/19 20:07	AMH	TAL BUF
Total/NA	Prep	3050B			473788	05/21/19 10:20	EMB	TAL BUF
Total/NA	Analysis	6010C		10	474575	05/23/19 13:16	AMH	TAL BUF
Total/NA	Prep	3050B			473788	05/21/19 10:20	EMB	TAL BUF
Total/NA	Analysis	6010C		20	474739	05/24/19 14:11	AMH	TAL BUF
Total/NA	Prep	7471B			473760	05/21/19 15:23	BMB	TAL BUF
Total/NA	Analysis	7471B		1	474014	05/21/19 16:36	BMB	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-02

Lab Sample ID: 480-153653-2

Date Collected: 05/16/19 09:45

Matrix: Solid

Date Received: 05/16/19 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			474111	05/22/19 09:24	LMS	TAL BUF
TCLP	Analysis	8260C		10	474530	05/24/19 12:28	OMI	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	3510C			474584	05/24/19 10:21	JMP	TAL BUF
TCLP	Analysis	8270D		1	474973	05/29/19 00:44	PJQ	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	3510C			474583	05/24/19 10:18	JMP	TAL BUF
TCLP	Analysis	8081B		1	474860	05/28/19 13:42	JLS	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	8151A			474582	05/24/19 10:15	JMP	TAL BUF
TCLP	Analysis	8151A		1	475001	05/29/19 13:22	MAN	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	3010A			474366	05/23/19 10:10	EMB	TAL BUF
TCLP	Analysis	6010C		1	475550	05/30/19 14:26	LMH	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	7470A			474371	05/23/19 11:37	BMB	TAL BUF
TCLP	Analysis	7470A		1	474472	05/23/19 15:13	BMB	TAL BUF
Total/NA	Analysis	Moisture		1	473739	05/20/19 13:01	CDC	TAL BUF

Client Sample ID: TP-02

Lab Sample ID: 480-153653-2

Date Collected: 05/16/19 09:45

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 75.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			473698	05/20/19 10:24	CDC	TAL BUF
Total/NA	Analysis	8260C		1	473646	05/20/19 14:52	CDC	TAL BUF
Total/NA	Prep	3550C			473984	05/21/19 15:13	SGD	TAL BUF
Total/NA	Analysis	8270D		1	474234	05/23/19 03:32	PJQ	TAL BUF
Total/NA	Prep	3550C			473820	05/21/19 06:35	SMP	TAL BUF
Total/NA	Analysis	8082A		1	474175	05/22/19 19:00	W1T	TAL BUF
Total/NA	Prep	3050B			473788	05/21/19 10:20	EMB	TAL BUF
Total/NA	Analysis	6010C		1	474339	05/22/19 20:11	AMH	TAL BUF
Total/NA	Prep	3050B			473788	05/21/19 10:20	EMB	TAL BUF
Total/NA	Analysis	6010C		5	474575	05/23/19 13:20	AMH	TAL BUF
Total/NA	Prep	3050B			473788	05/21/19 10:20	EMB	TAL BUF
Total/NA	Analysis	6010C		10	474739	05/24/19 14:15	AMH	TAL BUF
Total/NA	Prep	7471B			473760	05/21/19 15:23	BMB	TAL BUF
Total/NA	Analysis	7471B		1	474014	05/21/19 16:37	BMB	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-03 COMP

Lab Sample ID: 480-153653-3

Date Collected: 05/16/19 10:00

Matrix: Solid

Date Received: 05/16/19 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			474111	05/22/19 09:24	LMS	TAL BUF
TCLP	Analysis	8260C		10	474530	05/24/19 12:51	OMI	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	3510C			474584	05/24/19 10:21	JMP	TAL BUF
TCLP	Analysis	8270D		1	474973	05/29/19 01:09	PJQ	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	3510C			474583	05/24/19 10:18	JMP	TAL BUF
TCLP	Analysis	8081B		1	474860	05/28/19 14:02	JLS	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	8151A			474582	05/24/19 10:15	JMP	TAL BUF
TCLP	Analysis	8151A		1	475001	05/29/19 14:10	MAN	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	3010A			474366	05/23/19 10:10	EMB	TAL BUF
TCLP	Analysis	6010C		1	475550	05/30/19 14:55	LMH	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	7470A			474371	05/23/19 11:37	BMB	TAL BUF
TCLP	Analysis	7470A		1	474472	05/23/19 15:19	BMB	TAL BUF
Total/NA	Analysis	Moisture		1	473739	05/20/19 13:01	CDC	TAL BUF

Client Sample ID: TP-03 COMP

Lab Sample ID: 480-153653-3

Date Collected: 05/16/19 10:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 65.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			473698	05/20/19 10:24	CDC	TAL BUF
Total/NA	Analysis	8260C		1	473646	05/20/19 15:18	CDC	TAL BUF
Total/NA	Prep	3550C			473984	05/21/19 15:13	SGD	TAL BUF
Total/NA	Analysis	8270D		1	474234	05/23/19 03:56	PJQ	TAL BUF
Total/NA	Prep	3550C			473820	05/21/19 06:35	SMP	TAL BUF
Total/NA	Analysis	8082A		1	474175	05/22/19 19:12	W1T	TAL BUF
Total/NA	Prep	3050B			473788	05/21/19 10:20	EMB	TAL BUF
Total/NA	Analysis	6010C		1	474339	05/22/19 20:15	AMH	TAL BUF
Total/NA	Prep	7471B			473760	05/21/19 15:23	BMB	TAL BUF
Total/NA	Analysis	7471B		1	474014	05/21/19 16:38	BMB	TAL BUF

Client Sample ID: TP-04 COMP

Lab Sample ID: 480-153653-4

Date Collected: 05/16/19 10:40

Matrix: Solid

Date Received: 05/16/19 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			474111	05/22/19 09:24	LMS	TAL BUF
TCLP	Analysis	8260C		10	474530	05/24/19 13:15	OMI	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	3510C			474584	05/24/19 10:21	JMP	TAL BUF
TCLP	Analysis	8270D		1	474973	05/29/19 01:35	PJQ	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-04 COMP

Lab Sample ID: 480-153653-4

Date Collected: 05/16/19 10:40

Matrix: Solid

Date Received: 05/16/19 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	3510C			474583	05/24/19 10:18	JMP	TAL BUF
TCLP	Analysis	8081B		1	474860	05/28/19 14:21	JLS	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	8151A			474582	05/24/19 10:15	JMP	TAL BUF
TCLP	Analysis	8151A		1	475001	05/29/19 15:10	MAN	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	3010A			474366	05/23/19 10:10	EMB	TAL BUF
TCLP	Analysis	6010C		1	475550	05/30/19 14:59	LMH	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	7470A			474371	05/23/19 11:37	BMB	TAL BUF
TCLP	Analysis	7470A		1	474472	05/23/19 15:20	BMB	TAL BUF
Total/NA	Analysis	Moisture		1	473739	05/20/19 13:01	CDC	TAL BUF

Client Sample ID: TP-04 COMP

Lab Sample ID: 480-153653-4

Date Collected: 05/16/19 10:40

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			473698	05/20/19 10:24	CDC	TAL BUF
Total/NA	Analysis	8260C		1	473646	05/20/19 15:43	CDC	TAL BUF
Total/NA	Prep	3550C			473984	05/21/19 15:13	SGD	TAL BUF
Total/NA	Analysis	8270D		20	474234	05/23/19 04:21	PJQ	TAL BUF
Total/NA	Prep	3550C			473820	05/21/19 06:35	SMP	TAL BUF
Total/NA	Analysis	8082A		1	474175	05/22/19 19:49	W1T	TAL BUF
Total/NA	Prep	3050B			473788	05/21/19 10:20	EMB	TAL BUF
Total/NA	Analysis	6010C		1	474339	05/22/19 20:19	AMH	TAL BUF
Total/NA	Prep	3050B			473788	05/21/19 10:20	EMB	TAL BUF
Total/NA	Analysis	6010C		2	474575	05/23/19 13:24	AMH	TAL BUF
Total/NA	Prep	7471B			473760	05/21/19 15:23	BMB	TAL BUF
Total/NA	Analysis	7471B		1	474014	05/21/19 16:42	BMB	TAL BUF

Client Sample ID: TP-07A

Lab Sample ID: 480-153653-5

Date Collected: 05/16/19 12:00

Matrix: Solid

Date Received: 05/16/19 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			474111	05/22/19 09:24	LMS	TAL BUF
TCLP	Analysis	8260C		10	474530	05/24/19 13:39	OMI	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	3510C			474584	05/24/19 10:21	JMP	TAL BUF
TCLP	Analysis	8270D		1	474973	05/29/19 02:00	PJQ	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	3510C			474583	05/24/19 10:18	JMP	TAL BUF
TCLP	Analysis	8081B		1	474860	05/28/19 14:41	JLS	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: TP-07A

Lab Sample ID: 480-153653-5

Date Collected: 05/16/19 12:00

Matrix: Solid

Date Received: 05/16/19 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	8151A			474582	05/24/19 10:15	JMP	TAL BUF
TCLP	Analysis	8151A		1	475001	05/29/19 15:39	MAN	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	3010A			474366	05/23/19 10:10	EMB	TAL BUF
TCLP	Analysis	6010C		1	475550	05/30/19 15:03	LMH	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	7470A			474371	05/23/19 11:37	BMB	TAL BUF
TCLP	Analysis	7470A		1	474472	05/23/19 15:24	BMB	TAL BUF
Total/NA	Analysis	Moisture		1	473739	05/20/19 13:01	CDC	TAL BUF

Client Sample ID: TP-07A

Lab Sample ID: 480-153653-5

Date Collected: 05/16/19 12:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			473698	05/20/19 10:24	CDC	TAL BUF
Total/NA	Analysis	8260C		1	473646	05/20/19 16:10	CDC	TAL BUF
Total/NA	Prep	3550C			473984	05/21/19 15:13	SGD	TAL BUF
Total/NA	Analysis	8270D		5	474234	05/23/19 04:45	PJQ	TAL BUF
Total/NA	Prep	3550C			473820	05/21/19 06:35	SMP	TAL BUF
Total/NA	Analysis	8082A		1	474175	05/22/19 20:02	W1T	TAL BUF
Total/NA	Prep	3050B			473788	05/21/19 10:20	EMB	TAL BUF
Total/NA	Analysis	6010C		1	474339	05/22/19 20:23	AMH	TAL BUF
Total/NA	Prep	7471B			473760	05/21/19 15:23	BMB	TAL BUF
Total/NA	Analysis	7471B		1	474014	05/21/19 16:43	BMB	TAL BUF

Client Sample ID: SB-03

Lab Sample ID: 480-153653-6

Date Collected: 05/16/19 10:00

Matrix: Solid

Date Received: 05/16/19 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			474111	05/22/19 09:24	LMS	TAL BUF
TCLP	Analysis	8260C		10	474530	05/24/19 14:27	OMI	TAL BUF
TCLP	Leach	1311			474415	05/23/19 13:11	LMS	TAL BUF
TCLP	Prep	3510C			474584	05/24/19 10:21	JMP	TAL BUF
TCLP	Analysis	8270D		1	474973	05/28/19 22:35	PJQ	TAL BUF
TCLP	Leach	1311			474415	05/23/19 13:11	LMS	TAL BUF
TCLP	Prep	3510C			474583	05/24/19 10:18	JMP	TAL BUF
TCLP	Analysis	8081B		1	474860	05/28/19 12:24	JLS	TAL BUF
TCLP	Leach	1311			474415	05/23/19 13:11	LMS	TAL BUF
TCLP	Prep	8151A			474582	05/24/19 10:15	JMP	TAL BUF
TCLP	Analysis	8151A		1	475001	05/29/19 11:24	MAN	TAL BUF
TCLP	Leach	1311			474415	05/23/19 13:11	LMS	TAL BUF
TCLP	Prep	3010A			474579	05/24/19 10:19	EMB	TAL BUF
TCLP	Analysis	6010C		1	474808	05/25/19 18:22	AMH	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: SB-03

Lab Sample ID: 480-153653-6

Date Collected: 05/16/19 10:00

Matrix: Solid

Date Received: 05/16/19 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			474415	05/23/19 13:11	LMS	TAL BUF
TCLP	Prep	7470A			474609	05/24/19 11:42	BMB	TAL BUF
TCLP	Analysis	7470A		1	474669	05/24/19 15:18	BMB	TAL BUF
Total/NA	Analysis	Moisture		1	473739	05/20/19 13:01	CDC	TAL BUF

Client Sample ID: SB-03

Lab Sample ID: 480-153653-6

Date Collected: 05/16/19 10:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 69.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			473698	05/20/19 10:24	CDC	TAL BUF
Total/NA	Analysis	8260C		1	473646	05/20/19 16:36	CDC	TAL BUF
Total/NA	Prep	3550C			473984	05/21/19 15:13	SGD	TAL BUF
Total/NA	Analysis	8270D		5	474234	05/23/19 01:55	PJQ	TAL BUF
Total/NA	Prep	3550C			473820	05/21/19 06:35	SMP	TAL BUF
Total/NA	Analysis	8082A		1	474175	05/22/19 17:57	W1T	TAL BUF
Total/NA	Prep	3050B			473788	05/21/19 10:20	EMB	TAL BUF
Total/NA	Analysis	6010C		1	474339	05/22/19 20:38	AMH	TAL BUF
Total/NA	Prep	3050B			473788	05/21/19 10:20	EMB	TAL BUF
Total/NA	Analysis	6010C		5	474575	05/23/19 13:27	AMH	TAL BUF
Total/NA	Prep	7471B			473760	05/21/19 15:23	BMB	TAL BUF
Total/NA	Analysis	7471B		1	474014	05/21/19 16:44	BMB	TAL BUF

Client Sample ID: FD-051619-01

Lab Sample ID: 480-153653-7

Date Collected: 05/16/19 00:00

Matrix: Solid

Date Received: 05/16/19 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			474111	05/22/19 09:24	LMS	TAL BUF
TCLP	Analysis	8260C		10	474530	05/24/19 14:03	OMI	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	3510C			474584	05/24/19 10:21	JMP	TAL BUF
TCLP	Analysis	8270D		1	474973	05/29/19 02:25	PJQ	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	3510C			474583	05/24/19 10:18	JMP	TAL BUF
TCLP	Analysis	8081B		1	474860	05/28/19 15:01	JLS	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	8151A			474582	05/24/19 10:15	JMP	TAL BUF
TCLP	Analysis	8151A		1	475001	05/29/19 16:09	MAN	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	3010A			474366	05/23/19 10:10	EMB	TAL BUF
TCLP	Analysis	6010C		1	475550	05/30/19 15:07	LMH	TAL BUF
TCLP	Leach	1311			474106	05/22/19 09:21	LMS	TAL BUF
TCLP	Prep	7470A			474371	05/23/19 11:37	BMB	TAL BUF
TCLP	Analysis	7470A		1	474472	05/23/19 15:25	BMB	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Client Sample ID: FD-051619-01

Lab Sample ID: 480-153653-7

Date Collected: 05/16/19 00:00

Matrix: Solid

Date Received: 05/16/19 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	473739	05/20/19 13:01	CDC	TAL BUF

Client Sample ID: FD-051619-01

Lab Sample ID: 480-153653-7

Date Collected: 05/16/19 00:00

Matrix: Solid

Date Received: 05/16/19 15:30

Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			473698	05/20/19 10:24	CDC	TAL BUF
Total/NA	Analysis	8260C		1	473646	05/20/19 17:02	CDC	TAL BUF
Total/NA	Prep	3550C			473984	05/21/19 15:13	SGD	TAL BUF
Total/NA	Analysis	8270D		10	474234	05/23/19 05:09	PJQ	TAL BUF
Total/NA	Prep	3550C			473820	05/21/19 06:35	SMP	TAL BUF
Total/NA	Analysis	8082A		1	474175	05/22/19 20:14	W1T	TAL BUF
Total/NA	Prep	3050B			473788	05/21/19 10:20	EMB	TAL BUF
Total/NA	Analysis	6010C		1	474339	05/22/19 20:57	AMH	TAL BUF
Total/NA	Prep	7471B			473760	05/21/19 15:23	BMB	TAL BUF
Total/NA	Analysis	7471B		1	474014	05/21/19 16:49	BMB	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
1311	TCLP Extraction	SW846	TAL BUF
3010A	Preparation, Total Metals	SW846	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-153653-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-153653-1	TP-01A	Solid	05/16/19 09:00	05/16/19 15:30	
480-153653-2	TP-02	Solid	05/16/19 09:45	05/16/19 15:30	
480-153653-3	TP-03 COMP	Solid	05/16/19 10:00	05/16/19 15:30	
480-153653-4	TP-04 COMP	Solid	05/16/19 10:40	05/16/19 15:30	
480-153653-5	TP-07A	Solid	05/16/19 12:00	05/16/19 15:30	
480-153653-6	SB-03	Solid	05/16/19 10:00	05/16/19 15:30	
480-153653-7	FD-051619-01	Solid	05/16/19 00:00	05/16/19 15:30	

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact		Company Name: GES		Address: 415 Lawrence Bell		City/State/Zip: Williamsburg VA 23187		Phone: 804-699-1171		Fax: 804-699-1171		Project Name: Morgan Materials		Site: 380 Muten		PO # 136307					
Project Manager: Edm Palmer		Tel/Fax:		Analysis Turnaround Time		CALENDAR DAYS		WORKING DAYS		TAT if different from Below		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		Matrix		# of Cont.	
Site Contact: Offsite J.		Date: 5/16/19		Carrier:		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day	
Lab Contact: MS/MSD		Date: 5/16/19		Carrier:		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day	
COC No: 1		Date: 5/16/19		Carrier:		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day	
SAMPLER:		Date: 5/16/19		Carrier:		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day	
For Lab Use Only:		Date: 5/16/19		Carrier:		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day	
Walk-in Client:		Date: 5/16/19		Carrier:		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day	
Lab Sampling:		Date: 5/16/19		Carrier:		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day	
Job / SDG No.: 480153653		Date: 5/16/19		Carrier:		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day	
Sample Specific Notes:		Date: 5/16/19		Carrier:		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day	
480-153653 Chain of Custody		Date: 5/16/19		Carrier:		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day	
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Date: 5/16/19		Carrier:		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day	
Possible Hazard Identification:		Date: 5/16/19		Carrier:		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day	
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.		Date: 5/16/19		Carrier:		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day	
Special Instructions/QC Requirements & Comments:		Date: 5/16/19		Carrier:		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day	
Custody Seal No.: 5/16/19 1500		Date: 5/16/19		Carrier:		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day	
Relinquished by: John Z...		Date: 5/16/19		Carrier:		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day	
Relinquished by: John Z...		Date: 5/16/19		Carrier:		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day	
Relinquished by: John Z...		Date: 5/16/19		Carrier:		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day		☐ 2 weeks		☐ 1 week		☐ 2 days		☐ 1 day	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-153653-1

Login Number: 153653

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	QC VOLUME RECEIVED THAT WAS NOT REQUESTED ON COC
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

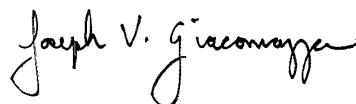
Laboratory Job ID: 480-155026-1

Client Project/Site: Morgan Materials #915307

For:

New York State D.E.C.
270 Michigan Avenue
Buffalo, New York 14203

Attn: Damianos Skaros



Authorized for release by:
7/30/2019 3:15:08 PM

Joe Giacomazza, Project Management Assistant II
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Designee for

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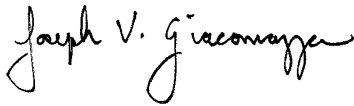
www.testamericainc.com

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
7/30/2019 3:15:08 PM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

LCMS

Qualifier	Qualifier Description
*	Isotope Dilution analyte is outside acceptance limits.
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Job ID: 480-155026-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-155026-1

Comments

No additional comments.

Receipt

The samples were received on 6/14/2019 11:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 1.6° C, 2.2° C, 2.7° C and 3.2° C.

Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria: MW-2 (480-155026-1), MW-2 (480-155026-1[MS]), MW-2 (480-155026-1[MSD]), MW-1 (480-155026-2), MW-3 (480-155026-4) and DUP (480-155026-6). The client was contacted regarding this issue, and the laboratory was instructed to proceed with analysis.

Received in nashville with water only. containers affected U, V, W for samples 1, 1ms, 1msd, 2, 6. containers I, J, K for sample 4

GC/MS VOA

Method(s) 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-2 (480-155026-1), MW-2 (480-155026-1[MS]), MW-2 (480-155026-1[MSD]) and DUP (480-155026-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260B SIM: The following sample was analyzed outside of analytical holding time due to instrument failure. : DUP (480-155026-6).

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

GC/MS Semi VOA

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-479803 recovered above the upper control limit for 4-Nitrophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: MW-2 (480-155026-1).

Method(s) 8270D: The laboratory control sample (LCS) for preparation batch 480-478404 and analytical batch 480-479803 recovered outside control limits for the following analytes: 4-Nitrophenol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following sample is impacted: MW-2 (480-155026-1).

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-479803 recovered outside acceptance criteria, low biased, for Carbazole. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following sample is impacted: MW-2 (480-155026-1).

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-479920 recovered outside acceptance criteria, low biased, for Bis(2-chloroethyl)ether. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: MW-1 (480-155026-2), MW-3 (480-155026-4) and DUP (480-155026-6).

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-479920 recovered above the upper control limit for 4-Nitrophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-1 (480-155026-2), MW-3 (480-155026-4) and DUP (480-155026-6).

Method(s) 8270D: The laboratory control sample (LCS) for preparation batch 480-478404 and analytical batch 480-479920 recovered outside control limits for the following analytes: 4-Nitrophenol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: MW-1 (480-155026-2), MW-3 (480-155026-4) and DUP (480-155026-6).

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

Case Narrative

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Job ID: 480-155026-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

GC Semi VOA

Method(s) 8151A: The continuing calibration verification (CCV) associated with batch 480-478782 recovered above the upper control limit for 2,4-D. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-2 (480-155026-1), MW-1 (480-155026-5) and DUP (480-155026-6).

Method(s) 8081B: All primary data for analytical batch 478492 is reported from the RTX-CLPI column.

Method(s) 8082A: All primary data for analytical batch 479004 is reported from the ZB-35 column.

Method(s) 8082A: The continuing calibration verifications (CCV 480-479004/6), (CCV 480-479004/7) and (480-479004/8) associated with analytical batch 479004 recovered above the upper control limit for PCB-1221, PCB-1232 and PCB-1242. The samples associated with these CCV's were non-detect for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-2 (480-155026-1), MW-1 (480-155026-2) and DUP (480-155026-6).

Method(s) 8151A: All primary data for analytical batch 478782 is reported from the RTX-CLPI column.

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

Metals

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

LCMS

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

Organic Prep

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

VOA Prep

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

Detection Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: MW-2

Lab Sample ID: 480-155026-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	15	J	20	6.0	ug/L	2		8260C	Total/NA
Methyl tert-butyl ether	0.33	J	2.0	0.32	ug/L	2		8260C	Total/NA
4-Methylphenol	12		10	0.36	ug/L	1		8270D	Total/NA
Fluorene	0.38	J B	5.0	0.36	ug/L	1		8270D	Total/NA
Phenanthrene	1.7	J B	5.0	0.44	ug/L	1		8270D	Total/NA
Perfluoropentanoic acid (PFPeA)	65		9.0	2.8	ng/L	5		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	200		9.0	3.4	ng/L	5		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	160	I	9.0	4.1	ng/L	5		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	9000		45	14	ng/L	25		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	76		9.0	1.2	ng/L	5		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	4.7	J	9.0	2.2	ng/L	5		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	27		9.0	2.7	ng/L	5		537 (modified)	Total/NA
Aluminum	0.15	J	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.072		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	78.4		0.50	0.10	mg/L	1		6010C	Total/NA
Cobalt	0.0011	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.0040	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.68		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	35.6	B	0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.89		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.015		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	4.0		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	39.5		1.0	0.32	mg/L	1		6010C	Total/NA

Client Sample ID: MW-1

Lab Sample ID: 480-155026-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diethyl phthalate	0.56	J	5.0	0.22	ug/L	1		8270D	Total/NA
Fluorene	0.39	J B	5.0	0.36	ug/L	1		8270D	Total/NA
Phenanthrene	1.6	J B	5.0	0.44	ug/L	1		8270D	Total/NA
Barium	0.030		0.0020	0.00070	mg/L	1		6010C	Total/NA
Cadmium	0.00053	J	0.0020	0.00050	mg/L	1		6010C	Total/NA
Calcium	149		0.50	0.10	mg/L	1		6010C	Total/NA
Cobalt	0.0042		0.0040	0.00063	mg/L	1		6010C	Total/NA
Iron	0.095		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	426	B	0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.44		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0041	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	16.7		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	174		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.038		0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-155026-3

No Detections.

Client Sample ID: MW-3

Lab Sample ID: 480-155026-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	160		10	3.0	ug/L	1		8260C	Total/NA
4-Methylphenol	0.41	J	10	0.36	ug/L	1		8270D	Total/NA
Fluorene	0.37	J B	5.0	0.36	ug/L	1		8270D	Total/NA
Phenanthrene	1.7	J B	5.0	0.44	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: MW-3 (Continued)

Lab Sample ID: 480-155026-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Aluminum	0.094	J	0.20	0.060	mg/L	1			6010C	Total/NA
Barium	0.027		0.0020	0.00070	mg/L	1			6010C	Total/NA
Calcium	426		0.50	0.10	mg/L	1			6010C	Total/NA
Cobalt	0.018		0.0040	0.00063	mg/L	1			6010C	Total/NA
Iron	0.16		0.050	0.019	mg/L	1			6010C	Total/NA
Magnesium	1760	B	1.0	0.22	mg/L	5			6010C	Total/NA
Manganese	1.4		0.0030	0.00040	mg/L	1			6010C	Total/NA
Nickel	0.018		0.010	0.0013	mg/L	1			6010C	Total/NA
Potassium	22.5		0.50	0.10	mg/L	1			6010C	Total/NA
Sodium	555		1.0	0.32	mg/L	1			6010C	Total/NA
Zinc	0.030		0.010	0.0015	mg/L	1			6010C	Total/NA

Client Sample ID: MW-1

Lab Sample ID: 480-155026-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	78		8.7	4.4	ng/L	5			537 (modified)	Total/NA

Client Sample ID: DUP

Lab Sample ID: 480-155026-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acetone	18	J	20	6.0	ug/L	2			8260C	Total/NA
4-Methylphenol	9.6	J	10	0.36	ug/L	1			8270D	Total/NA
Fluorene	0.41	J B	5.0	0.36	ug/L	1			8270D	Total/NA
Phenanthrene	1.8	J B	5.0	0.44	ug/L	1			8270D	Total/NA
Aluminum	0.73		0.20	0.060	mg/L	1			6010C	Total/NA
Barium	0.069		0.0020	0.00070	mg/L	1			6010C	Total/NA
Calcium	70.8		0.50	0.10	mg/L	1			6010C	Total/NA
Chromium	0.0013	J	0.0040	0.0010	mg/L	1			6010C	Total/NA
Cobalt	0.0012	J	0.0040	0.00063	mg/L	1			6010C	Total/NA
Copper	0.0046	J	0.010	0.0016	mg/L	1			6010C	Total/NA
Iron	1.2		0.050	0.019	mg/L	1			6010C	Total/NA
Magnesium	34.6	B	0.20	0.043	mg/L	1			6010C	Total/NA
Manganese	0.65		0.0030	0.00040	mg/L	1			6010C	Total/NA
Nickel	0.014		0.010	0.0013	mg/L	1			6010C	Total/NA
Potassium	4.0		0.50	0.10	mg/L	1			6010C	Total/NA
Sodium	61.5		1.0	0.32	mg/L	1			6010C	Total/NA
Vanadium	0.0019	J	0.0050	0.0015	mg/L	1			6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: MW-2

Lab Sample ID: 480-155026-1

Date Collected: 06/12/19 10:12

Matrix: Water

Date Received: 06/14/19 11:45

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.050	0.0058	ug/L			06/25/19 14:59	1
1,2-Dichloroethane	ND		0.050	0.0050	ug/L			06/25/19 14:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130					06/25/19 14:59	1
4-Bromofluorobenzene (Surr)	98		70 - 130					06/25/19 14:59	1
Dibromofluoromethane (Surr)	101		70 - 130					06/25/19 14:59	1
Toluene-d8 (Surr)	97		70 - 130					06/25/19 14:59	1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			06/19/19 12:11	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			06/19/19 12:11	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			06/19/19 12:11	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			06/19/19 12:11	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			06/19/19 12:11	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			06/19/19 12:11	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			06/19/19 12:11	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			06/19/19 12:11	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			06/19/19 12:11	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			06/19/19 12:11	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			06/19/19 12:11	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			06/19/19 12:11	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			06/19/19 12:11	2
2-Butanone (MEK)	ND		20	2.6	ug/L			06/19/19 12:11	2
2-Hexanone	ND		10	2.5	ug/L			06/19/19 12:11	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			06/19/19 12:11	2
Acetone	15 J		20	6.0	ug/L			06/19/19 12:11	2
Benzene	ND		2.0	0.82	ug/L			06/19/19 12:11	2
Bromodichloromethane	ND		2.0	0.78	ug/L			06/19/19 12:11	2
Bromoform	ND		2.0	0.52	ug/L			06/19/19 12:11	2
Bromomethane	ND		2.0	1.4	ug/L			06/19/19 12:11	2
Carbon disulfide	ND		2.0	0.38	ug/L			06/19/19 12:11	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			06/19/19 12:11	2
Chlorobenzene	ND		2.0	1.5	ug/L			06/19/19 12:11	2
Chloroethane	ND		2.0	0.64	ug/L			06/19/19 12:11	2
Chloroform	ND		2.0	0.68	ug/L			06/19/19 12:11	2
Chloromethane	ND		2.0	0.70	ug/L			06/19/19 12:11	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			06/19/19 12:11	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			06/19/19 12:11	2
Cyclohexane	ND		2.0	0.36	ug/L			06/19/19 12:11	2
Dibromochloromethane	ND		2.0	0.64	ug/L			06/19/19 12:11	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			06/19/19 12:11	2
Ethylbenzene	ND		2.0	1.5	ug/L			06/19/19 12:11	2
Ethylene Dibromide	ND		2.0	1.5	ug/L			06/19/19 12:11	2
Isopropylbenzene	ND		2.0	1.6	ug/L			06/19/19 12:11	2
Methyl acetate	ND		5.0	2.6	ug/L			06/19/19 12:11	2
Methyl tert-butyl ether	0.33 J		2.0	0.32	ug/L			06/19/19 12:11	2
Methylcyclohexane	ND		2.0	0.32	ug/L			06/19/19 12:11	2
Methylene Chloride	ND		2.0	0.88	ug/L			06/19/19 12:11	2

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: MW-2

Lab Sample ID: 480-155026-1

Date Collected: 06/12/19 10:12

Matrix: Water

Date Received: 06/14/19 11:45

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	1.5	ug/L			06/19/19 12:11	2
Tetrachloroethene	ND		2.0	0.72	ug/L			06/19/19 12:11	2
Toluene	ND		2.0	1.0	ug/L			06/19/19 12:11	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			06/19/19 12:11	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			06/19/19 12:11	2
Trichloroethene	ND		2.0	0.92	ug/L			06/19/19 12:11	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			06/19/19 12:11	2
Vinyl chloride	ND		2.0	1.8	ug/L			06/19/19 12:11	2
Xylenes, Total	ND		4.0	1.3	ug/L			06/19/19 12:11	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		06/19/19 12:11	2
4-Bromofluorobenzene (Surr)	88		73 - 120		06/19/19 12:11	2
Dibromofluoromethane (Surr)	98		75 - 123		06/19/19 12:11	2
Toluene-d8 (Surr)	96		80 - 120		06/19/19 12:11	2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		06/18/19 15:18	06/27/19 15:11	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		06/18/19 15:18	06/27/19 15:11	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		06/18/19 15:18	06/27/19 15:11	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		06/18/19 15:18	06/27/19 15:11	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		06/18/19 15:18	06/27/19 15:11	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		06/18/19 15:18	06/27/19 15:11	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		06/18/19 15:18	06/27/19 15:11	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		06/18/19 15:18	06/27/19 15:11	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 15:11	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		06/18/19 15:18	06/27/19 15:11	1
2-Chlorophenol	ND		5.0	0.53	ug/L		06/18/19 15:18	06/27/19 15:11	1
2-Methylphenol	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 15:11	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		06/18/19 15:18	06/27/19 15:11	1
2-Nitroaniline	ND		10	0.42	ug/L		06/18/19 15:18	06/27/19 15:11	1
2-Nitrophenol	ND		5.0	0.48	ug/L		06/18/19 15:18	06/27/19 15:11	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 15:11	1
3-Nitroaniline	ND		10	0.48	ug/L		06/18/19 15:18	06/27/19 15:11	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		06/18/19 15:18	06/27/19 15:11	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		06/18/19 15:18	06/27/19 15:11	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		06/18/19 15:18	06/27/19 15:11	1
4-Chloroaniline	ND		5.0	0.59	ug/L		06/18/19 15:18	06/27/19 15:11	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		06/18/19 15:18	06/27/19 15:11	1
4-Methylphenol	12		10	0.36	ug/L		06/18/19 15:18	06/27/19 15:11	1
4-Nitroaniline	ND		10	0.25	ug/L		06/18/19 15:18	06/27/19 15:11	1
4-Nitrophenol	ND *		10	1.5	ug/L		06/18/19 15:18	06/27/19 15:11	1
Acenaphthene	ND		5.0	0.41	ug/L		06/18/19 15:18	06/27/19 15:11	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/18/19 15:18	06/27/19 15:11	1
Acetophenone	ND		5.0	0.54	ug/L		06/18/19 15:18	06/27/19 15:11	1
Anthracene	ND		5.0	0.28	ug/L		06/18/19 15:18	06/27/19 15:11	1
Atrazine	ND		5.0	0.46	ug/L		06/18/19 15:18	06/27/19 15:11	1
Benzaldehyde	ND		5.0	0.27	ug/L		06/18/19 15:18	06/27/19 15:11	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		06/18/19 15:18	06/27/19 15:11	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: MW-2

Lab Sample ID: 480-155026-1

Date Collected: 06/12/19 10:12

Matrix: Water

Date Received: 06/14/19 11:45

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		5.0	0.47	ug/L		06/18/19 15:18	06/27/19 15:11	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		06/18/19 15:18	06/27/19 15:11	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		06/18/19 15:18	06/27/19 15:11	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		06/18/19 15:18	06/27/19 15:11	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		06/18/19 15:18	06/27/19 15:11	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 15:11	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		06/18/19 15:18	06/27/19 15:11	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		06/18/19 15:18	06/27/19 15:11	1
Caprolactam	ND		5.0	2.2	ug/L		06/18/19 15:18	06/27/19 15:11	1
Carbazole	ND		5.0	0.30	ug/L		06/18/19 15:18	06/27/19 15:11	1
Chrysene	ND		5.0	0.33	ug/L		06/18/19 15:18	06/27/19 15:11	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/18/19 15:18	06/27/19 15:11	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		06/18/19 15:18	06/27/19 15:11	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		06/18/19 15:18	06/27/19 15:11	1
Dibenzofuran	ND		10	0.51	ug/L		06/18/19 15:18	06/27/19 15:11	1
Diethyl phthalate	ND		5.0	0.22	ug/L		06/18/19 15:18	06/27/19 15:11	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		06/18/19 15:18	06/27/19 15:11	1
Fluoranthene	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 15:11	1
Fluorene	0.38	J B	5.0	0.36	ug/L		06/18/19 15:18	06/27/19 15:11	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		06/18/19 15:18	06/27/19 15:11	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		06/18/19 15:18	06/27/19 15:11	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		06/18/19 15:18	06/27/19 15:11	1
Hexachloroethane	ND		5.0	0.59	ug/L		06/18/19 15:18	06/27/19 15:11	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		06/18/19 15:18	06/27/19 15:11	1
Isophorone	ND		5.0	0.43	ug/L		06/18/19 15:18	06/27/19 15:11	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		06/18/19 15:18	06/27/19 15:11	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		06/18/19 15:18	06/27/19 15:11	1
Naphthalene	ND		5.0	0.76	ug/L		06/18/19 15:18	06/27/19 15:11	1
Nitrobenzene	ND		5.0	0.29	ug/L		06/18/19 15:18	06/27/19 15:11	1
Pentachlorophenol	ND		10	2.2	ug/L		06/18/19 15:18	06/27/19 15:11	1
Phenanthrene	1.7	J B	5.0	0.44	ug/L		06/18/19 15:18	06/27/19 15:11	1
Phenol	ND		5.0	0.39	ug/L		06/18/19 15:18	06/27/19 15:11	1
Pyrene	ND		5.0	0.34	ug/L		06/18/19 15:18	06/27/19 15:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	83		46 - 120	06/18/19 15:18	06/27/19 15:11	1
Phenol-d5 (Surr)	42		22 - 120	06/18/19 15:18	06/27/19 15:11	1
p-Terphenyl-d14 (Surr)	81		59 - 136	06/18/19 15:18	06/27/19 15:11	1
2,4,6-Tribromophenol (Surr)	112		41 - 120	06/18/19 15:18	06/27/19 15:11	1
2-Fluorobiphenyl	95		48 - 120	06/18/19 15:18	06/27/19 15:11	1
2-Fluorophenol (Surr)	60		35 - 120	06/18/19 15:18	06/27/19 15:11	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.50	0.29	ug/L		06/18/19 15:12	06/19/19 11:53	1
Endrin	ND		0.050	0.014	ug/L		06/18/19 15:12	06/19/19 11:53	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		06/18/19 15:12	06/19/19 11:53	1
Heptachlor	ND		0.050	0.0085	ug/L		06/18/19 15:12	06/19/19 11:53	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		06/18/19 15:12	06/19/19 11:53	1
Methoxychlor	ND		0.050	0.014	ug/L		06/18/19 15:12	06/19/19 11:53	1

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Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: MW-2

Lab Sample ID: 480-155026-1

Date Collected: 06/12/19 10:12

Matrix: Water

Date Received: 06/14/19 11:45

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		0.50	0.12	ug/L		06/18/19 15:12	06/19/19 11:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	56		20 - 120				06/18/19 15:12	06/19/19 11:53	1
DCB Decachlorobiphenyl	58		20 - 120				06/18/19 15:12	06/19/19 11:53	1
Tetrachloro-m-xylene	86		44 - 120				06/18/19 15:12	06/19/19 11:53	1
Tetrachloro-m-xylene	79		44 - 120				06/18/19 15:12	06/19/19 11:53	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		06/20/19 15:24	06/21/19 19:00	1
PCB-1221	ND		0.50	0.18	ug/L		06/20/19 15:24	06/21/19 19:00	1
PCB-1232	ND		0.50	0.18	ug/L		06/20/19 15:24	06/21/19 19:00	1
PCB-1242	ND		0.50	0.18	ug/L		06/20/19 15:24	06/21/19 19:00	1
PCB-1248	ND		0.50	0.18	ug/L		06/20/19 15:24	06/21/19 19:00	1
PCB-1254	ND		0.50	0.25	ug/L		06/20/19 15:24	06/21/19 19:00	1
PCB-1260	ND		0.50	0.25	ug/L		06/20/19 15:24	06/21/19 19:00	1
PCB-1262	ND		0.50	0.25	ug/L		06/20/19 15:24	06/21/19 19:00	1
PCB-1268	ND		0.50	0.25	ug/L		06/20/19 15:24	06/21/19 19:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	98		39 - 121				06/20/19 15:24	06/21/19 19:00	1
Tetrachloro-m-xylene	76		39 - 121				06/20/19 15:24	06/21/19 19:00	1
DCB Decachlorobiphenyl	77		19 - 120				06/20/19 15:24	06/21/19 19:00	1
DCB Decachlorobiphenyl	64		19 - 120				06/20/19 15:24	06/21/19 19:00	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.48	0.048	ug/L		06/19/19 08:02	06/20/19 13:50	1
2,4-D	ND		0.48	0.16	ug/L		06/19/19 08:02	06/20/19 13:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	51		48 - 132				06/19/19 08:02	06/20/19 13:50	1
2,4-Dichlorophenylacetic acid	61		48 - 132				06/19/19 08:02	06/20/19 13:50	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		9.0	4.5	ng/L		06/20/19 08:13	06/25/19 17:33	5
Perfluoropentanoic acid (PFPeA)	65		9.0	2.8	ng/L		06/20/19 08:13	06/25/19 17:33	5
Perfluorohexanoic acid (PFHxA)	200		9.0	3.4	ng/L		06/20/19 08:13	06/25/19 17:33	5
Perfluoroheptanoic acid (PFHpA)	160	I	9.0	4.1	ng/L		06/20/19 08:13	06/25/19 17:33	5
Perfluorooctanoic acid (PFOA)	9000		45	14	ng/L		06/20/19 08:13	07/01/19 02:37	25
Perfluorononanoic acid (PFNA)	76		9.0	1.2	ng/L		06/20/19 08:13	06/25/19 17:33	5
Perfluorodecanoic acid (PFDA)	ND		9.0	3.5	ng/L		06/20/19 08:13	06/25/19 17:33	5
Perfluoroundecanoic acid (PFUnA)	ND		9.0	2.4	ng/L		06/20/19 08:13	06/25/19 17:33	5
Perfluorododecanoic acid (PFDoA)	ND		9.0	2.7	ng/L		06/20/19 08:13	06/25/19 17:33	5
Perfluorotridecanoic acid (PFTriA)	ND		9.0	2.7	ng/L		06/20/19 08:13	06/25/19 17:33	5
Perfluorotetradecanoic acid (PFTeA)	ND		9.0	4.1	ng/L		06/20/19 08:13	06/25/19 17:33	5
Perfluorobutanesulfonic acid (PFBS)	4.7	J	9.0	2.2	ng/L		06/20/19 08:13	06/25/19 17:33	5
Perfluorohexanesulfonic acid (PFHxS)	ND	I	9.0	3.6	ng/L		06/20/19 08:13	06/25/19 17:33	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: MW-2

Lab Sample ID: 480-155026-1

Date Collected: 06/12/19 10:12

Matrix: Water

Date Received: 06/14/19 11:45

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic Acid (PFHpS)	ND		9.0	4.3	ng/L		06/20/19 08:13	06/25/19 17:33	5
Perfluorooctanesulfonic acid (PFOS)	27		9.0	2.7	ng/L		06/20/19 08:13	06/25/19 17:33	5
Perfluorodecanesulfonic acid (PFDS)	ND		9.0	4.0	ng/L		06/20/19 08:13	06/25/19 17:33	5
Perfluorooctanesulfonamide (PFOSA)	ND		45	45	ng/L		06/20/19 08:13	06/25/19 17:33	5
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		90	7.6	ng/L		06/20/19 08:13	06/25/19 17:33	5
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		90	6.7	ng/L		06/20/19 08:13	06/25/19 17:33	5
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		90	21	ng/L		06/20/19 08:13	06/25/19 17:33	5
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		90	13	ng/L		06/20/19 08:13	06/25/19 17:33	5
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	228	*	50 - 150				06/20/19 08:13	06/25/19 17:33	5
13C4 PFHpA	75		50 - 150				06/20/19 08:13	06/25/19 17:33	5
13C4 PFOA	59		50 - 150				06/20/19 08:13	07/01/19 02:37	25
13C4 PFOS	141		50 - 150				06/20/19 08:13	06/25/19 17:33	5
13C5 PFNA	96		50 - 150				06/20/19 08:13	06/25/19 17:33	5
13C4 PFBA	149		25 - 150				06/20/19 08:13	06/25/19 17:33	5
13C2 PFHxA	87		50 - 150				06/20/19 08:13	06/25/19 17:33	5
13C2 PFDA	100		50 - 150				06/20/19 08:13	06/25/19 17:33	5
13C2 PFUnA	106		50 - 150				06/20/19 08:13	06/25/19 17:33	5
13C2 PFDoA	88		50 - 150				06/20/19 08:13	06/25/19 17:33	5
13C8 FOSA	122		25 - 150				06/20/19 08:13	06/25/19 17:33	5
13C5 PFPeA	122		25 - 150				06/20/19 08:13	06/25/19 17:33	5
13C2 PFTeDA	83		50 - 150				06/20/19 08:13	06/25/19 17:33	5
d3-NMeFOSAA	101		50 - 150				06/20/19 08:13	06/25/19 17:33	5
d5-NEtFOSAA	118		50 - 150				06/20/19 08:13	06/25/19 17:33	5
M2-6:2 FTS	152	*	25 - 150				06/20/19 08:13	06/25/19 17:33	5
M2-8:2 FTS	124		25 - 150				06/20/19 08:13	06/25/19 17:33	5
13C3 PFBS	196	*	50 - 150				06/20/19 08:13	06/25/19 17:33	5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.15	J	0.20	0.060	mg/L		06/19/19 08:07	06/20/19 20:04	1
Antimony	ND		0.020	0.0068	mg/L		06/19/19 08:07	06/20/19 20:04	1
Arsenic	ND		0.015	0.0056	mg/L		06/19/19 08:07	06/20/19 20:04	1
Barium	0.072		0.0020	0.00070	mg/L		06/19/19 08:07	06/20/19 20:04	1
Beryllium	ND		0.0020	0.00030	mg/L		06/19/19 08:07	06/20/19 20:04	1
Cadmium	ND		0.0020	0.00050	mg/L		06/19/19 08:07	06/20/19 20:04	1
Calcium	78.4		0.50	0.10	mg/L		06/19/19 08:07	06/20/19 20:04	1
Chromium	ND		0.0040	0.0010	mg/L		06/19/19 08:07	06/20/19 20:04	1
Cobalt	0.0011	J	0.0040	0.00063	mg/L		06/19/19 08:07	06/20/19 20:04	1
Copper	0.0040	J	0.010	0.0016	mg/L		06/19/19 08:07	06/20/19 20:04	1
Iron	0.68		0.050	0.019	mg/L		06/19/19 08:07	06/20/19 20:04	1
Lead	ND		0.010	0.0030	mg/L		06/19/19 08:07	06/20/19 20:04	1
Magnesium	35.6	B	0.20	0.043	mg/L		06/19/19 08:07	06/20/19 20:04	1
Manganese	0.89		0.0030	0.00040	mg/L		06/19/19 08:07	06/20/19 20:04	1
Nickel	0.015		0.010	0.0013	mg/L		06/19/19 08:07	06/20/19 20:04	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: MW-2

Lab Sample ID: 480-155026-1

Date Collected: 06/12/19 10:12

Matrix: Water

Date Received: 06/14/19 11:45

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	4.0		0.50	0.10	mg/L		06/19/19 08:07	06/20/19 20:04	1
Selenium	ND		0.025	0.0087	mg/L		06/19/19 08:07	06/20/19 20:04	1
Silver	ND		0.0060	0.0017	mg/L		06/19/19 08:07	06/20/19 20:04	1
Sodium	39.5		1.0	0.32	mg/L		06/19/19 08:07	06/20/19 20:04	1
Thallium	ND		0.020	0.010	mg/L		06/19/19 08:07	06/20/19 20:04	1
Vanadium	ND		0.0050	0.0015	mg/L		06/19/19 08:07	06/20/19 20:04	1
Zinc	ND		0.010	0.0015	mg/L		06/19/19 08:07	06/20/19 20:04	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		06/20/19 11:24	06/20/19 14:47	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: MW-1

Lab Sample ID: 480-155026-2

Date Collected: 06/12/19 16:58

Matrix: Water

Date Received: 06/14/19 11:45

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.050	0.0058	ug/L			06/26/19 13:43	1
1,2-Dichloroethane	ND		0.050	0.0050	ug/L			06/26/19 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 130					06/26/19 13:43	1
4-Bromofluorobenzene (Surr)	99		70 - 130					06/26/19 13:43	1
Dibromofluoromethane (Surr)	100		70 - 130					06/26/19 13:43	1
Toluene-d8 (Surr)	96		70 - 130					06/26/19 13:43	1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/19/19 12:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/19/19 12:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/19/19 12:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/19/19 12:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/19/19 12:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/19/19 12:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/19/19 12:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/19/19 12:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/19/19 12:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/19/19 12:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/19/19 12:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/19/19 12:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/19/19 12:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/19/19 12:35	1
2-Hexanone	ND		5.0	1.2	ug/L			06/19/19 12:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/19/19 12:35	1
Acetone	ND		10	3.0	ug/L			06/19/19 12:35	1
Benzene	ND		1.0	0.41	ug/L			06/19/19 12:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/19/19 12:35	1
Bromoform	ND		1.0	0.26	ug/L			06/19/19 12:35	1
Bromomethane	ND		1.0	0.69	ug/L			06/19/19 12:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/19/19 12:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/19/19 12:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/19/19 12:35	1
Chloroethane	ND		1.0	0.32	ug/L			06/19/19 12:35	1
Chloroform	ND		1.0	0.34	ug/L			06/19/19 12:35	1
Chloromethane	ND		1.0	0.35	ug/L			06/19/19 12:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/19/19 12:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/19/19 12:35	1
Cyclohexane	ND		1.0	0.18	ug/L			06/19/19 12:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/19/19 12:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/19/19 12:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/19/19 12:35	1
Ethylene Dibromide	ND		1.0	0.73	ug/L			06/19/19 12:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/19/19 12:35	1
Methyl acetate	ND		2.5	1.3	ug/L			06/19/19 12:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/19/19 12:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/19/19 12:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/19/19 12:35	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: MW-1

Lab Sample ID: 480-155026-2

Date Collected: 06/12/19 16:58

Matrix: Water

Date Received: 06/14/19 11:45

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			06/19/19 12:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/19/19 12:35	1
Toluene	ND		1.0	0.51	ug/L			06/19/19 12:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/19/19 12:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/19/19 12:35	1
Trichloroethene	ND		1.0	0.46	ug/L			06/19/19 12:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/19/19 12:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/19/19 12:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/19/19 12:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		06/19/19 12:35	1
4-Bromofluorobenzene (Surr)	78		73 - 120		06/19/19 12:35	1
Dibromofluoromethane (Surr)	97		75 - 123		06/19/19 12:35	1
Toluene-d8 (Surr)	90		80 - 120		06/19/19 12:35	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		06/18/19 15:18	06/27/19 21:42	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		06/18/19 15:18	06/27/19 21:42	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		06/18/19 15:18	06/27/19 21:42	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		06/18/19 15:18	06/27/19 21:42	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		06/18/19 15:18	06/27/19 21:42	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		06/18/19 15:18	06/27/19 21:42	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		06/18/19 15:18	06/27/19 21:42	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		06/18/19 15:18	06/27/19 21:42	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 21:42	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		06/18/19 15:18	06/27/19 21:42	1
2-Chlorophenol	ND		5.0	0.53	ug/L		06/18/19 15:18	06/27/19 21:42	1
2-Methylphenol	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 21:42	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		06/18/19 15:18	06/27/19 21:42	1
2-Nitroaniline	ND		10	0.42	ug/L		06/18/19 15:18	06/27/19 21:42	1
2-Nitrophenol	ND		5.0	0.48	ug/L		06/18/19 15:18	06/27/19 21:42	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 21:42	1
3-Nitroaniline	ND		10	0.48	ug/L		06/18/19 15:18	06/27/19 21:42	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		06/18/19 15:18	06/27/19 21:42	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		06/18/19 15:18	06/27/19 21:42	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		06/18/19 15:18	06/27/19 21:42	1
4-Chloroaniline	ND		5.0	0.59	ug/L		06/18/19 15:18	06/27/19 21:42	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		06/18/19 15:18	06/27/19 21:42	1
4-Methylphenol	ND		10	0.36	ug/L		06/18/19 15:18	06/27/19 21:42	1
4-Nitroaniline	ND		10	0.25	ug/L		06/18/19 15:18	06/27/19 21:42	1
4-Nitrophenol	ND *		10	1.5	ug/L		06/18/19 15:18	06/27/19 21:42	1
Acenaphthene	ND		5.0	0.41	ug/L		06/18/19 15:18	06/27/19 21:42	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/18/19 15:18	06/27/19 21:42	1
Acetophenone	ND		5.0	0.54	ug/L		06/18/19 15:18	06/27/19 21:42	1
Anthracene	ND		5.0	0.28	ug/L		06/18/19 15:18	06/27/19 21:42	1
Atrazine	ND		5.0	0.46	ug/L		06/18/19 15:18	06/27/19 21:42	1
Benzaldehyde	ND		5.0	0.27	ug/L		06/18/19 15:18	06/27/19 21:42	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		06/18/19 15:18	06/27/19 21:42	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: MW-1

Lab Sample ID: 480-155026-2

Date Collected: 06/12/19 16:58

Matrix: Water

Date Received: 06/14/19 11:45

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		5.0	0.47	ug/L		06/18/19 15:18	06/27/19 21:42	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		06/18/19 15:18	06/27/19 21:42	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		06/18/19 15:18	06/27/19 21:42	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		06/18/19 15:18	06/27/19 21:42	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		06/18/19 15:18	06/27/19 21:42	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 21:42	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		06/18/19 15:18	06/27/19 21:42	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		06/18/19 15:18	06/27/19 21:42	1
Caprolactam	ND		5.0	2.2	ug/L		06/18/19 15:18	06/27/19 21:42	1
Carbazole	ND		5.0	0.30	ug/L		06/18/19 15:18	06/27/19 21:42	1
Chrysene	ND		5.0	0.33	ug/L		06/18/19 15:18	06/27/19 21:42	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/18/19 15:18	06/27/19 21:42	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		06/18/19 15:18	06/27/19 21:42	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		06/18/19 15:18	06/27/19 21:42	1
Dibenzofuran	ND		10	0.51	ug/L		06/18/19 15:18	06/27/19 21:42	1
Diethyl phthalate	0.56	J	5.0	0.22	ug/L		06/18/19 15:18	06/27/19 21:42	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		06/18/19 15:18	06/27/19 21:42	1
Fluoranthene	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 21:42	1
Fluorene	0.39	J B	5.0	0.36	ug/L		06/18/19 15:18	06/27/19 21:42	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		06/18/19 15:18	06/27/19 21:42	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		06/18/19 15:18	06/27/19 21:42	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		06/18/19 15:18	06/27/19 21:42	1
Hexachloroethane	ND		5.0	0.59	ug/L		06/18/19 15:18	06/27/19 21:42	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		06/18/19 15:18	06/27/19 21:42	1
Isophorone	ND		5.0	0.43	ug/L		06/18/19 15:18	06/27/19 21:42	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		06/18/19 15:18	06/27/19 21:42	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		06/18/19 15:18	06/27/19 21:42	1
Naphthalene	ND		5.0	0.76	ug/L		06/18/19 15:18	06/27/19 21:42	1
Nitrobenzene	ND		5.0	0.29	ug/L		06/18/19 15:18	06/27/19 21:42	1
Pentachlorophenol	ND		10	2.2	ug/L		06/18/19 15:18	06/27/19 21:42	1
Phenanthrene	1.6	J B	5.0	0.44	ug/L		06/18/19 15:18	06/27/19 21:42	1
Phenol	ND		5.0	0.39	ug/L		06/18/19 15:18	06/27/19 21:42	1
Pyrene	ND		5.0	0.34	ug/L		06/18/19 15:18	06/27/19 21:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	91		46 - 120	06/18/19 15:18	06/27/19 21:42	1
Phenol-d5 (Surr)	47		22 - 120	06/18/19 15:18	06/27/19 21:42	1
p-Terphenyl-d14 (Surr)	71		59 - 136	06/18/19 15:18	06/27/19 21:42	1
2,4,6-Tribromophenol (Surr)	118		41 - 120	06/18/19 15:18	06/27/19 21:42	1
2-Fluorobiphenyl	101		48 - 120	06/18/19 15:18	06/27/19 21:42	1
2-Fluorophenol (Surr)	65		35 - 120	06/18/19 15:18	06/27/19 21:42	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.50	0.29	ug/L		06/18/19 15:12	06/19/19 12:13	1
Endrin	ND		0.050	0.014	ug/L		06/18/19 15:12	06/19/19 12:13	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		06/18/19 15:12	06/19/19 12:13	1
Heptachlor	ND		0.050	0.0085	ug/L		06/18/19 15:12	06/19/19 12:13	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		06/18/19 15:12	06/19/19 12:13	1
Methoxychlor	ND		0.050	0.014	ug/L		06/18/19 15:12	06/19/19 12:13	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: MW-1

Lab Sample ID: 480-155026-2

Date Collected: 06/12/19 16:58

Matrix: Water

Date Received: 06/14/19 11:45

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		0.50	0.12	ug/L		06/18/19 15:12	06/19/19 12:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	64		20 - 120				06/18/19 15:12	06/19/19 12:13	1
DCB Decachlorobiphenyl	67		20 - 120				06/18/19 15:12	06/19/19 12:13	1
Tetrachloro-m-xylene	90		44 - 120				06/18/19 15:12	06/19/19 12:13	1
Tetrachloro-m-xylene	108		44 - 120				06/18/19 15:12	06/19/19 12:13	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		06/20/19 15:24	06/21/19 19:13	1
PCB-1221	ND		0.50	0.18	ug/L		06/20/19 15:24	06/21/19 19:13	1
PCB-1232	ND		0.50	0.18	ug/L		06/20/19 15:24	06/21/19 19:13	1
PCB-1242	ND		0.50	0.18	ug/L		06/20/19 15:24	06/21/19 19:13	1
PCB-1248	ND		0.50	0.18	ug/L		06/20/19 15:24	06/21/19 19:13	1
PCB-1254	ND		0.50	0.25	ug/L		06/20/19 15:24	06/21/19 19:13	1
PCB-1260	ND		0.50	0.25	ug/L		06/20/19 15:24	06/21/19 19:13	1
PCB-1262	ND		0.50	0.25	ug/L		06/20/19 15:24	06/21/19 19:13	1
PCB-1268	ND		0.50	0.25	ug/L		06/20/19 15:24	06/21/19 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	101		39 - 121				06/20/19 15:24	06/21/19 19:13	1
Tetrachloro-m-xylene	78		39 - 121				06/20/19 15:24	06/21/19 19:13	1
DCB Decachlorobiphenyl	78		19 - 120				06/20/19 15:24	06/21/19 19:13	1
DCB Decachlorobiphenyl	63		19 - 120				06/20/19 15:24	06/21/19 19:13	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		06/19/19 08:07	06/20/19 20:35	1
Antimony	ND		0.020	0.0068	mg/L		06/19/19 08:07	06/20/19 20:35	1
Arsenic	ND		0.015	0.0056	mg/L		06/19/19 08:07	06/20/19 20:35	1
Barium	0.030		0.0020	0.00070	mg/L		06/19/19 08:07	06/20/19 20:35	1
Beryllium	ND		0.0020	0.00030	mg/L		06/19/19 08:07	06/20/19 20:35	1
Cadmium	0.00053	J	0.0020	0.00050	mg/L		06/19/19 08:07	06/20/19 20:35	1
Calcium	149		0.50	0.10	mg/L		06/19/19 08:07	06/20/19 20:35	1
Chromium	ND		0.0040	0.0010	mg/L		06/19/19 08:07	06/20/19 20:35	1
Cobalt	0.0042		0.0040	0.00063	mg/L		06/19/19 08:07	06/20/19 20:35	1
Copper	ND		0.010	0.0016	mg/L		06/19/19 08:07	06/20/19 20:35	1
Iron	0.095		0.050	0.019	mg/L		06/19/19 08:07	06/20/19 20:35	1
Lead	ND		0.010	0.0030	mg/L		06/19/19 08:07	06/20/19 20:35	1
Magnesium	426	B	0.20	0.043	mg/L		06/19/19 08:07	06/20/19 20:35	1
Manganese	0.44		0.0030	0.00040	mg/L		06/19/19 08:07	06/20/19 20:35	1
Nickel	0.0041	J	0.010	0.0013	mg/L		06/19/19 08:07	06/20/19 20:35	1
Potassium	16.7		0.50	0.10	mg/L		06/19/19 08:07	06/20/19 20:35	1
Selenium	ND		0.025	0.0087	mg/L		06/19/19 08:07	06/20/19 20:35	1
Silver	ND		0.0060	0.0017	mg/L		06/19/19 08:07	06/20/19 20:35	1
Sodium	174		1.0	0.32	mg/L		06/19/19 08:07	06/20/19 20:35	1
Thallium	ND		0.020	0.010	mg/L		06/19/19 08:07	06/20/19 20:35	1
Vanadium	ND		0.0050	0.0015	mg/L		06/19/19 08:07	06/20/19 20:35	1
Zinc	0.038		0.010	0.0015	mg/L		06/19/19 08:07	06/20/19 20:35	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: MW-1

Lab Sample ID: 480-155026-2

Date Collected: 06/12/19 16:58

Matrix: Water

Date Received: 06/14/19 11:45

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	—	06/20/19 11:24	06/20/19 14:52	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-155026-3

Date Collected: 06/12/19 00:00

Matrix: Water

Date Received: 06/14/19 11:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/19/19 13:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/19/19 13:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/19/19 13:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/19/19 13:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/19/19 13:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/19/19 13:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/19/19 13:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/19/19 13:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/19/19 13:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/19/19 13:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/19/19 13:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/19/19 13:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/19/19 13:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/19/19 13:00	1
2-Hexanone	ND		5.0	1.2	ug/L			06/19/19 13:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/19/19 13:00	1
Acetone	ND		10	3.0	ug/L			06/19/19 13:00	1
Benzene	ND		1.0	0.41	ug/L			06/19/19 13:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/19/19 13:00	1
Bromoform	ND		1.0	0.26	ug/L			06/19/19 13:00	1
Bromomethane	ND		1.0	0.69	ug/L			06/19/19 13:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/19/19 13:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/19/19 13:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/19/19 13:00	1
Chloroethane	ND		1.0	0.32	ug/L			06/19/19 13:00	1
Chloroform	ND		1.0	0.34	ug/L			06/19/19 13:00	1
Chloromethane	ND		1.0	0.35	ug/L			06/19/19 13:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/19/19 13:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/19/19 13:00	1
Cyclohexane	ND		1.0	0.18	ug/L			06/19/19 13:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/19/19 13:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/19/19 13:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/19/19 13:00	1
Ethylene Dibromide	ND		1.0	0.73	ug/L			06/19/19 13:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/19/19 13:00	1
Methyl acetate	ND		2.5	1.3	ug/L			06/19/19 13:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/19/19 13:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/19/19 13:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/19/19 13:00	1
Styrene	ND		1.0	0.73	ug/L			06/19/19 13:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/19/19 13:00	1
Toluene	ND		1.0	0.51	ug/L			06/19/19 13:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/19/19 13:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/19/19 13:00	1
Trichloroethene	ND		1.0	0.46	ug/L			06/19/19 13:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/19/19 13:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/19/19 13:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/19/19 13:00	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-155026-3

Date Collected: 06/12/19 00:00

Matrix: Water

Date Received: 06/14/19 11:45

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	113		77 - 120		06/19/19 13:00	1
4-Bromofluorobenzene (Surr)	80		73 - 120		06/19/19 13:00	1
Dibromofluoromethane (Surr)	105		75 - 123		06/19/19 13:00	1
Toluene-d8 (Surr)	94		80 - 120		06/19/19 13:00	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: MW-3

Lab Sample ID: 480-155026-4

Date Collected: 06/13/19 07:45

Matrix: Water

Date Received: 06/14/19 11:45

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.050	0.0058	ug/L			06/26/19 14:11	1
1,2-Dichloroethane	ND		0.050	0.0050	ug/L			06/26/19 14:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 130					06/26/19 14:11	1
4-Bromofluorobenzene (Surr)	100		70 - 130					06/26/19 14:11	1
Dibromofluoromethane (Surr)	99		70 - 130					06/26/19 14:11	1
Toluene-d8 (Surr)	96		70 - 130					06/26/19 14:11	1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/19/19 13:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/19/19 13:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/19/19 13:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/19/19 13:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/19/19 13:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/19/19 13:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/19/19 13:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/19/19 13:24	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/19/19 13:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/19/19 13:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/19/19 13:24	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/19/19 13:24	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/19/19 13:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/19/19 13:24	1
2-Hexanone	ND		5.0	1.2	ug/L			06/19/19 13:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/19/19 13:24	1
Acetone	160		10	3.0	ug/L			06/19/19 13:24	1
Benzene	ND		1.0	0.41	ug/L			06/19/19 13:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/19/19 13:24	1
Bromoform	ND		1.0	0.26	ug/L			06/19/19 13:24	1
Bromomethane	ND		1.0	0.69	ug/L			06/19/19 13:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/19/19 13:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/19/19 13:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/19/19 13:24	1
Chloroethane	ND		1.0	0.32	ug/L			06/19/19 13:24	1
Chloroform	ND		1.0	0.34	ug/L			06/19/19 13:24	1
Chloromethane	ND		1.0	0.35	ug/L			06/19/19 13:24	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/19/19 13:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/19/19 13:24	1
Cyclohexane	ND		1.0	0.18	ug/L			06/19/19 13:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/19/19 13:24	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/19/19 13:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/19/19 13:24	1
Ethylene Dibromide	ND		1.0	0.73	ug/L			06/19/19 13:24	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/19/19 13:24	1
Methyl acetate	ND		2.5	1.3	ug/L			06/19/19 13:24	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/19/19 13:24	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/19/19 13:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/19/19 13:24	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: MW-3

Lab Sample ID: 480-155026-4

Date Collected: 06/13/19 07:45

Matrix: Water

Date Received: 06/14/19 11:45

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			06/19/19 13:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/19/19 13:24	1
Toluene	ND		1.0	0.51	ug/L			06/19/19 13:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/19/19 13:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/19/19 13:24	1
Trichloroethene	ND		1.0	0.46	ug/L			06/19/19 13:24	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/19/19 13:24	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/19/19 13:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/19/19 13:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		06/19/19 13:24	1
4-Bromofluorobenzene (Surr)	80		73 - 120		06/19/19 13:24	1
Dibromofluoromethane (Surr)	104		75 - 123		06/19/19 13:24	1
Toluene-d8 (Surr)	89		80 - 120		06/19/19 13:24	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		06/18/19 15:18	06/27/19 22:10	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		06/18/19 15:18	06/27/19 22:10	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		06/18/19 15:18	06/27/19 22:10	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		06/18/19 15:18	06/27/19 22:10	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		06/18/19 15:18	06/27/19 22:10	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		06/18/19 15:18	06/27/19 22:10	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		06/18/19 15:18	06/27/19 22:10	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		06/18/19 15:18	06/27/19 22:10	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 22:10	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		06/18/19 15:18	06/27/19 22:10	1
2-Chlorophenol	ND		5.0	0.53	ug/L		06/18/19 15:18	06/27/19 22:10	1
2-Methylphenol	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 22:10	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		06/18/19 15:18	06/27/19 22:10	1
2-Nitroaniline	ND		10	0.42	ug/L		06/18/19 15:18	06/27/19 22:10	1
2-Nitrophenol	ND		5.0	0.48	ug/L		06/18/19 15:18	06/27/19 22:10	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 22:10	1
3-Nitroaniline	ND		10	0.48	ug/L		06/18/19 15:18	06/27/19 22:10	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		06/18/19 15:18	06/27/19 22:10	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		06/18/19 15:18	06/27/19 22:10	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		06/18/19 15:18	06/27/19 22:10	1
4-Chloroaniline	ND		5.0	0.59	ug/L		06/18/19 15:18	06/27/19 22:10	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		06/18/19 15:18	06/27/19 22:10	1
4-Methylphenol	0.41	J	10	0.36	ug/L		06/18/19 15:18	06/27/19 22:10	1
4-Nitroaniline	ND		10	0.25	ug/L		06/18/19 15:18	06/27/19 22:10	1
4-Nitrophenol	ND	*	10	1.5	ug/L		06/18/19 15:18	06/27/19 22:10	1
Acenaphthene	ND		5.0	0.41	ug/L		06/18/19 15:18	06/27/19 22:10	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/18/19 15:18	06/27/19 22:10	1
Acetophenone	ND		5.0	0.54	ug/L		06/18/19 15:18	06/27/19 22:10	1
Anthracene	ND		5.0	0.28	ug/L		06/18/19 15:18	06/27/19 22:10	1
Atrazine	ND		5.0	0.46	ug/L		06/18/19 15:18	06/27/19 22:10	1
Benzaldehyde	ND		5.0	0.27	ug/L		06/18/19 15:18	06/27/19 22:10	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		06/18/19 15:18	06/27/19 22:10	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: MW-3

Lab Sample ID: 480-155026-4

Date Collected: 06/13/19 07:45

Matrix: Water

Date Received: 06/14/19 11:45

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		5.0	0.47	ug/L		06/18/19 15:18	06/27/19 22:10	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		06/18/19 15:18	06/27/19 22:10	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		06/18/19 15:18	06/27/19 22:10	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		06/18/19 15:18	06/27/19 22:10	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		06/18/19 15:18	06/27/19 22:10	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 22:10	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		06/18/19 15:18	06/27/19 22:10	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		06/18/19 15:18	06/27/19 22:10	1
Caprolactam	ND		5.0	2.2	ug/L		06/18/19 15:18	06/27/19 22:10	1
Carbazole	ND		5.0	0.30	ug/L		06/18/19 15:18	06/27/19 22:10	1
Chrysene	ND		5.0	0.33	ug/L		06/18/19 15:18	06/27/19 22:10	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/18/19 15:18	06/27/19 22:10	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		06/18/19 15:18	06/27/19 22:10	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		06/18/19 15:18	06/27/19 22:10	1
Dibenzofuran	ND		10	0.51	ug/L		06/18/19 15:18	06/27/19 22:10	1
Diethyl phthalate	ND		5.0	0.22	ug/L		06/18/19 15:18	06/27/19 22:10	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		06/18/19 15:18	06/27/19 22:10	1
Fluoranthene	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 22:10	1
Fluorene	0.37	J B	5.0	0.36	ug/L		06/18/19 15:18	06/27/19 22:10	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		06/18/19 15:18	06/27/19 22:10	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		06/18/19 15:18	06/27/19 22:10	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		06/18/19 15:18	06/27/19 22:10	1
Hexachloroethane	ND		5.0	0.59	ug/L		06/18/19 15:18	06/27/19 22:10	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		06/18/19 15:18	06/27/19 22:10	1
Isophorone	ND		5.0	0.43	ug/L		06/18/19 15:18	06/27/19 22:10	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		06/18/19 15:18	06/27/19 22:10	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		06/18/19 15:18	06/27/19 22:10	1
Naphthalene	ND		5.0	0.76	ug/L		06/18/19 15:18	06/27/19 22:10	1
Nitrobenzene	ND		5.0	0.29	ug/L		06/18/19 15:18	06/27/19 22:10	1
Pentachlorophenol	ND		10	2.2	ug/L		06/18/19 15:18	06/27/19 22:10	1
Phenanthrene	1.7	J B	5.0	0.44	ug/L		06/18/19 15:18	06/27/19 22:10	1
Phenol	ND		5.0	0.39	ug/L		06/18/19 15:18	06/27/19 22:10	1
Pyrene	ND		5.0	0.34	ug/L		06/18/19 15:18	06/27/19 22:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	84		46 - 120	06/18/19 15:18	06/27/19 22:10	1
Phenol-d5 (Surr)	54		22 - 120	06/18/19 15:18	06/27/19 22:10	1
p-Terphenyl-d14 (Surr)	64		59 - 136	06/18/19 15:18	06/27/19 22:10	1
2,4,6-Tribromophenol (Surr)	117		41 - 120	06/18/19 15:18	06/27/19 22:10	1
2-Fluorobiphenyl	93		48 - 120	06/18/19 15:18	06/27/19 22:10	1
2-Fluorophenol (Surr)	65		35 - 120	06/18/19 15:18	06/27/19 22:10	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.094	J	0.20	0.060	mg/L		06/19/19 08:07	06/20/19 20:39	1
Antimony	ND		0.020	0.0068	mg/L		06/19/19 08:07	06/20/19 20:39	1
Arsenic	ND		0.015	0.0056	mg/L		06/19/19 08:07	06/20/19 20:39	1
Barium	0.027		0.0020	0.00070	mg/L		06/19/19 08:07	06/20/19 20:39	1
Beryllium	ND		0.0020	0.00030	mg/L		06/19/19 08:07	06/20/19 20:39	1
Cadmium	ND		0.0020	0.00050	mg/L		06/19/19 08:07	06/20/19 20:39	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: MW-3

Lab Sample ID: 480-155026-4

Date Collected: 06/13/19 07:45

Matrix: Water

Date Received: 06/14/19 11:45

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	426		0.50	0.10	mg/L		06/19/19 08:07	06/20/19 20:39	1
Chromium	ND		0.0040	0.0010	mg/L		06/19/19 08:07	06/20/19 20:39	1
Cobalt	0.018		0.0040	0.00063	mg/L		06/19/19 08:07	06/20/19 20:39	1
Copper	ND		0.010	0.0016	mg/L		06/19/19 08:07	06/20/19 20:39	1
Iron	0.16		0.050	0.019	mg/L		06/19/19 08:07	06/20/19 20:39	1
Lead	ND		0.010	0.0030	mg/L		06/19/19 08:07	06/20/19 20:39	1
Magnesium	1760	B	1.0	0.22	mg/L		06/19/19 08:07	06/21/19 10:49	5
Manganese	1.4		0.0030	0.00040	mg/L		06/19/19 08:07	06/20/19 20:39	1
Nickel	0.018		0.010	0.0013	mg/L		06/19/19 08:07	06/20/19 20:39	1
Potassium	22.5		0.50	0.10	mg/L		06/19/19 08:07	06/20/19 20:39	1
Selenium	ND		0.025	0.0087	mg/L		06/19/19 08:07	06/20/19 20:39	1
Silver	ND		0.0060	0.0017	mg/L		06/19/19 08:07	06/20/19 20:39	1
Sodium	555		1.0	0.32	mg/L		06/19/19 08:07	06/20/19 20:39	1
Thallium	ND		0.020	0.010	mg/L		06/19/19 08:07	06/20/19 20:39	1
Vanadium	ND		0.0050	0.0015	mg/L		06/19/19 08:07	06/20/19 20:39	1
Zinc	0.030		0.010	0.0015	mg/L		06/19/19 08:07	06/20/19 20:39	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		06/20/19 11:24	06/20/19 14:53	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: MW-1

Lab Sample ID: 480-155026-5

Date Collected: 06/13/19 08:45

Matrix: Water

Date Received: 06/14/19 11:45

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.49	0.049	ug/L		06/19/19 08:02	06/20/19 14:20	1
2,4-D	ND		0.49	0.17	ug/L		06/19/19 08:02	06/20/19 14:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	58		48 - 132				06/19/19 08:02	06/20/19 14:20	1
2,4-Dichlorophenylacetic acid	76		48 - 132				06/19/19 08:02	06/20/19 14:20	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	78		8.7	4.4	ng/L		06/26/19 11:18	07/24/19 23:31	5
Perfluoropentanoic acid (PFPeA)	ND		8.7	2.8	ng/L		06/26/19 11:18	07/05/19 11:33	5
Perfluorohexanoic acid (PFHxA)	ND		8.7	3.3	ng/L		06/26/19 11:18	07/05/19 11:33	5
Perfluoroheptanoic acid (PFHpA)	ND		8.7	4.0	ng/L		06/26/19 11:18	07/05/19 11:33	5
Perfluorooctanoic acid (PFOA)	ND		8.7	2.8	ng/L		06/26/19 11:18	07/05/19 11:33	5
Perfluorononanoic acid (PFNA)	ND		8.7	1.2	ng/L		06/26/19 11:18	07/05/19 11:33	5
Perfluorodecanoic acid (PFDA)	ND		8.7	3.4	ng/L		06/26/19 11:18	07/05/19 11:33	5
Perfluoroundecanoic acid (PFUnA)	ND		8.7	2.3	ng/L		06/26/19 11:18	07/05/19 11:33	5
Perfluorododecanoic acid (PFDoA)	ND		8.7	2.6	ng/L		06/26/19 11:18	07/05/19 11:33	5
Perfluorotridecanoic acid (PFTriA)	ND		8.7	2.6	ng/L		06/26/19 11:18	07/05/19 11:33	5
Perfluorotetradecanoic acid (PFTeA)	ND		8.7	4.0	ng/L		06/26/19 11:18	07/05/19 11:33	5
Perfluorobutanesulfonic acid (PFBS)	ND		8.7	2.1	ng/L		06/26/19 11:18	07/05/19 11:33	5
Perfluorohexanesulfonic acid (PFHxS)	ND		8.7	3.5	ng/L		06/26/19 11:18	07/05/19 11:33	5
Perfluoroheptanesulfonic Acid (PFHpS)	ND		8.7	4.1	ng/L		06/26/19 11:18	07/05/19 11:33	5
Perfluorooctanesulfonic acid (PFOS)	ND		8.7	2.7	ng/L		06/26/19 11:18	07/05/19 11:33	5
Perfluorodecanesulfonic acid (PFDS)	ND		8.7	3.9	ng/L		06/26/19 11:18	07/05/19 11:33	5
Perfluorooctanesulfonamide (PFOSA)	ND		44	44	ng/L		06/26/19 11:18	07/05/19 11:33	5
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		87	7.4	ng/L		06/26/19 11:18	07/05/19 11:33	5
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		87	6.5	ng/L		06/26/19 11:18	07/05/19 11:33	5
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		87	20	ng/L		06/26/19 11:18	07/05/19 11:33	5
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		87	13	ng/L		06/26/19 11:18	07/05/19 11:33	5
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	181	*	50 - 150				06/26/19 11:18	07/05/19 11:33	5
13C4 PFHpA	96		50 - 150				06/26/19 11:18	07/05/19 11:33	5
13C4 PFOA	90		50 - 150				06/26/19 11:18	07/05/19 11:33	5
13C4 PFOS	103		50 - 150				06/26/19 11:18	07/05/19 11:33	5
13C5 PFNA	88		50 - 150				06/26/19 11:18	07/05/19 11:33	5
13C4 PFBA	42		25 - 150				06/26/19 11:18	07/24/19 23:31	5
13C2 PFHxA	83		50 - 150				06/26/19 11:18	07/05/19 11:33	5
13C2 PFDA	89		50 - 150				06/26/19 11:18	07/05/19 11:33	5
13C2 PFUnA	100		50 - 150				06/26/19 11:18	07/05/19 11:33	5
13C2 PFDoA	86		50 - 150				06/26/19 11:18	07/05/19 11:33	5
13C8 FOSA	78		25 - 150				06/26/19 11:18	07/05/19 11:33	5
13C5 PFPeA	122		25 - 150				06/26/19 11:18	07/05/19 11:33	5
13C2 PFTeDA	70		50 - 150				06/26/19 11:18	07/05/19 11:33	5
d3-NMeFOSAA	92		50 - 150				06/26/19 11:18	07/05/19 11:33	5
d5-NEtFOSAA	111		50 - 150				06/26/19 11:18	07/05/19 11:33	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: MW-1

Lab Sample ID: 480-155026-5

Date Collected: 06/13/19 08:45

Matrix: Water

Date Received: 06/14/19 11:45

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
M2-6:2 FTS	129		25 - 150	06/26/19 11:18	07/05/19 11:33	5
M2-8:2 FTS	86		25 - 150	06/26/19 11:18	07/05/19 11:33	5
13C3 PFBS	166 *		50 - 150	06/26/19 11:18	07/05/19 11:33	5

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: DUP

Lab Sample ID: 480-155026-6

Date Collected: 06/12/19 00:01

Matrix: Water

Date Received: 06/14/19 11:45

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND	H	0.050	0.0058	ug/L			06/26/19 14:38	1
1,2-Dichloroethane	ND	H	0.050	0.0050	ug/L			06/26/19 14:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 130					06/26/19 14:38	1
4-Bromofluorobenzene (Surr)	100		70 - 130					06/26/19 14:38	1
Dibromofluoromethane (Surr)	100		70 - 130					06/26/19 14:38	1
Toluene-d8 (Surr)	95		70 - 130					06/26/19 14:38	1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			06/19/19 13:48	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			06/19/19 13:48	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			06/19/19 13:48	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			06/19/19 13:48	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			06/19/19 13:48	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			06/19/19 13:48	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			06/19/19 13:48	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			06/19/19 13:48	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			06/19/19 13:48	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			06/19/19 13:48	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			06/19/19 13:48	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			06/19/19 13:48	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			06/19/19 13:48	2
2-Butanone (MEK)	ND		20	2.6	ug/L			06/19/19 13:48	2
2-Hexanone	ND		10	2.5	ug/L			06/19/19 13:48	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			06/19/19 13:48	2
Acetone	18 J		20	6.0	ug/L			06/19/19 13:48	2
Benzene	ND		2.0	0.82	ug/L			06/19/19 13:48	2
Bromodichloromethane	ND		2.0	0.78	ug/L			06/19/19 13:48	2
Bromoform	ND		2.0	0.52	ug/L			06/19/19 13:48	2
Bromomethane	ND		2.0	1.4	ug/L			06/19/19 13:48	2
Carbon disulfide	ND		2.0	0.38	ug/L			06/19/19 13:48	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			06/19/19 13:48	2
Chlorobenzene	ND		2.0	1.5	ug/L			06/19/19 13:48	2
Chloroethane	ND		2.0	0.64	ug/L			06/19/19 13:48	2
Chloroform	ND		2.0	0.68	ug/L			06/19/19 13:48	2
Chloromethane	ND		2.0	0.70	ug/L			06/19/19 13:48	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			06/19/19 13:48	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			06/19/19 13:48	2
Cyclohexane	ND		2.0	0.36	ug/L			06/19/19 13:48	2
Dibromochloromethane	ND		2.0	0.64	ug/L			06/19/19 13:48	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			06/19/19 13:48	2
Ethylbenzene	ND		2.0	1.5	ug/L			06/19/19 13:48	2
Ethylene Dibromide	ND		2.0	1.5	ug/L			06/19/19 13:48	2
Isopropylbenzene	ND		2.0	1.6	ug/L			06/19/19 13:48	2
Methyl acetate	ND		5.0	2.6	ug/L			06/19/19 13:48	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			06/19/19 13:48	2
Methylcyclohexane	ND		2.0	0.32	ug/L			06/19/19 13:48	2
Methylene Chloride	ND		2.0	0.88	ug/L			06/19/19 13:48	2

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: DUP

Lab Sample ID: 480-155026-6

Date Collected: 06/12/19 00:01

Matrix: Water

Date Received: 06/14/19 11:45

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	1.5	ug/L			06/19/19 13:48	2
Tetrachloroethene	ND		2.0	0.72	ug/L			06/19/19 13:48	2
Toluene	ND		2.0	1.0	ug/L			06/19/19 13:48	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			06/19/19 13:48	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			06/19/19 13:48	2
Trichloroethene	ND		2.0	0.92	ug/L			06/19/19 13:48	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			06/19/19 13:48	2
Vinyl chloride	ND		2.0	1.8	ug/L			06/19/19 13:48	2
Xylenes, Total	ND		4.0	1.3	ug/L			06/19/19 13:48	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120					06/19/19 13:48	2
4-Bromofluorobenzene (Surr)	78		73 - 120					06/19/19 13:48	2
Dibromofluoromethane (Surr)	102		75 - 123					06/19/19 13:48	2
Toluene-d8 (Surr)	92		80 - 120					06/19/19 13:48	2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		06/18/19 15:18	06/27/19 22:37	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		06/18/19 15:18	06/27/19 22:37	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		06/18/19 15:18	06/27/19 22:37	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		06/18/19 15:18	06/27/19 22:37	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		06/18/19 15:18	06/27/19 22:37	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		06/18/19 15:18	06/27/19 22:37	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		06/18/19 15:18	06/27/19 22:37	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		06/18/19 15:18	06/27/19 22:37	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 22:37	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		06/18/19 15:18	06/27/19 22:37	1
2-Chlorophenol	ND		5.0	0.53	ug/L		06/18/19 15:18	06/27/19 22:37	1
2-Methylphenol	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 22:37	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		06/18/19 15:18	06/27/19 22:37	1
2-Nitroaniline	ND		10	0.42	ug/L		06/18/19 15:18	06/27/19 22:37	1
2-Nitrophenol	ND		5.0	0.48	ug/L		06/18/19 15:18	06/27/19 22:37	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 22:37	1
3-Nitroaniline	ND		10	0.48	ug/L		06/18/19 15:18	06/27/19 22:37	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		06/18/19 15:18	06/27/19 22:37	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		06/18/19 15:18	06/27/19 22:37	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		06/18/19 15:18	06/27/19 22:37	1
4-Chloroaniline	ND		5.0	0.59	ug/L		06/18/19 15:18	06/27/19 22:37	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		06/18/19 15:18	06/27/19 22:37	1
4-Methylphenol	9.6	J	10	0.36	ug/L		06/18/19 15:18	06/27/19 22:37	1
4-Nitroaniline	ND		10	0.25	ug/L		06/18/19 15:18	06/27/19 22:37	1
4-Nitrophenol	ND	*	10	1.5	ug/L		06/18/19 15:18	06/27/19 22:37	1
Acenaphthene	ND		5.0	0.41	ug/L		06/18/19 15:18	06/27/19 22:37	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/18/19 15:18	06/27/19 22:37	1
Acetophenone	ND		5.0	0.54	ug/L		06/18/19 15:18	06/27/19 22:37	1
Anthracene	ND		5.0	0.28	ug/L		06/18/19 15:18	06/27/19 22:37	1
Atrazine	ND		5.0	0.46	ug/L		06/18/19 15:18	06/27/19 22:37	1
Benzaldehyde	ND		5.0	0.27	ug/L		06/18/19 15:18	06/27/19 22:37	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		06/18/19 15:18	06/27/19 22:37	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: DUP

Lab Sample ID: 480-155026-6

Date Collected: 06/12/19 00:01

Matrix: Water

Date Received: 06/14/19 11:45

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		5.0	0.47	ug/L		06/18/19 15:18	06/27/19 22:37	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		06/18/19 15:18	06/27/19 22:37	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		06/18/19 15:18	06/27/19 22:37	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		06/18/19 15:18	06/27/19 22:37	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		06/18/19 15:18	06/27/19 22:37	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 22:37	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		06/18/19 15:18	06/27/19 22:37	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		06/18/19 15:18	06/27/19 22:37	1
Caprolactam	ND		5.0	2.2	ug/L		06/18/19 15:18	06/27/19 22:37	1
Carbazole	ND		5.0	0.30	ug/L		06/18/19 15:18	06/27/19 22:37	1
Chrysene	ND		5.0	0.33	ug/L		06/18/19 15:18	06/27/19 22:37	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/18/19 15:18	06/27/19 22:37	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		06/18/19 15:18	06/27/19 22:37	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		06/18/19 15:18	06/27/19 22:37	1
Dibenzofuran	ND		10	0.51	ug/L		06/18/19 15:18	06/27/19 22:37	1
Diethyl phthalate	ND		5.0	0.22	ug/L		06/18/19 15:18	06/27/19 22:37	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		06/18/19 15:18	06/27/19 22:37	1
Fluoranthene	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 22:37	1
Fluorene	0.41	J B	5.0	0.36	ug/L		06/18/19 15:18	06/27/19 22:37	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		06/18/19 15:18	06/27/19 22:37	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		06/18/19 15:18	06/27/19 22:37	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		06/18/19 15:18	06/27/19 22:37	1
Hexachloroethane	ND		5.0	0.59	ug/L		06/18/19 15:18	06/27/19 22:37	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		06/18/19 15:18	06/27/19 22:37	1
Isophorone	ND		5.0	0.43	ug/L		06/18/19 15:18	06/27/19 22:37	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		06/18/19 15:18	06/27/19 22:37	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		06/18/19 15:18	06/27/19 22:37	1
Naphthalene	ND		5.0	0.76	ug/L		06/18/19 15:18	06/27/19 22:37	1
Nitrobenzene	ND		5.0	0.29	ug/L		06/18/19 15:18	06/27/19 22:37	1
Pentachlorophenol	ND		10	2.2	ug/L		06/18/19 15:18	06/27/19 22:37	1
Phenanthrene	1.8	J B	5.0	0.44	ug/L		06/18/19 15:18	06/27/19 22:37	1
Phenol	ND		5.0	0.39	ug/L		06/18/19 15:18	06/27/19 22:37	1
Pyrene	ND		5.0	0.34	ug/L		06/18/19 15:18	06/27/19 22:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	84		46 - 120	06/18/19 15:18	06/27/19 22:37	1
Phenol-d5 (Surr)	45		22 - 120	06/18/19 15:18	06/27/19 22:37	1
p-Terphenyl-d14 (Surr)	63		59 - 136	06/18/19 15:18	06/27/19 22:37	1
2,4,6-Tribromophenol (Surr)	110		41 - 120	06/18/19 15:18	06/27/19 22:37	1
2-Fluorobiphenyl	91		48 - 120	06/18/19 15:18	06/27/19 22:37	1
2-Fluorophenol (Surr)	60		35 - 120	06/18/19 15:18	06/27/19 22:37	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.50	0.29	ug/L		06/18/19 15:12	06/19/19 12:33	1
Endrin	ND		0.050	0.014	ug/L		06/18/19 15:12	06/19/19 12:33	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		06/18/19 15:12	06/19/19 12:33	1
Heptachlor	ND		0.050	0.0085	ug/L		06/18/19 15:12	06/19/19 12:33	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		06/18/19 15:12	06/19/19 12:33	1
Methoxychlor	ND		0.050	0.014	ug/L		06/18/19 15:12	06/19/19 12:33	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: DUP

Lab Sample ID: 480-155026-6

Date Collected: 06/12/19 00:01

Matrix: Water

Date Received: 06/14/19 11:45

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		0.50	0.12	ug/L		06/18/19 15:12	06/19/19 12:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	63		20 - 120				06/18/19 15:12	06/19/19 12:33	1
DCB Decachlorobiphenyl	66		20 - 120				06/18/19 15:12	06/19/19 12:33	1
Tetrachloro-m-xylene	84		44 - 120				06/18/19 15:12	06/19/19 12:33	1
Tetrachloro-m-xylene	78		44 - 120				06/18/19 15:12	06/19/19 12:33	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		06/20/19 15:24	06/21/19 19:26	1
PCB-1221	ND		0.50	0.18	ug/L		06/20/19 15:24	06/21/19 19:26	1
PCB-1232	ND		0.50	0.18	ug/L		06/20/19 15:24	06/21/19 19:26	1
PCB-1242	ND		0.50	0.18	ug/L		06/20/19 15:24	06/21/19 19:26	1
PCB-1248	ND		0.50	0.18	ug/L		06/20/19 15:24	06/21/19 19:26	1
PCB-1254	ND		0.50	0.25	ug/L		06/20/19 15:24	06/21/19 19:26	1
PCB-1260	ND		0.50	0.25	ug/L		06/20/19 15:24	06/21/19 19:26	1
PCB-1262	ND		0.50	0.25	ug/L		06/20/19 15:24	06/21/19 19:26	1
PCB-1268	ND		0.50	0.25	ug/L		06/20/19 15:24	06/21/19 19:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	121		39 - 121				06/20/19 15:24	06/21/19 19:26	1
Tetrachloro-m-xylene	88		39 - 121				06/20/19 15:24	06/21/19 19:26	1
DCB Decachlorobiphenyl	97		19 - 120				06/20/19 15:24	06/21/19 19:26	1
DCB Decachlorobiphenyl	78		19 - 120				06/20/19 15:24	06/21/19 19:26	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.48	0.048	ug/L		06/19/19 08:02	06/20/19 14:50	1
2,4-D	ND		0.48	0.16	ug/L		06/19/19 08:02	06/20/19 14:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	60		48 - 132				06/19/19 08:02	06/20/19 14:50	1
2,4-Dichlorophenylacetic acid	71		48 - 132				06/19/19 08:02	06/20/19 14:50	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.73		0.20	0.060	mg/L		06/19/19 08:07	06/20/19 20:43	1
Antimony	ND		0.020	0.0068	mg/L		06/19/19 08:07	06/20/19 20:43	1
Arsenic	ND		0.015	0.0056	mg/L		06/19/19 08:07	06/20/19 20:43	1
Barium	0.069		0.0020	0.00070	mg/L		06/19/19 08:07	06/20/19 20:43	1
Beryllium	ND		0.0020	0.00030	mg/L		06/19/19 08:07	06/20/19 20:43	1
Cadmium	ND		0.0020	0.00050	mg/L		06/19/19 08:07	06/20/19 20:43	1
Calcium	70.8		0.50	0.10	mg/L		06/19/19 08:07	06/20/19 20:43	1
Chromium	0.0013	J	0.0040	0.0010	mg/L		06/19/19 08:07	06/20/19 20:43	1
Cobalt	0.0012	J	0.0040	0.00063	mg/L		06/19/19 08:07	06/20/19 20:43	1
Copper	0.0046	J	0.010	0.0016	mg/L		06/19/19 08:07	06/20/19 20:43	1
Iron	1.2		0.050	0.019	mg/L		06/19/19 08:07	06/20/19 20:43	1
Lead	ND		0.010	0.0030	mg/L		06/19/19 08:07	06/20/19 20:43	1
Magnesium	34.6	B	0.20	0.043	mg/L		06/19/19 08:07	06/20/19 20:43	1
Manganese	0.65		0.0030	0.00040	mg/L		06/19/19 08:07	06/20/19 20:43	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: DUP

Lab Sample ID: 480-155026-6

Date Collected: 06/12/19 00:01

Matrix: Water

Date Received: 06/14/19 11:45

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.014		0.010	0.0013	mg/L		06/19/19 08:07	06/20/19 20:43	1
Potassium	4.0		0.50	0.10	mg/L		06/19/19 08:07	06/20/19 20:43	1
Selenium	ND		0.025	0.0087	mg/L		06/19/19 08:07	06/20/19 20:43	1
Silver	ND		0.0060	0.0017	mg/L		06/19/19 08:07	06/20/19 20:43	1
Sodium	61.5		1.0	0.32	mg/L		06/19/19 08:07	06/20/19 20:43	1
Thallium	ND		0.020	0.010	mg/L		06/19/19 08:07	06/20/19 20:43	1
Vanadium	0.0019	J	0.0050	0.0015	mg/L		06/19/19 08:07	06/20/19 20:43	1
Zinc	ND		0.010	0.0015	mg/L		06/19/19 08:07	06/20/19 20:43	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		06/20/19 11:24	06/20/19 14:55	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-130)	BFB (70-130)	DBFM (70-130)	TOL (70-130)
480-155026-1	MW-2	101	98	101	97
480-155026-1 MS	MW-2	95	98	97	96
480-155026-1 MSD	MW-2	95	100	99	96
480-155026-2	MW-1	99	99	100	96
480-155026-4	MW-3	100	100	99	96
480-155026-6	DUP	100	100	100	95
LCS 490-603544/4	Lab Control Sample	97	95	100	96
LCS 490-603726/4	Lab Control Sample	96	99	99	96
LCSD 490-603544/5	Lab Control Sample Dup	97	97	101	96
LCSD 490-603726/5	Lab Control Sample Dup	96	98	102	96
MB 490-603544/8	Method Blank	99	99	101	97
MB 490-603726/8	Method Blank	99	100	101	96
Surrogate Legend					
DCA = 1,2-Dichloroethane-d4 (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
DBFM = Dibromofluoromethane (Surr)					
TOL = Toluene-d8 (Surr)					

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
480-155026-1	MW-2	108	88	98	96
480-155026-1 MS	MW-2	103	89	94	96
480-155026-1 MSD	MW-2	102	88	99	97
480-155026-2	MW-1	109	78	97	90
480-155026-3	TRIP BLANK	113	80	105	94
480-155026-4	MW-3	110	80	104	89
480-155026-6	DUP	110	78	102	92
LCS 480-478505/5	Lab Control Sample	105	90	94	98
MB 480-478505/7	Method Blank	110	79	101	94
Surrogate Legend					
DCA = 1,2-Dichloroethane-d4 (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
DBFM = Dibromofluoromethane (Surr)					
TOL = Toluene-d8 (Surr)					

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (46-120)	PHL (22-120)	TPHd14 (59-136)	TBP (41-120)	FBP (48-120)	2FP (35-120)
480-155026-1	MW-2	83	42	81	112	95	60
480-155026-1 MS	MW-2	78	45	71	107	87	60
480-155026-1 MSD	MW-2	79	48	73	117	87	62
480-155026-2	MW-1	91	47	71	118	101	65

Eurofins TestAmerica, Buffalo

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (46-120)	PHL (22-120)	TPHd14 (59-136)	TBP (41-120)	FBP (48-120)	2FP (35-120)
480-155026-4	MW-3	84	54	64	117	93	65
480-155026-6	DUP	84	45	63	110	91	60
LCS 480-478404/2-A	Lab Control Sample	77	48	95	106	86	61
MB 480-478404/1-A	Method Blank	90	46	103	109	101	62
Surrogate Legend							
NBZ = Nitrobenzene-d5 (Surr)							
PHL = Phenol-d5 (Surr)							
TPHd14 = p-Terphenyl-d14 (Surr)							
TBP = 2,4,6-Tribromophenol (Surr)							
FBP = 2-Fluorobiphenyl							
2FP = 2-Fluorophenol (Surr)							

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (20-120)	DCBP2 (20-120)	TCX1 (44-120)	TCX2 (44-120)
480-155026-1	MW-2	56	58	86	79
480-155026-1 MS	MW-2	39	42	85	82
480-155026-1 MSD	MW-2	44	48	90	87
480-155026-2	MW-1	64	67	90	108
480-155026-6	DUP	63	66	84	78
LCS 480-478403/2-A	Lab Control Sample	46	49	83	71
MB 480-478403/1-A	Method Blank	52	53	78	68
Surrogate Legend					
DCBP = DCB Decachlorobiphenyl					
TCX = Tetrachloro-m-xylene					

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (39-121)	TCX2 (39-121)	DCBP1 (19-120)	DCBP2 (19-120)
480-155026-1	MW-2	98	76	77	64
480-155026-1 MS	MW-2	111	79	73	57
480-155026-1 MSD	MW-2	109	75	60	49
480-155026-2	MW-1	101	78	78	63
480-155026-6	DUP	121	88	97	78
LCS 480-478878/2-A	Lab Control Sample	107	79	46	39
MB 480-478878/1-A	Method Blank	104	72	61	51
Surrogate Legend					
TCX = Tetrachloro-m-xylene					
DCBP = DCB Decachlorobiphenyl					

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCPAA1 (48-132)	DCPAA2 (48-132)
480-155026-1	MW-2	51	61
480-155026-1 MS	MW-2	61	81
480-155026-1 MSD	MW-2	52	66
480-155026-5	MW-1	58	76
480-155026-6	DUP	60	71
LCS 480-478509/2-A	Lab Control Sample	63	79
MB 480-478509/1-A	Method Blank	66	76

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-603544/8

Matrix: Water

Analysis Batch: 603544

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.050	0.0058	ug/L			06/25/19 14:32	1
1,2-Dichloroethane	ND		0.050	0.0050	ug/L			06/25/19 14:32	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 130					06/25/19 14:32	1
4-Bromofluorobenzene (Surr)	99		70 - 130					06/25/19 14:32	1
Dibromofluoromethane (Surr)	101		70 - 130					06/25/19 14:32	1
Toluene-d8 (Surr)	97		70 - 130					06/25/19 14:32	1

Lab Sample ID: LCS 490-603544/4

Matrix: Water

Analysis Batch: 603544

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	1.00	1.14		ug/L		114	70 - 130
1,2-Dichloroethane	1.00	1.24		ug/L		124	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	97		70 - 130				
4-Bromofluorobenzene (Surr)	95		70 - 130				
Dibromofluoromethane (Surr)	100		70 - 130				
Toluene-d8 (Surr)	96		70 - 130				

Lab Sample ID: LCSD 490-603544/5

Matrix: Water

Analysis Batch: 603544

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane	1.00	1.03		ug/L		103	70 - 130	11	13
1,2-Dichloroethane	1.00	1.10		ug/L		110	70 - 130	12	13
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	97		70 - 130						
4-Bromofluorobenzene (Surr)	97		70 - 130						
Dibromofluoromethane (Surr)	101		70 - 130						
Toluene-d8 (Surr)	96		70 - 130						

Lab Sample ID: MB 490-603726/8

Matrix: Water

Analysis Batch: 603726

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.050	0.0058	ug/L			06/26/19 13:15	1
1,2-Dichloroethane	ND		0.050	0.0050	ug/L			06/26/19 13:15	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 130					06/26/19 13:15	1

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QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 8260B SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-603726/8

Matrix: Water

Analysis Batch: 603726

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130		06/26/19 13:15	1
Dibromofluoromethane (Surr)	101		70 - 130		06/26/19 13:15	1
Toluene-d8 (Surr)	96		70 - 130		06/26/19 13:15	1

Lab Sample ID: LCS 490-603726/4

Matrix: Water

Analysis Batch: 603726

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	1.00	1.04		ug/L		104	70 - 130
1,2-Dichloroethane	1.00	1.10		ug/L		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130
Toluene-d8 (Surr)	96		70 - 130

Lab Sample ID: LCSD 490-603726/5

Matrix: Water

Analysis Batch: 603726

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane	1.00	1.05		ug/L		105	70 - 130	1	13
1,2-Dichloroethane	1.00	1.11		ug/L		111	70 - 130	1	13

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130
Toluene-d8 (Surr)	96		70 - 130

Lab Sample ID: 480-155026-1 MS

Matrix: Water

Analysis Batch: 603726

Client Sample ID: MW-2

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	ND		1.00	1.02		ug/L		102	60 - 140
1,2-Dichloroethane	ND		1.00	1.09		ug/L		109	60 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 130
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
Toluene-d8 (Surr)	96		70 - 130

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 8260B SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-155026-1 MSD

Matrix: Water

Analysis Batch: 603726

Client Sample ID: MW-2

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane	ND		1.00	1.03		ug/L		103	60 - 140	1	21
1,2-Dichloroethane	ND		1.00	1.07		ug/L		107	60 - 140	1	22
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	95		70 - 130								
4-Bromofluorobenzene (Surr)	100		70 - 130								
Dibromofluoromethane (Surr)	99		70 - 130								
Toluene-d8 (Surr)	96		70 - 130								

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-478505/7

Matrix: Water

Analysis Batch: 478505

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/19/19 10:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/19/19 10:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/19/19 10:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/19/19 10:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/19/19 10:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/19/19 10:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/19/19 10:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/19/19 10:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/19/19 10:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/19/19 10:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/19/19 10:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/19/19 10:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/19/19 10:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/19/19 10:48	1
2-Hexanone	ND		5.0	1.2	ug/L			06/19/19 10:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/19/19 10:48	1
Acetone	ND		10	3.0	ug/L			06/19/19 10:48	1
Benzene	ND		1.0	0.41	ug/L			06/19/19 10:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/19/19 10:48	1
Bromoform	ND		1.0	0.26	ug/L			06/19/19 10:48	1
Bromomethane	ND		1.0	0.69	ug/L			06/19/19 10:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/19/19 10:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/19/19 10:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/19/19 10:48	1
Chloroethane	ND		1.0	0.32	ug/L			06/19/19 10:48	1
Chloroform	ND		1.0	0.34	ug/L			06/19/19 10:48	1
Chloromethane	ND		1.0	0.35	ug/L			06/19/19 10:48	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/19/19 10:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/19/19 10:48	1
Cyclohexane	ND		1.0	0.18	ug/L			06/19/19 10:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/19/19 10:48	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/19/19 10:48	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-478505/7

Matrix: Water

Analysis Batch: 478505

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			06/19/19 10:48	1
Ethylene Dibromide	ND		1.0	0.73	ug/L			06/19/19 10:48	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/19/19 10:48	1
Methyl acetate	ND		2.5	1.3	ug/L			06/19/19 10:48	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/19/19 10:48	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/19/19 10:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/19/19 10:48	1
Styrene	ND		1.0	0.73	ug/L			06/19/19 10:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/19/19 10:48	1
Toluene	ND		1.0	0.51	ug/L			06/19/19 10:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/19/19 10:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/19/19 10:48	1
Trichloroethene	ND		1.0	0.46	ug/L			06/19/19 10:48	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/19/19 10:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/19/19 10:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/19/19 10:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		06/19/19 10:48	1
4-Bromofluorobenzene (Surr)	79		73 - 120		06/19/19 10:48	1
Dibromofluoromethane (Surr)	101		75 - 123		06/19/19 10:48	1
Toluene-d8 (Surr)	94		80 - 120		06/19/19 10:48	1

Lab Sample ID: LCS 480-478505/5

Matrix: Water

Analysis Batch: 478505

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.3		ug/L		105	73 - 126
1,1,1,2-Tetrachloroethane	25.0	28.8		ug/L		115	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.3		ug/L		93	61 - 148
1,1,2-Trichloroethane	25.0	26.8		ug/L		107	76 - 122
1,1-Dichloroethane	25.0	25.9		ug/L		103	77 - 120
1,1-Dichloroethene	25.0	21.9		ug/L		87	66 - 127
1,2,4-Trichlorobenzene	25.0	24.8		ug/L		99	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	26.9		ug/L		107	56 - 134
1,2-Dichlorobenzene	25.0	25.8		ug/L		103	80 - 124
1,2-Dichloroethane	25.0	26.6		ug/L		106	75 - 120
1,2-Dichloropropane	25.0	27.0		ug/L		108	76 - 120
1,3-Dichlorobenzene	25.0	26.3		ug/L		105	77 - 120
1,4-Dichlorobenzene	25.0	25.8		ug/L		103	80 - 120
2-Butanone (MEK)	125	141		ug/L		113	57 - 140
2-Hexanone	125	146		ug/L		117	65 - 127
4-Methyl-2-pentanone (MIBK)	125	134		ug/L		107	71 - 125
Acetone	125	121		ug/L		97	56 - 142
Benzene	25.0	25.0		ug/L		100	71 - 124
Bromodichloromethane	25.0	24.6		ug/L		98	80 - 122
Bromoform	25.0	24.7		ug/L		99	61 - 132

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-478505/5

Matrix: Water

Analysis Batch: 478505

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	25.0	23.9		ug/L		96	55 - 144
Carbon disulfide	25.0	24.5		ug/L		98	59 - 134
Carbon tetrachloride	25.0	23.3		ug/L		93	72 - 134
Chlorobenzene	25.0	24.0		ug/L		96	80 - 120
Chloroethane	25.0	26.6		ug/L		106	69 - 136
Chloroform	25.0	24.7		ug/L		99	73 - 127
Chloromethane	25.0	24.5		ug/L		98	68 - 124
cis-1,2-Dichloroethene	25.0	23.2		ug/L		93	74 - 124
cis-1,3-Dichloropropene	25.0	25.5		ug/L		102	74 - 124
Cyclohexane	25.0	26.0		ug/L		104	59 - 135
Dibromochloromethane	25.0	23.3		ug/L		93	75 - 125
Dichlorodifluoromethane	25.0	26.8		ug/L		107	59 - 135
Ethylbenzene	25.0	25.6		ug/L		103	77 - 123
Ethylene Dibromide	25.0	25.1		ug/L		100	77 - 120
Isopropylbenzene	25.0	26.2		ug/L		105	77 - 122
Methyl acetate	50.0	56.2		ug/L		112	74 - 133
Methyl tert-butyl ether	25.0	25.2		ug/L		101	77 - 120
Methylcyclohexane	25.0	24.4		ug/L		98	68 - 134
Methylene Chloride	25.0	24.6		ug/L		98	75 - 124
Styrene	25.0	23.8		ug/L		95	80 - 120
Tetrachloroethene	25.0	21.4		ug/L		85	74 - 122
Toluene	25.0	24.5		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	24.1		ug/L		96	73 - 127
trans-1,3-Dichloropropene	25.0	27.8		ug/L		111	80 - 120
Trichloroethene	25.0	23.9		ug/L		96	74 - 123
Trichlorofluoromethane	25.0	24.1		ug/L		97	62 - 150
Vinyl chloride	25.0	25.2		ug/L		101	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		77 - 120
4-Bromofluorobenzene (Surr)	90		73 - 120
Dibromofluoromethane (Surr)	94		75 - 123
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: 480-155026-1 MS

Matrix: Water

Analysis Batch: 478505

Client Sample ID: MW-2

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		50.0	57.1		ug/L		114	73 - 126
1,1,2,2-Tetrachloroethane	ND		50.0	57.8		ug/L		116	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	47.9		ug/L		96	61 - 148
1,1,2-Trichloroethane	ND		50.0	50.9		ug/L		102	76 - 122
1,1-Dichloroethane	ND		50.0	55.8		ug/L		112	77 - 120
1,1-Dichloroethene	ND		50.0	52.9		ug/L		106	66 - 127
1,2,4-Trichlorobenzene	ND		50.0	48.2		ug/L		96	79 - 122
1,2-Dibromo-3-Chloropropane	ND		50.0	51.8		ug/L		104	56 - 134
1,2-Dichlorobenzene	ND		50.0	53.8		ug/L		108	80 - 124

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-155026-1 MS

Matrix: Water

Analysis Batch: 478505

Client Sample ID: MW-2

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	ND		50.0	53.8		ug/L		108	75 - 120
1,2-Dichloropropane	ND		50.0	57.2		ug/L		114	76 - 120
1,3-Dichlorobenzene	ND		50.0	52.8		ug/L		106	77 - 120
1,4-Dichlorobenzene	ND		50.0	51.7		ug/L		103	78 - 124
2-Butanone (MEK)	ND		250	255		ug/L		102	57 - 140
2-Hexanone	ND		250	265		ug/L		106	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		250	255		ug/L		102	71 - 125
Acetone	15	J	250	221		ug/L		82	56 - 142
Benzene	ND		50.0	53.8		ug/L		108	71 - 124
Bromodichloromethane	ND		50.0	50.8		ug/L		102	80 - 122
Bromoform	ND		50.0	45.6		ug/L		91	61 - 132
Bromomethane	ND		50.0	46.3		ug/L		93	55 - 144
Carbon disulfide	ND		50.0	51.4		ug/L		103	59 - 134
Carbon tetrachloride	ND		50.0	51.5		ug/L		103	72 - 134
Chlorobenzene	ND		50.0	48.3		ug/L		97	80 - 120
Chloroethane	ND		50.0	51.8		ug/L		104	69 - 136
Chloroform	ND		50.0	51.7		ug/L		103	73 - 127
Chloromethane	ND		50.0	49.7		ug/L		99	68 - 124
cis-1,2-Dichloroethene	ND		50.0	48.6		ug/L		97	74 - 124
cis-1,3-Dichloropropene	ND		50.0	50.8		ug/L		102	74 - 124
Cyclohexane	ND		50.0	58.7		ug/L		117	59 - 135
Dibromochloromethane	ND		50.0	45.1		ug/L		90	75 - 125
Dichlorodifluoromethane	ND		50.0	56.4		ug/L		113	59 - 135
Ethylbenzene	ND		50.0	53.6		ug/L		107	77 - 123
Ethylene Dibromide	ND		50.0	49.6		ug/L		99	77 - 120
Isopropylbenzene	ND		50.0	56.1		ug/L		112	77 - 122
Methyl acetate	ND		100	106		ug/L		106	74 - 133
Methyl tert-butyl ether	0.33	J	50.0	53.1		ug/L		106	77 - 120
Methylcyclohexane	ND		50.0	50.7		ug/L		101	68 - 134
Methylene Chloride	ND		50.0	52.5		ug/L		105	75 - 124
Styrene	ND		50.0	48.3		ug/L		97	80 - 120
Tetrachloroethene	ND		50.0	43.7		ug/L		87	74 - 122
Toluene	ND		50.0	51.7		ug/L		103	80 - 122
trans-1,2-Dichloroethene	ND		50.0	52.5		ug/L		105	73 - 127
trans-1,3-Dichloropropene	ND		50.0	53.2		ug/L		106	80 - 120
Trichloroethene	ND		50.0	50.6		ug/L		101	74 - 123
Trichlorofluoromethane	ND		50.0	47.6		ug/L		95	62 - 150
Vinyl chloride	ND		50.0	53.8		ug/L		108	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
4-Bromofluorobenzene (Surr)	89		73 - 120
Dibromofluoromethane (Surr)	94		75 - 123
Toluene-d8 (Surr)	96		80 - 120

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-155026-1 MSD

Matrix: Water

Analysis Batch: 478505

Client Sample ID: MW-2

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		50.0	56.3		ug/L		113	73 - 126	1	15
1,1,2,2-Tetrachloroethane	ND		50.0	57.1		ug/L		114	76 - 120	1	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	49.9		ug/L		100	61 - 148	4	20
1,1,2-Trichloroethane	ND		50.0	53.2		ug/L		106	76 - 122	5	15
1,1-Dichloroethane	ND		50.0	56.4		ug/L		113	77 - 120	1	20
1,1-Dichloroethene	ND		50.0	52.4		ug/L		105	66 - 127	1	16
1,2,4-Trichlorobenzene	ND		50.0	50.9		ug/L		102	79 - 122	6	20
1,2-Dibromo-3-Chloropropane	ND		50.0	54.9		ug/L		110	56 - 134	6	15
1,2-Dichlorobenzene	ND		50.0	53.1		ug/L		106	80 - 124	1	20
1,2-Dichloroethane	ND		50.0	54.4		ug/L		109	75 - 120	1	20
1,2-Dichloropropane	ND		50.0	56.3		ug/L		113	76 - 120	2	20
1,3-Dichlorobenzene	ND		50.0	52.3		ug/L		105	77 - 120	1	20
1,4-Dichlorobenzene	ND		50.0	50.1		ug/L		100	78 - 124	3	20
2-Butanone (MEK)	ND		250	260		ug/L		104	57 - 140	2	20
2-Hexanone	ND		250	268		ug/L		107	65 - 127	1	15
4-Methyl-2-pentanone (MIBK)	ND		250	259		ug/L		104	71 - 125	1	35
Acetone	15 J		250	234		ug/L		88	56 - 142	6	15
Benzene	ND		50.0	54.4		ug/L		109	71 - 124	1	13
Bromodichloromethane	ND		50.0	52.8		ug/L		106	80 - 122	4	15
Bromoform	ND		50.0	47.2		ug/L		94	61 - 132	3	15
Bromomethane	ND		50.0	48.4		ug/L		97	55 - 144	4	15
Carbon disulfide	ND		50.0	52.7		ug/L		105	59 - 134	3	15
Carbon tetrachloride	ND		50.0	49.6		ug/L		99	72 - 134	4	15
Chlorobenzene	ND		50.0	48.4		ug/L		97	80 - 120	0	25
Chloroethane	ND		50.0	54.7		ug/L		109	69 - 136	5	15
Chloroform	ND		50.0	51.3		ug/L		103	73 - 127	1	20
Chloromethane	ND		50.0	50.6		ug/L		101	68 - 124	2	15
cis-1,2-Dichloroethene	ND		50.0	51.6		ug/L		103	74 - 124	6	15
cis-1,3-Dichloropropene	ND		50.0	50.1		ug/L		100	74 - 124	1	15
Cyclohexane	ND		50.0	60.4		ug/L		121	59 - 135	3	20
Dibromochloromethane	ND		50.0	47.3		ug/L		95	75 - 125	5	15
Dichlorodifluoromethane	ND		50.0	55.2		ug/L		110	59 - 135	2	20
Ethylbenzene	ND		50.0	53.8		ug/L		108	77 - 123	0	15
Ethylene Dibromide	ND		50.0	47.8		ug/L		96	77 - 120	4	15
Isopropylbenzene	ND		50.0	54.4		ug/L		109	77 - 122	3	20
Methyl acetate	ND		100	106		ug/L		106	74 - 133	0	20
Methyl tert-butyl ether	0.33 J		50.0	54.3		ug/L		108	77 - 120	2	37
Methylcyclohexane	ND		50.0	52.1		ug/L		104	68 - 134	3	20
Methylene Chloride	ND		50.0	52.6		ug/L		105	75 - 124	0	15
Styrene	ND		50.0	47.7		ug/L		95	80 - 120	1	20
Tetrachloroethene	ND		50.0	43.1		ug/L		86	74 - 122	1	20
Toluene	ND		50.0	50.3		ug/L		101	80 - 122	3	15
trans-1,2-Dichloroethene	ND		50.0	55.4		ug/L		111	73 - 127	5	20
trans-1,3-Dichloropropene	ND		50.0	53.9		ug/L		108	80 - 120	1	15
Trichloroethene	ND		50.0	52.5		ug/L		105	74 - 123	4	16
Trichlorofluoromethane	ND		50.0	48.7		ug/L		97	62 - 150	2	20
Vinyl chloride	ND		50.0	52.7		ug/L		105	65 - 133	2	15

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-155026-1 MSD

Matrix: Water

Analysis Batch: 478505

Client Sample ID: MW-2

Prep Type: Total/NA

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		77 - 120
4-Bromofluorobenzene (Surr)	88		73 - 120
Dibromofluoromethane (Surr)	99		75 - 123
Toluene-d8 (Surr)	97		80 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-478404/1-A

Matrix: Water

Analysis Batch: 479803

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 478404

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		06/18/19 15:18	06/27/19 10:06	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		06/18/19 15:18	06/27/19 10:06	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		06/18/19 15:18	06/27/19 10:06	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		06/18/19 15:18	06/27/19 10:06	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		06/18/19 15:18	06/27/19 10:06	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		06/18/19 15:18	06/27/19 10:06	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		06/18/19 15:18	06/27/19 10:06	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		06/18/19 15:18	06/27/19 10:06	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 10:06	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		06/18/19 15:18	06/27/19 10:06	1
2-Chlorophenol	ND		5.0	0.53	ug/L		06/18/19 15:18	06/27/19 10:06	1
2-Methylphenol	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 10:06	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		06/18/19 15:18	06/27/19 10:06	1
2-Nitroaniline	ND		10	0.42	ug/L		06/18/19 15:18	06/27/19 10:06	1
2-Nitrophenol	ND		5.0	0.48	ug/L		06/18/19 15:18	06/27/19 10:06	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 10:06	1
3-Nitroaniline	ND		10	0.48	ug/L		06/18/19 15:18	06/27/19 10:06	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		06/18/19 15:18	06/27/19 10:06	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		06/18/19 15:18	06/27/19 10:06	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		06/18/19 15:18	06/27/19 10:06	1
4-Chloroaniline	ND		5.0	0.59	ug/L		06/18/19 15:18	06/27/19 10:06	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		06/18/19 15:18	06/27/19 10:06	1
4-Methylphenol	ND		10	0.36	ug/L		06/18/19 15:18	06/27/19 10:06	1
4-Nitroaniline	ND		10	0.25	ug/L		06/18/19 15:18	06/27/19 10:06	1
4-Nitrophenol	ND		10	1.5	ug/L		06/18/19 15:18	06/27/19 10:06	1
Acenaphthene	ND		5.0	0.41	ug/L		06/18/19 15:18	06/27/19 10:06	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/18/19 15:18	06/27/19 10:06	1
Acetophenone	ND		5.0	0.54	ug/L		06/18/19 15:18	06/27/19 10:06	1
Anthracene	ND		5.0	0.28	ug/L		06/18/19 15:18	06/27/19 10:06	1
Atrazine	ND		5.0	0.46	ug/L		06/18/19 15:18	06/27/19 10:06	1
Benzaldehyde	ND		5.0	0.27	ug/L		06/18/19 15:18	06/27/19 10:06	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		06/18/19 15:18	06/27/19 10:06	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		06/18/19 15:18	06/27/19 10:06	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		06/18/19 15:18	06/27/19 10:06	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		06/18/19 15:18	06/27/19 10:06	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		06/18/19 15:18	06/27/19 10:06	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		06/18/19 15:18	06/27/19 10:06	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-478404/1-A

Matrix: Water

Analysis Batch: 479803

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 478404

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 10:06	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		06/18/19 15:18	06/27/19 10:06	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		06/18/19 15:18	06/27/19 10:06	1
Caprolactam	ND		5.0	2.2	ug/L		06/18/19 15:18	06/27/19 10:06	1
Carbazole	ND		5.0	0.30	ug/L		06/18/19 15:18	06/27/19 10:06	1
Chrysene	ND		5.0	0.33	ug/L		06/18/19 15:18	06/27/19 10:06	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/18/19 15:18	06/27/19 10:06	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		06/18/19 15:18	06/27/19 10:06	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		06/18/19 15:18	06/27/19 10:06	1
Dibenzofuran	ND		10	0.51	ug/L		06/18/19 15:18	06/27/19 10:06	1
Diethyl phthalate	ND		5.0	0.22	ug/L		06/18/19 15:18	06/27/19 10:06	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		06/18/19 15:18	06/27/19 10:06	1
Fluoranthene	ND		5.0	0.40	ug/L		06/18/19 15:18	06/27/19 10:06	1
Fluorene	0.397	J	5.0	0.36	ug/L		06/18/19 15:18	06/27/19 10:06	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		06/18/19 15:18	06/27/19 10:06	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		06/18/19 15:18	06/27/19 10:06	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		06/18/19 15:18	06/27/19 10:06	1
Hexachloroethane	ND		5.0	0.59	ug/L		06/18/19 15:18	06/27/19 10:06	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		06/18/19 15:18	06/27/19 10:06	1
Isophorone	ND		5.0	0.43	ug/L		06/18/19 15:18	06/27/19 10:06	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		06/18/19 15:18	06/27/19 10:06	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		06/18/19 15:18	06/27/19 10:06	1
Naphthalene	ND		5.0	0.76	ug/L		06/18/19 15:18	06/27/19 10:06	1
Nitrobenzene	ND		5.0	0.29	ug/L		06/18/19 15:18	06/27/19 10:06	1
Pentachlorophenol	ND		10	2.2	ug/L		06/18/19 15:18	06/27/19 10:06	1
Phenanthrene	1.62	J	5.0	0.44	ug/L		06/18/19 15:18	06/27/19 10:06	1
Phenol	ND		5.0	0.39	ug/L		06/18/19 15:18	06/27/19 10:06	1
Pyrene	ND		5.0	0.34	ug/L		06/18/19 15:18	06/27/19 10:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	90		46 - 120	06/18/19 15:18	06/27/19 10:06	1
Phenol-d5 (Surr)	46		22 - 120	06/18/19 15:18	06/27/19 10:06	1
p-Terphenyl-d14 (Surr)	103		59 - 136	06/18/19 15:18	06/27/19 10:06	1
2,4,6-Tribromophenol (Surr)	109		41 - 120	06/18/19 15:18	06/27/19 10:06	1
2-Fluorobiphenyl	101		48 - 120	06/18/19 15:18	06/27/19 10:06	1
2-Fluorophenol (Surr)	62		35 - 120	06/18/19 15:18	06/27/19 10:06	1

Lab Sample ID: LCS 480-478404/2-A

Matrix: Water

Analysis Batch: 479803

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 478404

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biphenyl	32.0	27.5		ug/L		86	59 - 120
bis (2-chloroisopropyl) ether	32.0	21.5		ug/L		67	21 - 136
2,4,5-Trichlorophenol	32.0	31.6		ug/L		99	65 - 126
2,4,6-Trichlorophenol	32.0	32.3		ug/L		101	64 - 120
2,4-Dichlorophenol	32.0	29.5		ug/L		92	63 - 120
2,4-Dimethylphenol	32.0	28.9		ug/L		90	47 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-478404/2-A

Matrix: Water

Analysis Batch: 479803

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 478404

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrophenol	64.0	76.4		ug/L		119	31 - 137
2,4-Dinitrotoluene	32.0	32.7		ug/L		102	69 - 120
2,6-Dinitrotoluene	32.0	31.4		ug/L		98	68 - 120
2-Chloronaphthalene	32.0	27.6		ug/L		86	58 - 120
2-Chlorophenol	32.0	25.4		ug/L		79	48 - 120
2-Methylphenol	32.0	27.5		ug/L		86	39 - 120
2-Methylnaphthalene	32.0	28.0		ug/L		88	59 - 120
2-Nitroaniline	32.0	31.3		ug/L		98	54 - 127
2-Nitrophenol	32.0	27.9		ug/L		87	52 - 125
3,3'-Dichlorobenzidine	64.0	77.8		ug/L		121	49 - 135
3-Nitroaniline	32.0	25.8		ug/L		81	51 - 120
4,6-Dinitro-2-methylphenol	64.0	74.8		ug/L		117	46 - 136
4-Bromophenyl phenyl ether	32.0	30.3		ug/L		95	65 - 120
4-Chloro-3-methylphenol	32.0	28.9		ug/L		90	61 - 123
4-Chloroaniline	32.0	18.6		ug/L		58	30 - 120
4-Chlorophenyl phenyl ether	32.0	30.5		ug/L		95	62 - 120
4-Methylphenol	32.0	25.6		ug/L		80	29 - 131
4-Nitroaniline	32.0	29.0		ug/L		91	65 - 120
4-Nitrophenol	64.0	77.7 *		ug/L		121	45 - 120
Acenaphthene	32.0	29.5		ug/L		92	60 - 120
Acenaphthylene	32.0	30.1		ug/L		94	63 - 120
Acetophenone	32.0	28.0		ug/L		88	45 - 120
Anthracene	32.0	30.0		ug/L		94	67 - 120
Atrazine	64.0	74.2		ug/L		116	71 - 130
Benzaldehyde	64.0	46.8		ug/L		73	10 - 140
Benzo[a]anthracene	32.0	31.0		ug/L		97	70 - 121
Benzo[a]pyrene	32.0	28.9		ug/L		90	60 - 123
Benzo[b]fluoranthene	32.0	30.2		ug/L		94	66 - 126
Benzo[g,h,i]perylene	32.0	33.1		ug/L		103	66 - 150
Benzo[k]fluoranthene	32.0	32.5		ug/L		101	65 - 124
Bis(2-chloroethoxy)methane	32.0	25.1		ug/L		78	50 - 128
Bis(2-chloroethyl)ether	32.0	24.9		ug/L		78	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	34.8		ug/L		109	63 - 139
Butyl benzyl phthalate	32.0	32.6		ug/L		102	70 - 129
Caprolactam	64.0	20.4		ug/L		32	22 - 120
Carbazole	32.0	30.9		ug/L		96	66 - 123
Chrysene	32.0	33.2		ug/L		104	69 - 120
Dibenz(a,h)anthracene	32.0	33.0		ug/L		103	65 - 135
Di-n-butyl phthalate	32.0	32.6		ug/L		102	69 - 131
Di-n-octyl phthalate	32.0	33.0		ug/L		103	63 - 140
Dibenzofuran	32.0	29.2		ug/L		91	66 - 120
Diethyl phthalate	32.0	34.6		ug/L		108	59 - 127
Dimethyl phthalate	32.0	32.4		ug/L		101	68 - 120
Fluoranthene	32.0	32.5		ug/L		102	69 - 126
Fluorene	32.0	30.6		ug/L		96	66 - 120
Hexachlorobenzene	32.0	30.9		ug/L		97	61 - 120
Hexachlorobutadiene	32.0	27.4		ug/L		85	35 - 120
Hexachlorocyclopentadiene	32.0	26.6		ug/L		83	31 - 120
Hexachloroethane	32.0	24.4		ug/L		76	43 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-478404/2-A

Matrix: Water

Analysis Batch: 479803

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 478404

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Indeno[1,2,3-cd]pyrene	32.0	33.0		ug/L		103	69 - 146
Isophorone	32.0	27.5		ug/L		86	55 - 120
N-Nitrosodi-n-propylamine	32.0	26.9		ug/L		84	32 - 140
N-Nitrosodiphenylamine	32.0	28.8		ug/L		90	61 - 120
Naphthalene	32.0	26.7		ug/L		83	57 - 120
Nitrobenzene	32.0	27.3		ug/L		85	53 - 123
Pentachlorophenol	64.0	72.7		ug/L		114	29 - 136
Phenanthrene	32.0	31.4		ug/L		98	68 - 120
Phenol	32.0	18.0		ug/L		56	17 - 120
Pyrene	32.0	31.3		ug/L		98	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	77		46 - 120
Phenol-d5 (Surr)	48		22 - 120
p-Terphenyl-d14 (Surr)	95		59 - 136
2,4,6-Tribromophenol (Surr)	106		41 - 120
2-Fluorobiphenyl	86		48 - 120
2-Fluorophenol (Surr)	61		35 - 120

Lab Sample ID: 480-155026-1 MS

Matrix: Water

Analysis Batch: 479803

Client Sample ID: MW-2

Prep Type: Total/NA

Prep Batch: 478404

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Biphenyl	ND		32.0	28.2		ug/L		88	57 - 120
bis (2-chloroisopropyl) ether	ND		32.0	21.6		ug/L		67	28 - 121
2,4,5-Trichlorophenol	ND		32.0	32.5		ug/L		101	65 - 126
2,4,6-Trichlorophenol	ND		32.0	36.6		ug/L		114	64 - 120
2,4-Dichlorophenol	ND		32.0	30.8		ug/L		96	48 - 132
2,4-Dimethylphenol	ND		32.0	29.3		ug/L		92	39 - 130
2,4-Dinitrophenol	ND		64.0	69.5		ug/L		109	21 - 150
2,4-Dinitrotoluene	ND		32.0	29.1		ug/L		91	54 - 138
2,6-Dinitrotoluene	ND		32.0	29.3		ug/L		92	17 - 150
2-Chloronaphthalene	ND		32.0	27.8		ug/L		87	52 - 124
2-Chlorophenol	ND		32.0	25.4		ug/L		79	48 - 120
2-Methylphenol	ND		32.0	24.7		ug/L		77	46 - 120
2-Methylnaphthalene	ND		32.0	28.8		ug/L		90	34 - 140
2-Nitroaniline	ND		32.0	28.2		ug/L		88	44 - 136
2-Nitrophenol	ND		32.0	28.6		ug/L		89	38 - 141
3,3'-Dichlorobenzidine	ND		64.0	37.2		ug/L		58	10 - 150
3-Nitroaniline	ND		32.0	20.8		ug/L		65	32 - 150
4,6-Dinitro-2-methylphenol	ND		64.0	76.7		ug/L		120	38 - 150
4-Bromophenyl phenyl ether	ND		32.0	30.5		ug/L		95	63 - 126
4-Chloro-3-methylphenol	ND		32.0	29.6		ug/L		93	64 - 127
4-Chloroaniline	ND		32.0	13.9		ug/L		44	16 - 124
4-Chlorophenyl phenyl ether	ND		32.0	27.8		ug/L		87	61 - 120
4-Methylphenol	12		32.0	36.4		ug/L		76	36 - 120
4-Nitroaniline	ND		32.0	28.2		ug/L		88	32 - 150

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-155026-1 MS

Matrix: Water

Analysis Batch: 479803

Client Sample ID: MW-2

Prep Type: Total/NA

Prep Batch: 478404

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitrophenol	ND	*	64.0	73.1		ug/L		114	23 - 132
Acenaphthene	ND		32.0	29.9		ug/L		94	48 - 120
Acenaphthylene	ND		32.0	29.6		ug/L		93	63 - 120
Acetophenone	ND		32.0	28.5		ug/L		89	53 - 120
Anthracene	ND		32.0	30.1		ug/L		94	65 - 122
Atrazine	ND		64.0	64.3		ug/L		100	50 - 150
Benzaldehyde	ND		64.0	44.9		ug/L		70	10 - 150
Benzo[a]anthracene	ND		32.0	29.7		ug/L		93	43 - 124
Benzo[a]pyrene	ND		32.0	27.2		ug/L		85	23 - 125
Benzo[b]fluoranthene	ND		32.0	27.8		ug/L		87	27 - 127
Benzo[g,h,i]perylene	ND		32.0	31.3		ug/L		98	16 - 147
Benzo[k]fluoranthene	ND		32.0	30.2		ug/L		94	20 - 124
Bis(2-chloroethoxy)methane	ND		32.0	25.3		ug/L		79	44 - 128
Bis(2-chloroethyl)ether	ND		32.0	25.9		ug/L		81	45 - 120
Bis(2-ethylhexyl) phthalate	ND		32.0	31.7		ug/L		99	16 - 150
Butyl benzyl phthalate	ND		32.0	31.3		ug/L		98	51 - 140
Caprolactam	ND		64.0	19.7		ug/L		31	10 - 120
Carbazole	ND		32.0	33.1		ug/L		103	16 - 148
Chrysene	ND		32.0	31.0		ug/L		97	44 - 122
Dibenz(a,h)anthracene	ND		32.0	31.5		ug/L		98	16 - 139
Di-n-butyl phthalate	ND		32.0	32.2		ug/L		101	65 - 129
Di-n-octyl phthalate	ND		32.0	31.0		ug/L		97	16 - 150
Dibenzofuran	ND		32.0	29.1		ug/L		91	60 - 120
Diethyl phthalate	ND		32.0	30.1		ug/L		94	53 - 133
Dimethyl phthalate	ND		32.0	29.2		ug/L		91	59 - 123
Fluoranthene	ND		32.0	32.9		ug/L		103	63 - 129
Fluorene	0.38	J B	32.0	28.4		ug/L		88	62 - 120
Hexachlorobenzene	ND		32.0	31.7		ug/L		99	57 - 121
Hexachlorobutadiene	ND		32.0	27.5		ug/L		86	37 - 120
Hexachlorocyclopentadiene	ND		32.0	27.5		ug/L		86	21 - 120
Hexachloroethane	ND		32.0	24.1		ug/L		75	16 - 130
Indeno[1,2,3-cd]pyrene	ND		32.0	31.6		ug/L		99	16 - 140
Isophorone	ND		32.0	28.1		ug/L		88	48 - 133
N-Nitrosodi-n-propylamine	ND		32.0	26.7		ug/L		83	49 - 120
N-Nitrosodiphenylamine	ND		32.0	28.6		ug/L		90	39 - 138
Naphthalene	ND		32.0	27.2		ug/L		85	45 - 120
Nitrobenzene	ND		32.0	28.7		ug/L		90	45 - 123
Pentachlorophenol	ND		64.0	82.7		ug/L		129	23 - 149
Phenanthrene	1.7	J B	32.0	34.2		ug/L		101	65 - 122
Phenol	ND		32.0	16.7		ug/L		52	16 - 120
Pyrene	ND		32.0	29.5		ug/L		92	58 - 128
MS MS									
Surrogate	%Recovery	Qualifier	Limits						
Nitrobenzene-d5 (Surr)	78		46 - 120						
Phenol-d5 (Surr)	45		22 - 120						
p-Terphenyl-d14 (Surr)	71		59 - 136						
2,4,6-Tribromophenol (Surr)	107		41 - 120						
2-Fluorobiphenyl	87		48 - 120						

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-155026-1 MS

Matrix: Water

Analysis Batch: 479803

Client Sample ID: MW-2

Prep Type: Total/NA

Prep Batch: 478404

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorophenol (Surr)	60		35 - 120

Lab Sample ID: 480-155026-1 MSD

Matrix: Water

Analysis Batch: 479803

Client Sample ID: MW-2

Prep Type: Total/NA

Prep Batch: 478404

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Biphenyl	ND		32.0	28.0		ug/L		87	57 - 120	1	20
bis (2-chloroisopropyl) ether	ND		32.0	22.0		ug/L		69	28 - 121	2	24
2,4,5-Trichlorophenol	ND		32.0	32.3		ug/L		101	65 - 126	0	18
2,4,6-Trichlorophenol	ND		32.0	33.8		ug/L		106	64 - 120	8	19
2,4-Dichlorophenol	ND		32.0	30.4		ug/L		95	48 - 132	1	19
2,4-Dimethylphenol	ND		32.0	29.6		ug/L		92	39 - 130	1	42
2,4-Dinitrophenol	ND		64.0	66.8		ug/L		104	21 - 150	4	22
2,4-Dinitrotoluene	ND		32.0	28.5		ug/L		89	54 - 138	2	20
2,6-Dinitrotoluene	ND		32.0	31.2		ug/L		97	17 - 150	6	15
2-Chloronaphthalene	ND		32.0	28.0		ug/L		88	52 - 124	1	21
2-Chlorophenol	ND		32.0	25.9		ug/L		81	48 - 120	2	25
2-Methylphenol	ND		32.0	28.9		ug/L		90	46 - 120	16	27
2-Methylnaphthalene	ND		32.0	28.4		ug/L		89	34 - 140	2	21
2-Nitroaniline	ND		32.0	31.3		ug/L		98	44 - 136	10	15
2-Nitrophenol	ND		32.0	28.9		ug/L		90	38 - 141	1	18
3,3'-Dichlorobenzidine	ND		64.0	30.1		ug/L		47	10 - 150	21	25
3-Nitroaniline	ND		32.0	24.5		ug/L		77	32 - 150	17	19
4,6-Dinitro-2-methylphenol	ND		64.0	77.3		ug/L		121	38 - 150	1	15
4-Bromophenyl phenyl ether	ND		32.0	31.3		ug/L		98	63 - 126	3	15
4-Chloro-3-methylphenol	ND		32.0	29.5		ug/L		92	64 - 127	0	27
4-Chloroaniline	ND		32.0	16.0		ug/L		50	16 - 124	14	22
4-Chlorophenyl phenyl ether	ND		32.0	30.5		ug/L		95	61 - 120	9	16
4-Methylphenol	12		32.0	36.7		ug/L		78	36 - 120	1	24
4-Nitroaniline	ND		32.0	28.0		ug/L		88	32 - 150	1	24
4-Nitrophenol	ND *		64.0	71.4		ug/L		112	23 - 132	2	48
Acenaphthene	ND		32.0	29.7		ug/L		93	48 - 120	1	24
Acenaphthylene	ND		32.0	29.9		ug/L		93	63 - 120	1	18
Acetophenone	ND		32.0	29.0		ug/L		91	53 - 120	2	20
Anthracene	ND		32.0	31.5		ug/L		99	65 - 122	5	15
Atrazine	ND		64.0	65.8		ug/L		103	50 - 150	2	20
Benzaldehyde	ND		64.0	49.2		ug/L		77	10 - 150	9	20
Benzo[a]anthracene	ND		32.0	29.2		ug/L		91	43 - 124	2	15
Benzo[a]pyrene	ND		32.0	27.7		ug/L		86	23 - 125	2	15
Benzo[b]fluoranthene	ND		32.0	29.2		ug/L		91	27 - 127	5	15
Benzo[g,h,i]perylene	ND		32.0	31.5		ug/L		98	16 - 147	0	15
Benzo[k]fluoranthene	ND		32.0	30.8		ug/L		96	20 - 124	2	22
Bis(2-chloroethoxy)methane	ND		32.0	25.2		ug/L		79	44 - 128	0	17
Bis(2-chloroethyl)ether	ND		32.0	24.1		ug/L		75	45 - 120	7	21
Bis(2-ethylhexyl) phthalate	ND		32.0	31.7		ug/L		99	16 - 150	0	15
Butyl benzyl phthalate	ND		32.0	31.1		ug/L		97	51 - 140	1	16
Caprolactam	ND		64.0	19.0		ug/L		30	10 - 120	4	20

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-155026-1 MSD

Matrix: Water

Analysis Batch: 479803

Client Sample ID: MW-2

Prep Type: Total/NA

Prep Batch: 478404

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbazole	ND		32.0	33.4		ug/L		104	16 - 148	1	20
Chrysene	ND		32.0	30.2		ug/L		94	44 - 122	3	15
Dibenz(a,h)anthracene	ND		32.0	31.4		ug/L		98	16 - 139	0	15
Di-n-butyl phthalate	ND		32.0	32.8		ug/L		102	65 - 129	2	15
Di-n-octyl phthalate	ND		32.0	30.8		ug/L		96	16 - 150	1	16
Dibenzofuran	ND		32.0	29.4		ug/L		92	60 - 120	1	15
Diethyl phthalate	ND		32.0	29.5		ug/L		92	53 - 133	2	15
Dimethyl phthalate	ND		32.0	29.2		ug/L		91	59 - 123	0	15
Fluoranthene	ND		32.0	33.2		ug/L		104	63 - 129	1	15
Fluorene	0.38	J B	32.0	28.3		ug/L		87	62 - 120	0	15
Hexachlorobenzene	ND		32.0	34.5		ug/L		108	57 - 121	9	15
Hexachlorobutadiene	ND		32.0	28.0		ug/L		87	37 - 120	2	44
Hexachlorocyclopentadiene	ND		32.0	28.5		ug/L		89	21 - 120	3	49
Hexachloroethane	ND		32.0	24.3		ug/L		76	16 - 130	1	46
Indeno[1,2,3-cd]pyrene	ND		32.0	31.0		ug/L		97	16 - 140	2	15
Isophorone	ND		32.0	27.9		ug/L		87	48 - 133	1	17
N-Nitrosodi-n-propylamine	ND		32.0	26.5		ug/L		83	49 - 120	1	31
N-Nitrosodiphenylamine	ND		32.0	28.5		ug/L		89	39 - 138	1	15
Naphthalene	ND		32.0	27.5		ug/L		86	45 - 120	1	29
Nitrobenzene	ND		32.0	28.0		ug/L		88	45 - 123	2	24
Pentachlorophenol	ND		64.0	77.5		ug/L		121	23 - 149	6	37
Phenanthrene	1.7	J B	32.0	35.4		ug/L		105	65 - 122	4	15
Phenol	ND		32.0	17.7		ug/L		55	16 - 120	6	34
Pyrene	ND		32.0	29.4		ug/L		92	58 - 128	0	19

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Nitrobenzene-d5 (Surr)	79		46 - 120
Phenol-d5 (Surr)	48		22 - 120
p-Terphenyl-d14 (Surr)	73		59 - 136
2,4,6-Tribromophenol (Surr)	117		41 - 120
2-Fluorobiphenyl	87		48 - 120
2-Fluorophenol (Surr)	62		35 - 120

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-478403/1-A

Matrix: Water

Analysis Batch: 478492

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 478403

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.50	0.29	ug/L		06/18/19 15:12	06/19/19 10:35	1
Endrin	ND		0.050	0.014	ug/L		06/18/19 15:12	06/19/19 10:35	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		06/18/19 15:12	06/19/19 10:35	1
Heptachlor	ND		0.050	0.0085	ug/L		06/18/19 15:12	06/19/19 10:35	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		06/18/19 15:12	06/19/19 10:35	1
Methoxychlor	ND		0.050	0.014	ug/L		06/18/19 15:12	06/19/19 10:35	1
Toxaphene	ND		0.50	0.12	ug/L		06/18/19 15:12	06/19/19 10:35	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 480-478403/1-A

Matrix: Water

Analysis Batch: 478492

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 478403

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	52		20 - 120	06/18/19 15:12	06/19/19 10:35	1
DCB Decachlorobiphenyl	53		20 - 120	06/18/19 15:12	06/19/19 10:35	1
Tetrachloro-m-xylene	78		44 - 120	06/18/19 15:12	06/19/19 10:35	1
Tetrachloro-m-xylene	68		44 - 120	06/18/19 15:12	06/19/19 10:35	1

Lab Sample ID: LCS 480-478403/2-A

Matrix: Water

Analysis Batch: 478492

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 478403

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endrin	0.400	0.472		ug/L		118	65 - 135
gamma-BHC (Lindane)	0.400	0.399		ug/L		100	56 - 120
Heptachlor	0.400	0.396		ug/L		99	58 - 120
Heptachlor epoxide	0.400	0.448		ug/L		112	65 - 125
Methoxychlor	0.400	0.448		ug/L		112	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	46		20 - 120
DCB Decachlorobiphenyl	49		20 - 120
Tetrachloro-m-xylene	83		44 - 120
Tetrachloro-m-xylene	71		44 - 120

Lab Sample ID: 480-155026-1 MS

Matrix: Water

Analysis Batch: 478492

Client Sample ID: MW-2

Prep Type: Total/NA

Prep Batch: 478403

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Endrin	ND		0.400	0.408		ug/L		102	54 - 135
gamma-BHC (Lindane)	ND		0.400	0.331		ug/L		83	50 - 120
Heptachlor	ND		0.400	0.342		ug/L		85	56 - 120
Heptachlor epoxide	ND		0.400	0.393		ug/L		98	58 - 125
Methoxychlor	ND		0.400	0.398		ug/L		100	40 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	39		20 - 120
DCB Decachlorobiphenyl	42		20 - 120
Tetrachloro-m-xylene	85		44 - 120
Tetrachloro-m-xylene	82		44 - 120

Lab Sample ID: 480-155026-1 MSD

Matrix: Water

Analysis Batch: 478492

Client Sample ID: MW-2

Prep Type: Total/NA

Prep Batch: 478403

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD Limit
Endrin	ND		0.400	0.459		ug/L		115	54 - 135	12 24
gamma-BHC (Lindane)	ND		0.400	0.378		ug/L		95	50 - 120	13 24
Heptachlor	ND		0.400	0.383		ug/L		96	56 - 120	11 25
Heptachlor epoxide	ND		0.400	0.441		ug/L		110	58 - 125	12 23

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 480-155026-1 MSD

Matrix: Water

Analysis Batch: 478492

Client Sample ID: MW-2

Prep Type: Total/NA

Prep Batch: 478403

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methoxychlor	ND		0.400	0.441		ug/L		110	40 - 150	10	26
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
DCB Decachlorobiphenyl	44		20 - 120								
DCB Decachlorobiphenyl	48		20 - 120								
Tetrachloro-m-xylene	90		44 - 120								
Tetrachloro-m-xylene	87		44 - 120								

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-478878/1-A

Matrix: Water

Analysis Batch: 479004

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 478878

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		06/20/19 15:24	06/21/19 18:09	1
PCB-1221	ND		0.50	0.18	ug/L		06/20/19 15:24	06/21/19 18:09	1
PCB-1232	ND		0.50	0.18	ug/L		06/20/19 15:24	06/21/19 18:09	1
PCB-1242	ND		0.50	0.18	ug/L		06/20/19 15:24	06/21/19 18:09	1
PCB-1248	ND		0.50	0.18	ug/L		06/20/19 15:24	06/21/19 18:09	1
PCB-1254	ND		0.50	0.25	ug/L		06/20/19 15:24	06/21/19 18:09	1
PCB-1260	ND		0.50	0.25	ug/L		06/20/19 15:24	06/21/19 18:09	1
PCB-1262	ND		0.50	0.25	ug/L		06/20/19 15:24	06/21/19 18:09	1
PCB-1268	ND		0.50	0.25	ug/L		06/20/19 15:24	06/21/19 18:09	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	104		39 - 121				06/20/19 15:24	06/21/19 18:09	1
Tetrachloro-m-xylene	72		39 - 121				06/20/19 15:24	06/21/19 18:09	1
DCB Decachlorobiphenyl	61		19 - 120				06/20/19 15:24	06/21/19 18:09	1
DCB Decachlorobiphenyl	51		19 - 120				06/20/19 15:24	06/21/19 18:09	1

Lab Sample ID: LCS 480-478878/2-A

Matrix: Water

Analysis Batch: 479004

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 478878

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	4.00	3.80		ug/L		95	62 - 130
PCB-1260	4.00	3.46		ug/L		87	56 - 123
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Tetrachloro-m-xylene	107		39 - 121				
Tetrachloro-m-xylene	79		39 - 121				
DCB Decachlorobiphenyl	46		19 - 120				
DCB Decachlorobiphenyl	39		19 - 120				

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 480-155026-1 MS

Matrix: Water

Analysis Batch: 479004

Client Sample ID: MW-2

Prep Type: Total/NA

Prep Batch: 478878

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		4.00	4.12		ug/L		103	28 - 150
PCB-1260	ND		4.00	3.75		ug/L		94	25 - 131
Surrogate	MS %Recovery	MS Qualifier	Limits						
Tetrachloro-m-xylene	111		39 - 121						
Tetrachloro-m-xylene	79		39 - 121						
DCB Decachlorobiphenyl	73		19 - 120						
DCB Decachlorobiphenyl	57		19 - 120						

Lab Sample ID: 480-155026-1 MSD

Matrix: Water

Analysis Batch: 479004

Client Sample ID: MW-2

Prep Type: Total/NA

Prep Batch: 478878

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		4.00	3.74		ug/L		94	28 - 150	10	50
PCB-1260	ND		4.00	3.38		ug/L		85	25 - 131	10	50
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Tetrachloro-m-xylene	109		39 - 121								
Tetrachloro-m-xylene	75		39 - 121								
DCB Decachlorobiphenyl	60		19 - 120								
DCB Decachlorobiphenyl	49		19 - 120								

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-478509/1-A

Matrix: Water

Analysis Batch: 478782

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 478509

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.50	0.050	ug/L		06/19/19 08:02	06/20/19 11:51	1
2,4-D	ND		0.50	0.17	ug/L		06/19/19 08:02	06/20/19 11:51	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	66		48 - 132				06/19/19 08:02	06/20/19 11:51	1
2,4-Dichlorophenylacetic acid	76		48 - 132				06/19/19 08:02	06/20/19 11:51	1

Lab Sample ID: LCS 480-478509/2-A

Matrix: Water

Analysis Batch: 478782

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 478509

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silvex (2,4,5-TP)	2.00	1.75		ug/L		88	49 - 150
2,4-D	2.00	1.86		ug/L		93	36 - 150
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
2,4-Dichlorophenylacetic acid	63		48 - 132				

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QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 480-478509/2-A

Matrix: Water

Analysis Batch: 478782

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 478509

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid	79		48 - 132

Lab Sample ID: 480-155026-1 MS

Matrix: Water

Analysis Batch: 478782

Client Sample ID: MW-2

Prep Type: Total/NA

Prep Batch: 478509

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Silvex (2,4,5-TP)	ND		1.94	1.64		ug/L		85	25 - 146	
2,4-D	ND		1.94	1.82		ug/L		94	31 - 150	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid	61		48 - 132
2,4-Dichlorophenylacetic acid	81		48 - 132

Lab Sample ID: 480-155026-1 MSD

Matrix: Water

Analysis Batch: 478782

Client Sample ID: MW-2

Prep Type: Total/NA

Prep Batch: 478509

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Silvex (2,4,5-TP)	ND		2.02	1.62		ug/L		80	25 - 146	2	50	
2,4-D	ND		2.02	1.84		ug/L		91	31 - 150	1	50	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid	52		48 - 132
2,4-Dichlorophenylacetic acid	66		48 - 132

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-144281/1-A

Matrix: Water

Analysis Batch: 144448

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 144281

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac	
Perfluorobutanoic acid (PFBA)	ND		2.0	1.0	ng/L		06/20/19 08:13	06/25/19 13:19	1		
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.63	ng/L		06/20/19 08:13	06/25/19 13:19	1		
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.76	ng/L		06/20/19 08:13	06/25/19 13:19	1		
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.91	ng/L		06/20/19 08:13	06/25/19 13:19	1		
Perfluorooctanoic acid (PFOA)	ND		2.0	0.63	ng/L		06/20/19 08:13	06/25/19 13:19	1		
Perfluorononanoic acid (PFNA)	ND		2.0	0.27	ng/L		06/20/19 08:13	06/25/19 13:19	1		
Perfluorodecanoic acid (PFDA)	ND		2.0	0.77	ng/L		06/20/19 08:13	06/25/19 13:19	1		
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.53	ng/L		06/20/19 08:13	06/25/19 13:19	1		
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.59	ng/L		06/20/19 08:13	06/25/19 13:19	1		
Perfluorotridecanoic acid (PFTriA)	ND		2.0	0.60	ng/L		06/20/19 08:13	06/25/19 13:19	1		
Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.92	ng/L		06/20/19 08:13	06/25/19 13:19	1		
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.49	ng/L		06/20/19 08:13	06/25/19 13:19	1		
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		06/20/19 08:13	06/25/19 13:19	1		
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.95	ng/L		06/20/19 08:13	06/25/19 13:19	1		

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QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 200-144281/1-A

Matrix: Water

Analysis Batch: 144448

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 144281

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.61	ng/L		06/20/19 08:13	06/25/19 13:19	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.90	ng/L		06/20/19 08:13	06/25/19 13:19	1
Perfluorooctanesulfonamide (PFOSA)	ND		10	10	ng/L		06/20/19 08:13	06/25/19 13:19	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	1.7	ng/L		06/20/19 08:13	06/25/19 13:19	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.5	ng/L		06/20/19 08:13	06/25/19 13:19	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		20	4.6	ng/L		06/20/19 08:13	06/25/19 13:19	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		20	2.9	ng/L		06/20/19 08:13	06/25/19 13:19	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	154	*	50 - 150	06/20/19 08:13	06/25/19 13:19	1
13C4 PFHpA	76		50 - 150	06/20/19 08:13	06/25/19 13:19	1
13C4 PFOA	86		50 - 150	06/20/19 08:13	06/25/19 13:19	1
13C4 PFOS	104		50 - 150	06/20/19 08:13	06/25/19 13:19	1
13C5 PFNA	77		50 - 150	06/20/19 08:13	06/25/19 13:19	1
13C4 PFBA	138		25 - 150	06/20/19 08:13	06/25/19 13:19	1
13C2 PFHxA	90		50 - 150	06/20/19 08:13	06/25/19 13:19	1
13C2 PFDA	85		50 - 150	06/20/19 08:13	06/25/19 13:19	1
13C2 PFUnA	86		50 - 150	06/20/19 08:13	06/25/19 13:19	1
13C2 PFDoA	80		50 - 150	06/20/19 08:13	06/25/19 13:19	1
13C8 FOSA	70		25 - 150	06/20/19 08:13	06/25/19 13:19	1
13C5 PFPeA	118		25 - 150	06/20/19 08:13	06/25/19 13:19	1
13C2 PFTeDA	75		50 - 150	06/20/19 08:13	06/25/19 13:19	1
d3-NMeFOSAA	81		50 - 150	06/20/19 08:13	06/25/19 13:19	1
d5-NEtFOSAA	94		50 - 150	06/20/19 08:13	06/25/19 13:19	1
M2-6:2 FTS	107		25 - 150	06/20/19 08:13	06/25/19 13:19	1
M2-8:2 FTS	118		25 - 150	06/20/19 08:13	06/25/19 13:19	1
13C3 PFBS	130		50 - 150	06/20/19 08:13	06/25/19 13:19	1

Lab Sample ID: LCS 200-144281/2-A

Matrix: Water

Analysis Batch: 144448

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 144281

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	21.5		ng/L		54	50 - 150
Perfluoropentanoic acid (PFPeA)	40.0	36.6		ng/L		92	50 - 150
Perfluorohexanoic acid (PFHxA)	40.0	40.0		ng/L		100	70 - 130
Perfluoroheptanoic acid (PFHpA)	40.0	43.4		ng/L		108	70 - 130
Perfluorooctanoic acid (PFOA)	40.0	45.8		ng/L		115	70 - 130
Perfluorononanoic acid (PFNA)	40.0	43.6		ng/L		109	70 - 130
Perfluorodecanoic acid (PFDA)	40.0	43.1		ng/L		108	70 - 130
Perfluoroundecanoic acid (PFUnA)	40.0	38.9		ng/L		97	70 - 130
Perfluorododecanoic acid (PFDoA)	40.0	40.8		ng/L		102	70 - 130
Perfluorotridecanoic acid (PFTriA)	40.0	40.7		ng/L		102	70 - 130

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-144281/2-A

Matrix: Water

Analysis Batch: 144448

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 144281

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorotetradecanoic acid (PFTeA)	40.0	41.5		ng/L		104	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.4	30.8		ng/L		87	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	36.4	31.9		ng/L		88	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	39.0		ng/L		103	50 - 150
Perfluorooctanesulfonic acid (PFOS)	37.1	35.7		ng/L		96	70 - 130
Perfluorodecanesulfonic acid (PFDS)	38.6	36.8		ng/L		96	50 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	46.5		ng/L		116	50 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	37.6		ng/L		94	70 - 130
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	40.2		ng/L		100	70 - 130
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	37.9	34.2		ng/L		90	50 - 150
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	38.3	43.3		ng/L		113	50 - 150

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
18O2 PFHxS	141		50 - 150
13C4 PFHpA	81		50 - 150
13C4 PFOA	85		50 - 150
13C4 PFOS	113		50 - 150
13C5 PFNA	81		50 - 150
13C4 PFBA	136		25 - 150
13C2 PFHxA	88		50 - 150
13C2 PFDA	85		50 - 150
13C2 PFUnA	88		50 - 150
13C2 PFDoA	81		50 - 150
13C8 FOSA	90		25 - 150
13C5 PFPeA	112		25 - 150
13C2 PFTeDA	75		50 - 150
d3-NMeFOSAA	83		50 - 150
d5-NEtFOSAA	90		50 - 150
M2-6:2 FTS	123		25 - 150
M2-8:2 FTS	108		25 - 150
13C3 PFBS	132		50 - 150

Lab Sample ID: MB 200-144504/1-A

Matrix: Water

Analysis Batch: 144742

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 144504

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		2.0	1.0	ng/L		06/26/19 11:18	07/05/19 05:11	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.63	ng/L		06/26/19 11:18	07/05/19 05:11	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.76	ng/L		06/26/19 11:18	07/05/19 05:11	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.91	ng/L		06/26/19 11:18	07/05/19 05:11	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 200-144504/1-A

Matrix: Water

Analysis Batch: 144742

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 144504

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	0.658	J	2.0	0.63	ng/L		06/26/19 11:18	07/05/19 05:11	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.27	ng/L		06/26/19 11:18	07/05/19 05:11	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.77	ng/L		06/26/19 11:18	07/05/19 05:11	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.53	ng/L		06/26/19 11:18	07/05/19 05:11	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.59	ng/L		06/26/19 11:18	07/05/19 05:11	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0	0.60	ng/L		06/26/19 11:18	07/05/19 05:11	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.92	ng/L		06/26/19 11:18	07/05/19 05:11	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.49	ng/L		06/26/19 11:18	07/05/19 05:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		06/26/19 11:18	07/05/19 05:11	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.95	ng/L		06/26/19 11:18	07/05/19 05:11	1
Perfluorooctanesulfonic acid (PFOS)	2.64		2.0	0.61	ng/L		06/26/19 11:18	07/05/19 05:11	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.90	ng/L		06/26/19 11:18	07/05/19 05:11	1
Perfluorooctanesulfonamide (PFOSA)	ND		10	10	ng/L		06/26/19 11:18	07/05/19 05:11	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	1.7	ng/L		06/26/19 11:18	07/05/19 05:11	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.5	ng/L		06/26/19 11:18	07/05/19 05:11	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		20	4.6	ng/L		06/26/19 11:18	07/05/19 05:11	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		20	2.9	ng/L		06/26/19 11:18	07/05/19 05:11	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	111		50 - 150	06/26/19 11:18	07/05/19 05:11	1
13C4 PFHpA	87		50 - 150	06/26/19 11:18	07/05/19 05:11	1
13C4 PFOA	101		50 - 150	06/26/19 11:18	07/05/19 05:11	1
13C4 PFOS	87		50 - 150	06/26/19 11:18	07/05/19 05:11	1
13C5 PFNA	91		50 - 150	06/26/19 11:18	07/05/19 05:11	1
13C4 PFBA	76		25 - 150	06/26/19 11:18	07/05/19 05:11	1
13C2 PFHxA	88		50 - 150	06/26/19 11:18	07/05/19 05:11	1
13C2 PFDA	99		50 - 150	06/26/19 11:18	07/05/19 05:11	1
13C2 PFUnA	97		50 - 150	06/26/19 11:18	07/05/19 05:11	1
13C2 PFDoA	92		50 - 150	06/26/19 11:18	07/05/19 05:11	1
13C8 FOSA	77		25 - 150	06/26/19 11:18	07/05/19 05:11	1
13C5 PFPeA	96		25 - 150	06/26/19 11:18	07/05/19 05:11	1
13C2 PFTeDA	86		50 - 150	06/26/19 11:18	07/05/19 05:11	1
d3-NMeFOSAA	81		50 - 150	06/26/19 11:18	07/05/19 05:11	1
d5-NEtFOSAA	102		50 - 150	06/26/19 11:18	07/05/19 05:11	1
M2-6:2 FTS	113		25 - 150	06/26/19 11:18	07/05/19 05:11	1
M2-8:2 FTS	99		25 - 150	06/26/19 11:18	07/05/19 05:11	1
13C3 PFBS	112		50 - 150	06/26/19 11:18	07/05/19 05:11	1

Lab Sample ID: LCS 200-144504/2-A

Matrix: Water

Analysis Batch: 144742

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 144504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	31.4		ng/L		78	50 - 150
Perfluoropentanoic acid (PFPeA)	40.0	42.1		ng/L		105	50 - 150

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-144504/2-A

Matrix: Water

Analysis Batch: 144742

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 144504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorohexanoic acid (PFHxA)	40.0	44.1		ng/L		110	70 - 130
Perfluoroheptanoic acid (PFHpA)	40.0	46.7		ng/L		117	70 - 130
Perfluorooctanoic acid (PFOA)	40.0	45.0		ng/L		113	70 - 130
Perfluorononanoic acid (PFNA)	40.0	43.7		ng/L		109	70 - 130
Perfluorodecanoic acid (PFDA)	40.0	41.2		ng/L		103	70 - 130
Perfluoroundecanoic acid (PFUnA)	40.0	43.5		ng/L		109	70 - 130
Perfluorododecanoic acid (PFDoA)	40.0	42.5		ng/L		106	70 - 130
Perfluorotridecanoic acid (PFTriA)	40.0	44.0		ng/L		110	70 - 130
Perfluorotetradecanoic acid (PFTeA)	40.0	41.9		ng/L		105	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.4	33.8		ng/L		96	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	36.4	33.7		ng/L		93	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	42.2		ng/L		111	50 - 150
Perfluorooctanesulfonic acid (PFOS)	37.1	46.7		ng/L		126	70 - 130
Perfluorodecanesulfonic acid (PFDS)	38.6	36.5		ng/L		95	50 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	53.1		ng/L		133	50 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	39.8		ng/L		99	70 - 130
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	41.4		ng/L		104	70 - 130
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	37.9	46.9		ng/L		124	50 - 150
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	38.3	42.7		ng/L		112	50 - 150

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
18O2 PFHxS	120		50 - 150
13C4 PFHpA	84		50 - 150
13C4 PFOA	99		50 - 150
13C4 PFOS	94		50 - 150
13C5 PFNA	89		50 - 150
13C4 PFBA	91		25 - 150
13C2 PFHxA	86		50 - 150
13C2 PFDA	97		50 - 150
13C2 PFUnA	94		50 - 150
13C2 PFDoA	86		50 - 150
13C8 FOSA	71		25 - 150
13C5 PFPeA	93		25 - 150
13C2 PFTeDA	85		50 - 150
d3-NMeFOSAA	77		50 - 150
d5-NEtFOSAA	85		50 - 150
M2-6:2 FTS	99		25 - 150
M2-8:2 FTS	104		25 - 150

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-144504/2-A

Matrix: Water

Analysis Batch: 144742

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 144504

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C3 PFBS	129		50 - 150

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-478394/1-A

Matrix: Water

Analysis Batch: 478988

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 478394

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		06/19/19 08:07	06/20/19 19:57	1
Antimony	ND		0.020	0.0068	mg/L		06/19/19 08:07	06/20/19 19:57	1
Arsenic	ND		0.015	0.0056	mg/L		06/19/19 08:07	06/20/19 19:57	1
Barium	ND		0.0020	0.00070	mg/L		06/19/19 08:07	06/20/19 19:57	1
Beryllium	ND		0.0020	0.00030	mg/L		06/19/19 08:07	06/20/19 19:57	1
Cadmium	ND		0.0020	0.00050	mg/L		06/19/19 08:07	06/20/19 19:57	1
Calcium	ND		0.50	0.10	mg/L		06/19/19 08:07	06/20/19 19:57	1
Chromium	ND		0.0040	0.0010	mg/L		06/19/19 08:07	06/20/19 19:57	1
Cobalt	ND		0.0040	0.00063	mg/L		06/19/19 08:07	06/20/19 19:57	1
Copper	ND		0.010	0.0016	mg/L		06/19/19 08:07	06/20/19 19:57	1
Iron	ND		0.050	0.019	mg/L		06/19/19 08:07	06/20/19 19:57	1
Lead	ND		0.010	0.0030	mg/L		06/19/19 08:07	06/20/19 19:57	1
Magnesium	0.0770	J	0.20	0.043	mg/L		06/19/19 08:07	06/20/19 19:57	1
Manganese	ND		0.0030	0.00040	mg/L		06/19/19 08:07	06/20/19 19:57	1
Nickel	ND		0.010	0.0013	mg/L		06/19/19 08:07	06/20/19 19:57	1
Potassium	ND		0.50	0.10	mg/L		06/19/19 08:07	06/20/19 19:57	1
Selenium	ND		0.025	0.0087	mg/L		06/19/19 08:07	06/20/19 19:57	1
Silver	ND		0.0060	0.0017	mg/L		06/19/19 08:07	06/20/19 19:57	1
Sodium	ND		1.0	0.32	mg/L		06/19/19 08:07	06/20/19 19:57	1
Thallium	ND		0.020	0.010	mg/L		06/19/19 08:07	06/20/19 19:57	1
Vanadium	ND		0.0050	0.0015	mg/L		06/19/19 08:07	06/20/19 19:57	1
Zinc	ND		0.010	0.0015	mg/L		06/19/19 08:07	06/20/19 19:57	1

Lab Sample ID: LCS 480-478394/2-A

Matrix: Water

Analysis Batch: 478988

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 478394

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10.0	9.27		mg/L		93	80 - 120
Antimony	0.200	0.218		mg/L		109	80 - 120
Arsenic	0.200	0.198		mg/L		99	80 - 120
Barium	0.200	0.201		mg/L		101	80 - 120
Beryllium	0.200	0.198		mg/L		99	80 - 120
Cadmium	0.200	0.199		mg/L		100	80 - 120
Calcium	10.0	9.60		mg/L		96	80 - 120
Chromium	0.200	0.191		mg/L		96	80 - 120
Cobalt	0.200	0.185		mg/L		93	80 - 120
Copper	0.200	0.193		mg/L		97	80 - 120
Iron	10.0	9.43		mg/L		94	80 - 120
Lead	0.200	0.189		mg/L		95	80 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-478394/2-A

Matrix: Water

Analysis Batch: 478988

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 478394

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	10.0	9.39		mg/L		94	80 - 120
Manganese	0.200	0.188		mg/L		94	80 - 120
Nickel	0.200	0.194		mg/L		97	80 - 120
Potassium	10.0	9.28		mg/L		93	80 - 120
Selenium	0.200	0.195		mg/L		98	80 - 120
Silver	0.0500	0.0495		mg/L		99	80 - 120
Sodium	10.0	9.09		mg/L		91	80 - 120
Thallium	0.200	0.197		mg/L		99	80 - 120
Vanadium	0.200	0.191		mg/L		96	80 - 120
Zinc	0.200	0.192		mg/L		96	80 - 120

Lab Sample ID: 480-155026-1 MS

Matrix: Water

Analysis Batch: 478988

Client Sample ID: MW-2

Prep Type: Total/NA

Prep Batch: 478394

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	0.15	J	10.0	9.84		mg/L		97	75 - 125
Antimony	ND		0.200	0.226		mg/L		113	75 - 125
Arsenic	ND		0.200	0.211		mg/L		105	75 - 125
Barium	0.072		0.200	0.270		mg/L		99	75 - 125
Beryllium	ND		0.200	0.205		mg/L		102	75 - 125
Cadmium	ND		0.200	0.207		mg/L		104	75 - 125
Calcium	78.4		10.0	87.48	4	mg/L		91	75 - 125
Chromium	ND		0.200	0.224		mg/L		112	75 - 125
Cobalt	0.0011	J	0.200	0.193		mg/L		96	75 - 125
Copper	0.0040	J	0.200	0.204		mg/L		100	75 - 125
Iron	0.68		10.0	10.51		mg/L		98	75 - 125
Lead	ND		0.200	0.198		mg/L		99	75 - 125
Magnesium	35.6	B	10.0	44.81		mg/L		92	75 - 125
Manganese	0.89		0.200	1.07	4	mg/L		89	75 - 125
Nickel	0.015		0.200	0.215		mg/L		100	75 - 125
Potassium	4.0		10.0	13.70		mg/L		97	75 - 125
Selenium	ND		0.200	0.200		mg/L		100	75 - 125
Silver	ND		0.0500	0.0506		mg/L		101	75 - 125
Sodium	39.5		10.0	48.31		mg/L		88	75 - 125
Thallium	ND		0.200	0.203		mg/L		101	75 - 125
Vanadium	ND		0.200	0.198		mg/L		99	75 - 125
Zinc	ND		0.200	0.191		mg/L		95	75 - 125

Lab Sample ID: 480-155026-1 MSD

Matrix: Water

Analysis Batch: 478988

Client Sample ID: MW-2

Prep Type: Total/NA

Prep Batch: 478394

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Aluminum	0.15	J	10.0	9.82		mg/L		97	75 - 125	0	20
Antimony	ND		0.200	0.228		mg/L		114	75 - 125	1	20
Arsenic	ND		0.200	0.212		mg/L		106	75 - 125	0	20
Barium	0.072		0.200	0.275		mg/L		101	75 - 125	2	20
Beryllium	ND		0.200	0.205		mg/L		102	75 - 125	0	20

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-155026-1 MSD

Matrix: Water

Analysis Batch: 478988

Client Sample ID: MW-2

Prep Type: Total/NA

Prep Batch: 478394

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	ND		0.200	0.208		mg/L		104	75 - 125	1	20
Calcium	78.4		10.0	91.58	4	mg/L		132	75 - 125	5	20
Chromium	ND		0.200	0.195		mg/L		97	75 - 125	14	20
Cobalt	0.0011	J	0.200	0.195		mg/L		97	75 - 125	1	20
Copper	0.0040	J	0.200	0.204		mg/L		100	75 - 125	0	20
Iron	0.68		10.0	10.19		mg/L		95	75 - 125	3	20
Lead	ND		0.200	0.201		mg/L		100	75 - 125	1	20
Magnesium	35.6	B	10.0	46.57		mg/L		109	75 - 125	4	20
Manganese	0.89		0.200	1.11	4	mg/L		110	75 - 125	4	20
Nickel	0.015		0.200	0.217		mg/L		101	75 - 125	1	20
Potassium	4.0		10.0	13.98		mg/L		100	75 - 125	2	20
Selenium	ND		0.200	0.201		mg/L		101	75 - 125	1	20
Silver	ND		0.0500	0.0504		mg/L		101	75 - 125	0	20
Sodium	39.5		10.0	50.23		mg/L		107	75 - 125	4	20
Thallium	ND		0.200	0.202		mg/L		101	75 - 125	0	20
Vanadium	ND		0.200	0.199		mg/L		100	75 - 125	0	20
Zinc	ND		0.200	0.195		mg/L		98	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-478681/1-A

Matrix: Water

Analysis Batch: 478894

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 478681

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		06/20/19 11:24	06/20/19 14:27	1

Lab Sample ID: LCS 480-478681/2-A

Matrix: Water

Analysis Batch: 478894

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 478681

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00678		mg/L		102	80 - 120

Lab Sample ID: 480-155026-1 MS

Matrix: Water

Analysis Batch: 478894

Client Sample ID: MW-2

Prep Type: Total/NA

Prep Batch: 478681

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00667	0.00683		mg/L		102	80 - 120

Lab Sample ID: 480-155026-1 MSD

Matrix: Water

Analysis Batch: 478894

Client Sample ID: MW-2

Prep Type: Total/NA

Prep Batch: 478681

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00667	0.00700		mg/L		105	80 - 120	2	20

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

GC/MS VOA

Analysis Batch: 478505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155026-1	MW-2	Total/NA	Water	8260C	
480-155026-2	MW-1	Total/NA	Water	8260C	
480-155026-3	TRIP BLANK	Total/NA	Water	8260C	
480-155026-4	MW-3	Total/NA	Water	8260C	
480-155026-6	DUP	Total/NA	Water	8260C	
MB 480-478505/7	Method Blank	Total/NA	Water	8260C	
LCS 480-478505/5	Lab Control Sample	Total/NA	Water	8260C	
480-155026-1 MS	MW-2	Total/NA	Water	8260C	
480-155026-1 MSD	MW-2	Total/NA	Water	8260C	

Analysis Batch: 603544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155026-1	MW-2	Total/NA	Water	8260B SIM	
MB 490-603544/8	Method Blank	Total/NA	Water	8260B SIM	
LCS 490-603544/4	Lab Control Sample	Total/NA	Water	8260B SIM	
LCSD 490-603544/5	Lab Control Sample Dup	Total/NA	Water	8260B SIM	

Analysis Batch: 603726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155026-2	MW-1	Total/NA	Water	8260B SIM	
480-155026-4	MW-3	Total/NA	Water	8260B SIM	
480-155026-6	DUP	Total/NA	Water	8260B SIM	
MB 490-603726/8	Method Blank	Total/NA	Water	8260B SIM	
LCS 490-603726/4	Lab Control Sample	Total/NA	Water	8260B SIM	
LCSD 490-603726/5	Lab Control Sample Dup	Total/NA	Water	8260B SIM	
480-155026-1 MS	MW-2	Total/NA	Water	8260B SIM	
480-155026-1 MSD	MW-2	Total/NA	Water	8260B SIM	

GC/MS Semi VOA

Prep Batch: 478404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155026-1	MW-2	Total/NA	Water	3510C	
480-155026-2	MW-1	Total/NA	Water	3510C	
480-155026-4	MW-3	Total/NA	Water	3510C	
480-155026-6	DUP	Total/NA	Water	3510C	
MB 480-478404/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-478404/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-155026-1 MS	MW-2	Total/NA	Water	3510C	
480-155026-1 MSD	MW-2	Total/NA	Water	3510C	

Analysis Batch: 479803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155026-1	MW-2	Total/NA	Water	8270D	478404
MB 480-478404/1-A	Method Blank	Total/NA	Water	8270D	478404
LCS 480-478404/2-A	Lab Control Sample	Total/NA	Water	8270D	478404
480-155026-1 MS	MW-2	Total/NA	Water	8270D	478404
480-155026-1 MSD	MW-2	Total/NA	Water	8270D	478404

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

GC/MS Semi VOA

Analysis Batch: 479920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155026-2	MW-1	Total/NA	Water	8270D	478404
480-155026-4	MW-3	Total/NA	Water	8270D	478404
480-155026-6	DUP	Total/NA	Water	8270D	478404

GC Semi VOA

Prep Batch: 478403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155026-1	MW-2	Total/NA	Water	3510C	
480-155026-2	MW-1	Total/NA	Water	3510C	
480-155026-6	DUP	Total/NA	Water	3510C	
MB 480-478403/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-478403/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-155026-1 MS	MW-2	Total/NA	Water	3510C	
480-155026-1 MSD	MW-2	Total/NA	Water	3510C	

Analysis Batch: 478492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155026-1	MW-2	Total/NA	Water	8081B	478403
480-155026-2	MW-1	Total/NA	Water	8081B	478403
480-155026-6	DUP	Total/NA	Water	8081B	478403
MB 480-478403/1-A	Method Blank	Total/NA	Water	8081B	478403
LCS 480-478403/2-A	Lab Control Sample	Total/NA	Water	8081B	478403
480-155026-1 MS	MW-2	Total/NA	Water	8081B	478403
480-155026-1 MSD	MW-2	Total/NA	Water	8081B	478403

Prep Batch: 478509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155026-1	MW-2	Total/NA	Water	8151A	
480-155026-5	MW-1	Total/NA	Water	8151A	
480-155026-6	DUP	Total/NA	Water	8151A	
MB 480-478509/1-A	Method Blank	Total/NA	Water	8151A	
LCS 480-478509/2-A	Lab Control Sample	Total/NA	Water	8151A	
480-155026-1 MS	MW-2	Total/NA	Water	8151A	
480-155026-1 MSD	MW-2	Total/NA	Water	8151A	

Analysis Batch: 478782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155026-1	MW-2	Total/NA	Water	8151A	478509
480-155026-5	MW-1	Total/NA	Water	8151A	478509
480-155026-6	DUP	Total/NA	Water	8151A	478509
MB 480-478509/1-A	Method Blank	Total/NA	Water	8151A	478509
LCS 480-478509/2-A	Lab Control Sample	Total/NA	Water	8151A	478509
480-155026-1 MS	MW-2	Total/NA	Water	8151A	478509
480-155026-1 MSD	MW-2	Total/NA	Water	8151A	478509

Prep Batch: 478878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155026-1	MW-2	Total/NA	Water	3510C	
480-155026-2	MW-1	Total/NA	Water	3510C	
480-155026-6	DUP	Total/NA	Water	3510C	

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

GC Semi VOA (Continued)

Prep Batch: 478878 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-478878/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-478878/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-155026-1 MS	MW-2	Total/NA	Water	3510C	
480-155026-1 MSD	MW-2	Total/NA	Water	3510C	

Analysis Batch: 479004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155026-1	MW-2	Total/NA	Water	8082A	478878
480-155026-2	MW-1	Total/NA	Water	8082A	478878
480-155026-6	DUP	Total/NA	Water	8082A	478878
MB 480-478878/1-A	Method Blank	Total/NA	Water	8082A	478878
LCS 480-478878/2-A	Lab Control Sample	Total/NA	Water	8082A	478878
480-155026-1 MS	MW-2	Total/NA	Water	8082A	478878
480-155026-1 MSD	MW-2	Total/NA	Water	8082A	478878

LCMS

Prep Batch: 144281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155026-1	MW-2	Total/NA	Water	3535	
MB 200-144281/1-A	Method Blank	Total/NA	Water	3535	
LCS 200-144281/2-A	Lab Control Sample	Total/NA	Water	3535	

Analysis Batch: 144448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155026-1	MW-2	Total/NA	Water	537 (modified)	144281
MB 200-144281/1-A	Method Blank	Total/NA	Water	537 (modified)	144281
LCS 200-144281/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	144281

Prep Batch: 144504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155026-5	MW-1	Total/NA	Water	3535	
MB 200-144504/1-A	Method Blank	Total/NA	Water	3535	
LCS 200-144504/2-A	Lab Control Sample	Total/NA	Water	3535	

Analysis Batch: 144616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155026-1	MW-2	Total/NA	Water	537 (modified)	144281

Analysis Batch: 144742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155026-5	MW-1	Total/NA	Water	537 (modified)	144504
MB 200-144504/1-A	Method Blank	Total/NA	Water	537 (modified)	144504
LCS 200-144504/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	144504

Analysis Batch: 145436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155026-5	MW-1	Total/NA	Water	537 (modified)	144504

QC Association Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Metals

Prep Batch: 478394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155026-1	MW-2	Total/NA	Water	3005A	
480-155026-2	MW-1	Total/NA	Water	3005A	
480-155026-4	MW-3	Total/NA	Water	3005A	
480-155026-6	DUP	Total/NA	Water	3005A	
MB 480-478394/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-478394/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-155026-1 MS	MW-2	Total/NA	Water	3005A	
480-155026-1 MSD	MW-2	Total/NA	Water	3005A	

Prep Batch: 478681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155026-1	MW-2	Total/NA	Water	7470A	
480-155026-2	MW-1	Total/NA	Water	7470A	
480-155026-4	MW-3	Total/NA	Water	7470A	
480-155026-6	DUP	Total/NA	Water	7470A	
MB 480-478681/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-478681/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-155026-1 MS	MW-2	Total/NA	Water	7470A	
480-155026-1 MSD	MW-2	Total/NA	Water	7470A	

Analysis Batch: 478894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155026-1	MW-2	Total/NA	Water	7470A	478681
480-155026-2	MW-1	Total/NA	Water	7470A	478681
480-155026-4	MW-3	Total/NA	Water	7470A	478681
480-155026-6	DUP	Total/NA	Water	7470A	478681
MB 480-478681/1-A	Method Blank	Total/NA	Water	7470A	478681
LCS 480-478681/2-A	Lab Control Sample	Total/NA	Water	7470A	478681
480-155026-1 MS	MW-2	Total/NA	Water	7470A	478681
480-155026-1 MSD	MW-2	Total/NA	Water	7470A	478681

Analysis Batch: 478988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155026-1	MW-2	Total/NA	Water	6010C	478394
480-155026-2	MW-1	Total/NA	Water	6010C	478394
480-155026-4	MW-3	Total/NA	Water	6010C	478394
480-155026-6	DUP	Total/NA	Water	6010C	478394
MB 480-478394/1-A	Method Blank	Total/NA	Water	6010C	478394
LCS 480-478394/2-A	Lab Control Sample	Total/NA	Water	6010C	478394
480-155026-1 MS	MW-2	Total/NA	Water	6010C	478394
480-155026-1 MSD	MW-2	Total/NA	Water	6010C	478394

Analysis Batch: 479159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155026-4	MW-3	Total/NA	Water	6010C	478394

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: MW-2

Lab Sample ID: 480-155026-1

Date Collected: 06/12/19 10:12

Matrix: Water

Date Received: 06/14/19 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		1	603544	06/25/19 14:59	S1S	TAL NSH
Total/NA	Analysis	8260C		2	478505	06/19/19 12:11	OMI	TAL BUF
Total/NA	Prep	3510C			478404	06/18/19 15:18	ATG	TAL BUF
Total/NA	Analysis	8270D		1	479803	06/27/19 15:11	RJS	TAL BUF
Total/NA	Prep	3510C			478403	06/18/19 15:12	ATG	TAL BUF
Total/NA	Analysis	8081B		1	478492	06/19/19 11:53	JLS	TAL BUF
Total/NA	Prep	3510C			478878	06/20/19 15:24	JMP	TAL BUF
Total/NA	Analysis	8082A		1	479004	06/21/19 19:00	W1T	TAL BUF
Total/NA	Prep	8151A			478509	06/19/19 08:02	JMP	TAL BUF
Total/NA	Analysis	8151A		1	478782	06/20/19 13:50	JLS	TAL BUF
Total/NA	Prep	3535			144281	06/20/19 08:13	TPB	TAL BUR
Total/NA	Analysis	537 (modified)		5	144448	06/25/19 17:33	JM1	TAL BUR
Total/NA	Prep	3535			144281	06/20/19 08:13	TPB	TAL BUR
Total/NA	Analysis	537 (modified)		25	144616	07/01/19 02:37	BWC	TAL BUR
Total/NA	Prep	3005A			478394	06/19/19 08:07	EMB	TAL BUF
Total/NA	Analysis	6010C		1	478988	06/20/19 20:04	EMB	TAL BUF
Total/NA	Prep	7470A			478681	06/20/19 11:24	BMB	TAL BUF
Total/NA	Analysis	7470A		1	478894	06/20/19 14:47	BMB	TAL BUF

Client Sample ID: MW-1

Lab Sample ID: 480-155026-2

Date Collected: 06/12/19 16:58

Matrix: Water

Date Received: 06/14/19 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		1	603726	06/26/19 13:43	S1S	TAL NSH
Total/NA	Analysis	8260C		1	478505	06/19/19 12:35	OMI	TAL BUF
Total/NA	Prep	3510C			478404	06/18/19 15:18	ATG	TAL BUF
Total/NA	Analysis	8270D		1	479920	06/27/19 21:42	RJS	TAL BUF
Total/NA	Prep	3510C			478403	06/18/19 15:12	ATG	TAL BUF
Total/NA	Analysis	8081B		1	478492	06/19/19 12:13	JLS	TAL BUF
Total/NA	Prep	3510C			478878	06/20/19 15:24	JMP	TAL BUF
Total/NA	Analysis	8082A		1	479004	06/21/19 19:13	W1T	TAL BUF
Total/NA	Prep	3005A			478394	06/19/19 08:07	EMB	TAL BUF
Total/NA	Analysis	6010C		1	478988	06/20/19 20:35	EMB	TAL BUF
Total/NA	Prep	7470A			478681	06/20/19 11:24	BMB	TAL BUF
Total/NA	Analysis	7470A		1	478894	06/20/19 14:52	BMB	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-155026-3

Date Collected: 06/12/19 00:00

Matrix: Water

Date Received: 06/14/19 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	478505	06/19/19 13:00	OMI	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Client Sample ID: MW-3

Lab Sample ID: 480-155026-4

Date Collected: 06/13/19 07:45

Matrix: Water

Date Received: 06/14/19 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		1	603726	06/26/19 14:11	S1S	TAL NSH
Total/NA	Analysis	8260C		1	478505	06/19/19 13:24	OMI	TAL BUF
Total/NA	Prep	3510C			478404	06/18/19 15:18	ATG	TAL BUF
Total/NA	Analysis	8270D		1	479920	06/27/19 22:10	RJS	TAL BUF
Total/NA	Prep	3005A			478394	06/19/19 08:07	EMB	TAL BUF
Total/NA	Analysis	6010C		1	478988	06/20/19 20:39	EMB	TAL BUF
Total/NA	Prep	3005A			478394	06/19/19 08:07	EMB	TAL BUF
Total/NA	Analysis	6010C		5	479159	06/21/19 10:49	EMB	TAL BUF
Total/NA	Prep	7470A			478681	06/20/19 11:24	BMB	TAL BUF
Total/NA	Analysis	7470A		1	478894	06/20/19 14:53	BMB	TAL BUF

Client Sample ID: MW-1

Lab Sample ID: 480-155026-5

Date Collected: 06/13/19 08:45

Matrix: Water

Date Received: 06/14/19 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			478509	06/19/19 08:02	JMP	TAL BUF
Total/NA	Analysis	8151A		1	478782	06/20/19 14:20	JLS	TAL BUF
Total/NA	Prep	3535			144504	06/26/19 11:18	TPB	TAL BUR
Total/NA	Analysis	537 (modified)		5	144742	07/05/19 11:33	JM1	TAL BUR
Total/NA	Prep	3535			144504	06/26/19 11:18	TPB	TAL BUR
Total/NA	Analysis	537 (modified)		5	145436	07/24/19 23:31	JM1	TAL BUR

Client Sample ID: DUP

Lab Sample ID: 480-155026-6

Date Collected: 06/12/19 00:01

Matrix: Water

Date Received: 06/14/19 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		1	603726	06/26/19 14:38	S1S	TAL NSH
Total/NA	Analysis	8260C		2	478505	06/19/19 13:48	OMI	TAL BUF
Total/NA	Prep	3510C			478404	06/18/19 15:18	ATG	TAL BUF
Total/NA	Analysis	8270D		1	479920	06/27/19 22:37	RJS	TAL BUF
Total/NA	Prep	3510C			478403	06/18/19 15:12	ATG	TAL BUF
Total/NA	Analysis	8081B		1	478492	06/19/19 12:33	JLS	TAL BUF
Total/NA	Prep	3510C			478878	06/20/19 15:24	JMP	TAL BUF
Total/NA	Analysis	8082A		1	479004	06/21/19 19:26	W1T	TAL BUF
Total/NA	Prep	8151A			478509	06/19/19 08:02	JMP	TAL BUF
Total/NA	Analysis	8151A		1	478782	06/20/19 14:50	JLS	TAL BUF
Total/NA	Prep	3005A			478394	06/19/19 08:07	EMB	TAL BUF
Total/NA	Analysis	6010C		1	478988	06/20/19 20:43	EMB	TAL BUF
Total/NA	Prep	7470A			478681	06/20/19 11:24	BMB	TAL BUF
Total/NA	Analysis	7470A		1	478894	06/20/19 14:55	BMB	TAL BUF

Eurofins TestAmerica, Buffalo

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600
TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990
TAL NSH = Eurofins TestAmerica, Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

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Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

Laboratory: Eurofins TestAmerica, Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP		L2336	02-25-20
ANAB	DoD		L2336	02-25-20
Connecticut	State Program	1	PH-0751	09-30-19
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-01-20
Florida	NELAP	4	E87467	06-30-20
Florida	NELAP		E87467	06-01-20
Minnesota	NELAP	5	050-999-436	12-31-19
New Hampshire	NELAP	1	2006	12-18-19
New Jersey	NELAP	2	VT972	06-30-20
New York	NELAP	2	10391	04-01-20
Pennsylvania	NELAP	3	68-00489	04-30-20
Pennsylvania	NELAP		68-00489	04-30-20
Rhode Island	State Program	1	LAO00298	12-30-19
US Fish & Wildlife	Federal		LE-058448-0	07-31-19
USDA	Federal		P330-11-00093	07-24-20
Vermont	State Program	1	VT-4000	12-31-19
Virginia	NELAP	3	460209	12-14-19

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Laboratory: Eurofins TestAmerica, Nashville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
A2LA	ISO/IEC 17025		0453.07	12-31-19
A2LA	ISO/IEC 17025		0453.07	12-31-19
Alaska (UST)	State Program	10	UST-087	09-30-19
Arizona	State Program	9	AZ0473	05-05-20
Arkansas DEQ	State Program	6	88-0737	04-25-20
California	State Program	9	2938	06-30-20
Connecticut	State Program	1	PH-0220	12-31-19
Florida	NELAP	4	E87358	06-30-20
Georgia	State Program	4	E87358(FL)/453.07(A2L A)	06-30-20
Illinois	NELAP	5	200010	12-09-19
Iowa	State Program	7	131	04-01-20
Kansas	NELAP	7	E-10229	10-31-19
Kentucky (UST)	State Program	4	19	06-30-20
Kentucky (WW)	State Program	4	90038	12-31-19
Louisiana	NELAP	6	30613	06-30-20
Maine	State Program	1	TN00032	11-03-19
Maryland	State Program	3	316	03-31-20
Massachusetts	State Program	1	M-TN032	06-30-20
Minnesota	NELAP	5	047-999-345	12-31-19
Mississippi	State Program	4	N/A	06-30-20
Nevada	State Program	9	TN00032	07-31-19 *
New Hampshire	NELAP	1	2963	10-09-19
New Jersey	NELAP	2	TN965	06-30-20
New York	NELAP	2	11342	03-31-20
North Carolina (WW/SW)	State Program	4	387	12-31-19
North Dakota	State Program	8	R-146	06-30-20
Oklahoma	State Program	6	9412	08-31-19 *
Oregon	NELAP	10	TN200001	04-26-20
Pennsylvania	NELAP	3	68-00585	07-31-19 *
Rhode Island	State Program	1	LAO00268	12-30-19
South Carolina	State Program	4	84009 (001)	02-28-20
Tennessee	State Program	4	2008	02-23-20
Texas	NELAP	6	T104704077	08-31-19
USDA	Federal		P330-13-00306	04-10-20
Utah	NELAP	8	TN00032	07-31-19
Virginia	NELAP	3	460152	06-14-20
Washington	State Program	10	C789	07-19-19 *
West Virginia DEP	State Program	3	219	02-28-20
Wisconsin	State Program	5	998020430	08-31-19 *
Wyoming (UST)	A2LA	8	453.07	12-31-19

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Buffalo

Method Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method	Method Description	Protocol	Laboratory
8260B SIM	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL BUR
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
3535	Solid-Phase Extraction (SPE)	SW846	TAL BUR
5030B	Purge and Trap	SW846	TAL NSH
5030C	Purge and Trap	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

TAL NSH = Eurofins TestAmerica, Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Sample Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-155026-1	MW-2	Water	06/12/19 10:12	06/14/19 11:45	
480-155026-2	MW-1	Water	06/12/19 16:58	06/14/19 11:45	
480-155026-3	TRIP BLANK	Water	06/12/19 00:00	06/14/19 11:45	
480-155026-4	MW-3	Water	06/13/19 07:45	06/14/19 11:45	
480-155026-5	MW-1	Water	06/13/19 08:45	06/14/19 11:45	
480-155026-6	DUP	Water	06/12/19 00:01	06/14/19 11:45	

Chain of Custody Record

[illegible]

Chain of Custody Record

Client Information		Sampler: <u>T. Palmer</u>		Lab PM: Johnson, Oriette S		Carrier Tracking No(s):		COC No: 480-130401-29424.1	
Client Contact: Thomas Palmer		Phone: <u>716-866-3590</u>		E-Mail: oriette.johnson@testamericainc.com				Page: Page 1 of 2	
Company: Groundwater & Environmental Services Inc		Due Date Requested:		Analysis Requested				Job #:	
Address: 415 Lawrence Bell Drive Suite 6		TAT Requested (days): <u>10-Days</u>						Preservation Codes:	
City: Williamsville								A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
State, Zip: NY, 14221		PO #: <u>CallOut ID: 136307</u>						M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Phone:		WO #:						Total Number of containers	
Email: tpalmer@gesonline.com		Project #:						Special Instructions/Note:	
Project Name: Morgan Materials #915307		48019384							
Site: <u>GES Project # 0901761</u>		SSOW#:							

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=Soil, O=Other)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs - SOM1.0	8270D - TCL SVOA - OLM04.2	6010C, 7470A	8260C - TCL list OLM04.2	Analysis Requested	Preservation Codes	Total Number of containers	Special Instructions/Note
MW-2	6-12-19	1612	G	Water	N	N	X	X	X	X			21	
MW-1	6-12-19	1658	G	Water	N	N	X	X	X	X				
Problem	6-12-19			Water	N	N	X	X	X	X				
MW-3	6-13-19	745	G	Water	N	N	X	X	X	X			3	Good shad w/ HCR Metals from other loc
MW-4	6-13-19	845	G	Water	N	N	X	X	X	X			8	HP
DUP	6-12-19		G	Water	N	N	X	X	X	X				
				Water										
				Water										
				Water										
				Water										
				Water										

Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
☐ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Poison B
Deliverable Requested: I, II, III, IV, Other (specify)		☐ Radiological	☐ Unknown
Empty Kit Relinquished by:		Date:	
Relinquished by: <u>[Signature]</u>		Date/Time: <u>6-13-19 1100</u>	
Relinquished by: <u>[Signature]</u>		Date/Time: <u>6/14/19 11:45</u>	
Relinquished by: <u>[Signature]</u>		Date/Time: <u>6/14/19 11:45</u>	
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No.:	
		16212 #11CE	

Chain of Custody Record



Client Information Client Contact: Thomas Palmer Company: Groundwater & Environmental Services Inc Address: 415 Lawrence Bell Drive Suite 6 City: Williamsville State, Zip: NY, 14221 Phone: 716-866-3590 Email: tpalmer@gesonline.com Project Name: Morgan Materials #915307 Site: GCS Project # 0901761		Lab PM: Johnson, Orlette S E-Mail: orlette.johnson@testamericainc.com Phone: 716-866-3590 Project #: 48019384 SSOW#:		Sampler: T. Palmer Due Date Requested: 16-DAY TAT Requested (days): PO #: 16-DAY CallOut ID: 136307 WO #:		Carrier Tracking No(s): Lab PM: Johnson, Orlette S E-Mail: orlette.johnson@testamericainc.com Phone: 716-866-3590 Project #: 48019384 SSOW#:		GOC No: 480-130399-29422.1 Page: Page 1 of 4 Job #:		
Analysis Requested										
Sample Identification MW-2 MW-1 MW-3 Dup		Sample Date 6-12-19 6-12-19 6-13-19 6-12-19	Sample Time 1012 1658 745 -	Sample Type (C=Comp, G=grab) G I I -	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=air) Water Water Water Water Water Water Water Water Water Water Water	Field Filtered Sample (Yes or No) X X X X	Perform MS/MSD (Yes or No) X X X X	8260B, SIM - EDB and EDC A A A A	Total Number of Containers 9 3 3 3	Special Instructions/Note: Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)										
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months										
Special Instructions/QC Requirements:										
Empty Kit Relinquished by: Date: Date/Time: Company:										
Relinquished by: Date/Time: Company:										
Relinquished by: Date/Time: Company:										
Relinquished by: Date/Time: Company:										
Custody Seals Intact: ☐ Yes ☐ No Cooler Temperature(s) °C and Other Remarks: 2.2 #1 ICE										

Chain of Custody Record

urofins

Environment Testing
TestAmerica

Client Information (Sub Contract Lab) Client Contact: _____ Shipping/Receiving: _____ Company: TestAmerica Laboratories, Inc. Address: 30 Community Drive, Suite 11, City: South Burlington State/Zip: VT, 05403 Phone: 802-660-1990(Tel) 802-660-1919(Fax) Email: _____ Project Name: Morgan Materials #915307 Site: _____		Sampler: _____ Lab PM: Johnson, Orlette S E-Mail: orlette.johnson@testamericainc.com Phone: _____ Accreditations Required (See note): NELAP - New York Due Date Requested: 6/26/2019 TAT Requested (days): _____ PO #: _____ WC #: _____ Project #: 48019384 SOW#: _____		No: 50286.1 Page: Page 1 of 1 Job #: 480-155026-1 Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: _____ M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)			
Sample Identification - Client ID (Lab ID) MW-1 (480-155026-5) mw-1 (Y8p-155026-2)		Sample Date 6/13/19 6/13/19	Sample Time 08:45 Eastern 08:45	Sample Type C-Comp, G-grab Preservation Code Water water	Matrix (W-water, S-solid, O-waste/oli, BT-tissue, A-Air) Field Filtered Sample (Yes or No) PFC IDA/336 IVWT (MOD) PFA's, Standard List (21) PFC IDA/336 IVWT (MOD) PFA's, Standard List (21)	Analysis Requested Total Number of Containers 2	Special Instructions/Note: _____
Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.							
Possible Hazard Identification Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months Special Instructions/QC Requirements: _____							
Relinquished by: _____ Relinquished by: _____ Relinquished by: _____		Date: _____ Date: 6-18-19 Date: _____		Company: _____ Company: _____ Company: _____		Method of Shipment: _____ Date/Time: 6/19/19 10:38 Date/Time: _____ Date/Time: _____	
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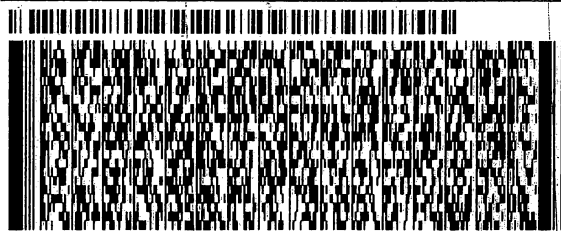
ORIGIN ID:DKKA (716) 691-2600
CHAR BRONSON
TEST AMERICA
10 HAZELWOOD

AMHERST, NY 14228
UNITED STATES US

SHIP DATE: 18JUN19
ACTWGT: 10.00 LB
CAD: 846654/CAFE3211
DIMS: 15x13x10 IN

BILL RECIPIENT

TO **SAMPLE MGT.**
TA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 860-1990 REF: BURLINGTON
DEPT: SAMPLE CONTROL



FedEx
Express

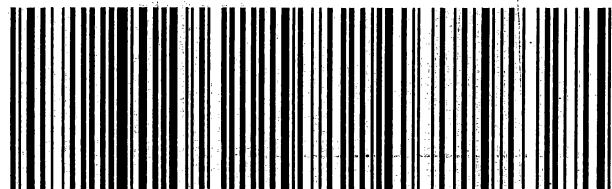


TRK# 4276 0720 0368
0201

WED - 19 JUN 10:30A
PRIORITY OVERNIGHT

XH BTVA

05403
VT-US BTV



Custody
DATE *B-1*
SIGNATURE



COOLER RECEIPT FORM

Cooler Received/Opened On 6/19/2019 @ 0930

Time Samples Removed From Cooler 1550 Time Samples Placed In Storage 1603 (2 Hour Window)

1. Tracking # 0298 (last 4 digits, FedEx) Courier: FedEx
IR Gun ID 17960357 pH Strip Lot NA Chlorine Strip Lot NA

2. Temperature of rep. sample or temp blank when opened: 2.6 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler?

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly?

6. Were custody papers inside cooler?

I certify that I opened the cooler and answered questions 1-6 (initial) GH

7. Were custody seals on containers: YES NO and Intact

Were these signed and dated correctly?

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)?

11. Were all container labels complete (#, date, signed, pres., etc)?

12. Did all container labels and tags agree with custody papers?

13a. Were VOA vials received?

b. Was there any observable headspace present in any VOA vial?



Larger than this.

14. Was there a Trip Blank in this cooler? YES NO...NA If multiple coolers, sequence # GH

I certify that I unloaded the cooler and answered questions 7-14 (initial) GH

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level?

b. Did the bottle labels indicate that the correct preservatives were used

16. Was residual chlorine present?

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) GH

17. Were custody papers properly filled out (ink, signed, etc)?

18. Did you sign the custody papers in the appropriate place?

19. Were correct containers used for the analysis requested?

20. Was sufficient amount of sample sent in each container?

I certify that I entered this project into LIMS and answered questions 17-20 (initial) GH

I certify that I attached a label with the unique LIMS number to each container (initial) GH

21. Were there Non-Conformance issues at login? YES NO Was a NCM generated? YES NO...#

COOLER RECEIPT FORM

Cooler Received/Opened On 6/19/2019@ 930

Time Samples Removed From Cooler 1550 Time Samples Placed In Storage 1603 (2 Hour Window)

1. Tracking # 0302 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID_17610176 pH Strip Lot NA Chlorine Strip Lot NA

2. Temperature of rep. sample or temp blank when opened: 14.9 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) EU

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other Water only None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA



Larger than this.

14. Was there a Trip Blank in this cooler? YES NO...NA If multiple coolers, sequence # GH

I certify that I unloaded the cooler and answered questions 7-14 (initial) GH

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) GH

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

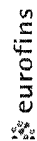
I certify that I entered this project into LIMS and answered questions 17-20 (initial) GH

I certify that I attached a label with the unique LIMS number to each container (initial) GH

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#

Chain of Custody Record

480-155026

Environment Testing
TestAmerica

Client Information (Sub Contract Lab)		Sampler:		Lab PM:										
Client Contact:		Johnson, Orlette S		Johnson, Orlette S										
Shipping/Receiving		Phone:		E-Mail:										
Company:		TestAmerica Laboratories, Inc		orlette.johnson@testamericainc.com										
Address:		2960 Foster Creighton Drive,		New York										
City:		Nashville		NELAP - New York										
State, Zip:		TN, 37204		Accreditations Required (See note):										
Phone:		615-726-0177(Tel) 615-726-3404(Fax)		Job #:										
Email:		Project #:		480-155026-1										
Project Name:		Morgan Materials #915307		Preservation Codes:										
Site:		SSOW#:		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - NaOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:										
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, B=solid, O=wash/oil, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B SIM/6030B EDB and EDC	Analysis Requested		Preservation Codes:		Special Instructions/Note:	
MW-2 (480-155026-1)	6/12/19	10:12 Eastern	Water			X	X						3	Loc: 480
MW-2 (480-155026-1MS)	6/12/19	10:12 Eastern	Water	MS		X	X						3	155026
MW-2 (480-155026-1MSD)	6/12/19	10:12 Eastern	Water	MSD		X	X						3	
MW-1 (480-155026-2)	6/12/19	16:58 Eastern	Water			X	X						3	
MW-3 (480-155026-4)	6/13/19	07:45 Eastern	Water			X	X						3	
DUP (480-155026-6)	6/12/19	Eastern	Water			X	X						3	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

Possible Hazard Identification
Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify)

Primary Deliverable Rank: 2

Empty Kit Relinquished by: Date: Time: Method of Shipment: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months

Relinquished by: Date/Time: Company: Received by: Date/Time: Company: *Day* *6-19-19 0930* *TA-NAS*

Relinquished by: Date/Time: Company: Received by: Date/Time: Company:

Relinquished by: Date/Time: Company: Received by: Date/Time: Company:

Custody Seals Intact: Custody Seal No.: Cooler Temperature(s) °C and Other Remarks: *2.6 / 14.9*

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-155026-1

Login Number: 155026

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-155026-1

Login Number: 155026

List Source: Eurofins TestAmerica, Burlington

List Number: 2

List Creation: 06/19/19 12:38 PM

Creator: Mohn, Taylor J

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Refer to Job Narrative for details.
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.9°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-155026-1

Login Number: 155026

List Source: Eurofins TestAmerica, Nashville

List Number: 3

List Creation: 06/19/19 04:00 PM

Creator: Heyn, Gregory A

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

Isotope Dilution Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307

Job ID: 480-155026-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFHxS (50-150)	PFHpA (50-150)	PFOA (50-150)	PFOS (50-150)	PFNA (50-150)	PFBA (25-150)	PFHxA (50-150)	PFDA (50-150)
480-155026-1	MW-2	228 *	75		141	96	149	87	100
480-155026-1	MW-2			59					
480-155026-5	MW-1	181 *	96	90	103	88		83	89
480-155026-5	MW-1						42		
LCS 200-144281/2-A	Lab Control Sample	141	81	85	113	81	136	88	85
LCS 200-144504/2-A	Lab Control Sample	120	84	99	94	89	91	86	97
MB 200-144281/1-A	Method Blank	154 *	76	86	104	77	138	90	85
MB 200-144504/1-A	Method Blank	111	87	101	87	91	76	88	99
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFUnA (50-150)	PFDoA (50-150)	PFOSA (25-150)	PFPeA (25-150)	PFTDA (50-150)	1-NMeFOSA (50-150)	5-NEtFOSA (50-150)	M262FTS (25-150)
480-155026-1	MW-2	106	88	122	122	83	101	118	152 *
480-155026-1	MW-2								
480-155026-5	MW-1	100	86	78	122	70	92	111	129
480-155026-5	MW-1								
LCS 200-144281/2-A	Lab Control Sample	88	81	90	112	75	83	90	123
LCS 200-144504/2-A	Lab Control Sample	94	86	71	93	85	77	85	99
MB 200-144281/1-A	Method Blank	86	80	70	118	75	81	94	107
MB 200-144504/1-A	Method Blank	97	92	77	96	86	81	102	113
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M282FTS (25-150)	13C3-PFBS (50-150)						
480-155026-1	MW-2	124	196 *						
480-155026-1	MW-2								
480-155026-5	MW-1	86	166 *						
480-155026-5	MW-1								
LCS 200-144281/2-A	Lab Control Sample	108	132						
LCS 200-144504/2-A	Lab Control Sample	104	129						
MB 200-144281/1-A	Method Blank	118	130						
MB 200-144504/1-A	Method Blank	99	112						
Surrogate Legend									
PFHxS = 18O2 PFHxS									
PFHpA = 13C4 PFHpA									
PFOA = 13C4 PFOA									
PFOS = 13C4 PFOS									
PFNA = 13C5 PFNA									
PFBA = 13C4 PFBA									
PFHxA = 13C2 PFHxA									
PFDA = 13C2 PFDA									
PFUnA = 13C2 PFUnA									
PFDoA = 13C2 PFDoA									
PFOSA = 13C8 FOSA									
PFPeA = 13C5 PFPeA									
PFTDA = 13C2 PFTeDA									
d3-NMeFOSAA = d3-NMeFOSAA									
d5-NEtFOSAA = d5-NEtFOSAA									
M262FTS = M2-6:2 FTS									
M282FTS = M2-8:2 FTS									

Isotope Dilution Summary

Client: New York State D.E.C.
Project/Site: Morgan Materials #915307
13C3-PFBS = 13C3 PFBS

Job ID: 480-155026-1

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