

INTERIM REMEDIAL MEASURES CONSTRUCTION COMPLETION REPORT

***Barthelmes Manufacturing Site
15 Cairn Street
Rochester, New York 14611***

Site Code # 828122

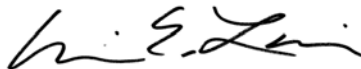
Work Assignment # D006130-24

Prepared By:

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Submitted: February 2013

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CERTIFICATION

I, Nancy Garry, certify that I am currently a NYS registered professional engineer as defined in 6 NYCRR Part 375 and that this Interim Remedial Measures Construction Completion Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.



**Nancy Garry, PE
Contract Manager**

1.0 INTRODUCTION

HRP Associates, Inc. d/b/a HRP Engineering, P.C. of Clifton Park, New York provided oversight of an Interim Remedial Measure (IRM) completed at the Barthelmes Manufacturing Site located at 15 Cairn Street in Rochester, New York for the New York State Department of Environmental Conservation (NYSDEC). The IRMs were completed, in accordance with the NYSDEC approved *Interim Remedial Measure (IRM) Excavation Workplan* dated January 17, 2013. The IRM activities discussed in this report were completed in Operable Unit One 01B area (OU1-01B) the Former Vapor Degreaser Area. A site map is shown in **Figure 1**. Field activities associated with the IRM included the installation of structural supports within the area of the excavation work and the excavation and off-site disposal of contaminated soils, brick and slag within the former vapor degreaser area that exceeded the Protection of Groundwater Subpart Part 375 Soil Cleanup Objectives (SCOs) for Chlorinated Volatile Organic Compounds (CVOCs) including Trichloroethylene (TCE) and cis-1,2- Dichloroethylene (cis-1-2 DCE). In a separate excavation located approximately 10 feet south of the former vapor degreaser excavation, HRP also removed soils that exceed the Industrial SCOs for Arsenic.

Soil excavation, soil transport and disposal, structural support and site restoration activities were contracted through Op-Tech Environmental, Inc. (Op-Tech) of Rochester, New York. Excavation and site restoration activities were completed from January 23 through February 25, 2013. A total of 103 tons of chlorinated volatile organic compound (CVOOC) and Arsenic impacted soil and materials were excavated by Op-Tech and transported to the Waste Management (WM) Mill Seat Landfill in Bergen, New York by MJ Dreher Trucking, Inc. for disposal. In addition, approximately 40 tons of concrete slab was transported to Village Construction of Rochester, New York for recycling.

1.1 Site Health and Safety

A site specific Health and Safety Plan (HASP) was completed for use on the site during the completion of the IRMs. The HASP included a listing of all site tasks, potential hazards, and procedures to be followed to complete each task. Additionally, a Multi-RAE photoionization detector (PID) was used to screen for VOCs and Dustrak particulate meters were used to monitor particulates as part of a community air monitoring program (CAMP). As part of the CAMP requirements, one Dustrak was placed north and one Dustrak was placed south of the work zone. Additionally, a PID was placed near the edge of the excavation to continually monitor the breathing zone for VOCs and another monitored for VOCs when not used for soil screening. Periodic readings were observed from the Dustraks and the PID to monitor the site conditions. The action levels of 150 micrograms per liter and 5 part per million, respectively, integrated over a 15 minute period were never exceeded during site activities, as shown in **Appendix E**. To prevent particulates from becoming airborne, Op-Tech provided dust control throughout the duration of the excavation.

2.0 SOIL EXCAVATION

2.1 Excavation Activities

Prior to starting the excavation activities, a temporary roof shoring system designed by a professional engineer was constructed consisting of beams and columns supported on donnage. The system was constructed to facilitate excavation activities near structural features (i.e. support columns) immediately adjacent to the excavation area. The support system was constructed between January 23 and 25, 2013 by Op-tech. The support system was reviewed after installation and approved by a NYS Professional Engineer prior to excavation activities.

The proposed excavation area was marked out on the ground surface prior to starting concrete cutting and removal. The IRM excavation began on January 28, 2013 and concluded on February 5, 2013. On January 28th, representatives from HRP and Op-Tech mobilized to the site and began concrete slab floor removal in order to access and remove the vapor degreaser and surrounding soils. The outer boundaries of the excavation were saw-cut, and then broken up via a jackhammer attached to the excavator. The smaller concrete slabs were then removed with the excavator bucket to expose the soil. Excavation of the vapor degreaser began the same day and excavation continued to the south, east and west prior to expanding the excavation vertically. As the excavation progressed, the jackhammer was periodically re-attached to facilitate the removal of the concrete base and sides of the degreaser and the concrete supports connected to the west side of the vapor degreaser.

The excavation was approximately 20 feet by 20 feet in size and soils were excavated to an average depth of 8 feet below grade with eastern and western areas of the excavation reaching 5 feet below grade to bench the excavation for structural support. The soils being removed from the excavation were screened with a PID and readings of the soils that were removed ranged from 75 ppmv to 2,500 ppmv. PID readings indicated VOC concentrations decreased with depth and lateral distance from the former vapor degreaser (soil screening results are located in **Table 2**). Groundwater was encountered intermittently at 7 to 8 feet below grade; however, no groundwater was removed from the excavation as part of the IRM. Other materials including slag and brick were also encountered and removed from the west side of the excavation in between the two concrete supports. Bedrock was not encountered during the excavation. Approximately 103 tons of soil, slag and brick was excavated for off-site disposal from the former vapor-degreaser excavation.

HRP collected eight (8) grab confirmatory soil samples along the sidewalls and bottom of the former vapor degreaser excavation area. The sidewall and bottom samples represent the soil that remains in place after the excavation. In addition to the post excavation samples, two samples (PE-3 and PS-1) were collected from the contaminated soil that had been removed from the excavation to provide a baseline as to the levels of soil contamination within the area of the former vapor degreaser prior to the remedial activities. It should be noted that these soils were excavated and disposed of off-site. All samples were submitted to TestAmerica for analysis of volatile organic compounds (VOCs) via USEPA Method 8260B and TCL Metals via USEPA Method 6010B. Analytical results are discussed in Section 2.4.

On February 5, 2013, an additional area approximately 10 feet south of the former vapor degreaser excavation was also excavated to remove soil exceeding Industrial SCOs for Arsenic (in the area of SB-9). It should be noted that this was a separate excavation from the former degreaser excavation. This excavation was approximately 4 feet by 4 feet in size and soils were excavated to an average depth 5 feet below grade. The soils being removed from the excavation were screened with a PID and no PID readings above background were detected during this excavation. No groundwater or bedrock was encountered in this excavation. In total, approximately 3 tons of additional contaminated soil was excavated from the SB-9 area.

HRP collected a grab confirmatory soil samples at the base of this excavation (X-2 Bottom 5'-5.5'). This sample was supplemented by the samples collected from the nearby vapor degreaser area that were also analyzed for metals including Arsenic. The samples were submitted to TestAmerica for analysis of Arsenic. Analytical results are discussed in Section 2.4.

Approximately 103 tons of soil, slag, and brick, and approximately 40 tons of concrete slab was excavated by Op-Tech from both excavation areas. The contaminated materials were transported via skid-steer and staged on plastic sheeting outside of the building for off-site disposal. The stockpile was kept covered with poly sheeting until ready for transportation off-site. The soil was transported by MJ Dreher Trucking, Inc. to the WM Mill Seat Landfill in Bergen, New York for disposal. The concrete slab was broken down and sent to Village Construction of Rochester, New York for recycling. Limits of soil excavation and post excavation soil sample locations are shown in **Figure 2**. Soil and concrete disposal and transport receipts are included in **Appendix B**.

2.2 Backfilling and Restoration Activities

Upon receiving NYSDEC approval of each completed excavation, including receipt of the laboratory analytical results, the excavation areas were backfilled with clean fill material and a horizontal injection well was installed as discussed in **Section 2.3**. It should be noted that the clean backfill material was sampled prior to its use. For documentation of the clean fill, refer to **Appendix C**. A demarcation barrier was placed in the excavations prior to placement of backfill, to delineate soil left in place from material used as backfill. Orange snow fence was used as the demarcation barrier. This type of barrier would allow liquids to pass through during possible subsequent injections to address the residual groundwater contamination. The top approximate 6 inches in OU-01B was backfilled with crushed stone/subbase prior to finishing the floor area with ASTM Standard C151 concrete as per the bid specifications. In addition, steel rebar was placed above the subbase prior to the placement of concrete in accordance with the bid specifications. Restoration activities were completed on February 21 through 25, 2013. The boundaries of both excavation areas were surveyed by Shumaker Consulting Engineering and Land Surveying, P.C. and survey data is included as **Appendix F**. Photographs of the excavation and restoration activities are located in **Appendix A**.

2.3 Well installation

Prior to backfilling the vapor degreaser excavation, a horizontal well was installed in the excavation of the former vapor area for use in later in-situ applications to address residual groundwater contamination. Injection well INJ-3 was installed in the OU-01B area with approximately 10 feet of 6-inch diameter polyvinyl chloride (PVC) riser and 20 feet of 6-inch diameter 0.010 slotted PVC screen. The well was built with a PVC "T" at the base of the solid riser, and the PVC "T" was connected to two 10 foot sections of 6-inch diameter horizontal slotted PVC screen which runs the approximate length of the excavation bottom. Pea gravel was placed around the slotted PVC screen in approximately 2 to 3 foot thickness prior to backfilling with clean fill, crushed stone, and concrete to grade. A 12-inch diameter flush mount bolt-down manway was placed over the well and a 1 foot by 1 foot concrete pad was constructed around the manway.

2.4 Soil Analytical Results

A total of nine (9) post excavation soil samples collected from the sidewalls and base of the excavations were submitted to TestAmerica Analytical Testing Corporation (TestAmerica) of Buffalo, NY for analyses of the Target Compound List (TCL) of volatile organic compounds (VOCs) via USEPA Method 8260B, TCL Metals via USEPA Method 6010B, or Arsenic. Compounds detected in the soils tested during these IRM activities were compared to NYSDEC Regulation, 6 NYCRR Subpart 375-6 "Remedial Program Soil Cleanup Objectives".

Eight (8) post excavation samples were collected during the IRM from the former degreaser excavation. The VOC compounds detected in the post excavation soil samples collected from the former degreaser area were below the Protection of Groundwater SCOs with the exception of one location. In sample PE-2 (6.5'-7.5' bgs), cis-1,2-DCE was detected at a concentration of 0.57 mg/kg which marginally exceeds the Protection of Groundwater SCO (0.25 mg/kg). In order to keep structural features (i.e. support columns) located in the vapor degreaser area intact and undisturbed, these soils that exceed the Protection of Groundwater SCOs within the excavation area were left in place. In addition, the metals detected in the post excavation samples were below the Unrestricted SCOs with the exception of two locations. Sample PE-1 5'-6' (275 mg/kg) and PE-5 6'-7' (389 mg/kg) exceeded the Unrestricted SCOs for Zinc (109 mg/kg), but did not exceed the Commercial Use SCOs.

In addition to the post excavation samples, two samples (PE-3 and PS-1) were collected from the contaminated soil that had been removed from the excavation to provide a baseline as to the levels of soil contamination within the area of the former vapor degreaser prior to the remedial activities. Sample PS-1 (5'-6") was collected from representative material with the highest PID reading (2,500 ppmv). Sample PE-3 (5'-6') was collected near the base of the concrete structure at the northwest corner of the excavation to evaluate conditions at this location and to determine if the concrete structures required removal. Soil sample results from the representative contaminated material contained TCE that exceeded Protection of Groundwater and Industrial SCOS ranging from 1.9 mg/kg (PE-3) to 4,100 mg/kg (PS-1). Other VOCs detected, such as 1,1 DCE, acetone, cis-1,2 DCE,

ethylbenzene, Xylene, methylene chloride, Tetrachloroethylene (PCE), and Toluene also exceeded Protection of Groundwater SCOs. It should be noted that these soils were excavated and disposed of off-site.

Additionally, a separate excavation was conducted during the IRM at SB-9, where an exceedance of Industrial SCOs for Arsenic was detected in September 2011. Post-excavation soil sampling was collected at the base of this excavation (X-2 Bottom 5'-5.5') and was analyzed for Arsenic. The results indicate the Arsenic concentrations detected (2.5 mg/kg) are below Unrestricted SCOs (13 mg/kg). This result is supplemented by additional soil samples collected from the adjacent vapor degreaser area in which the results confirm arsenic was not present in soil above SCOs. No exceedances of Industrial SCOs for metals remain in onsite soils.

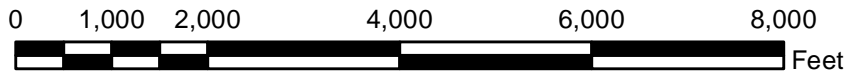
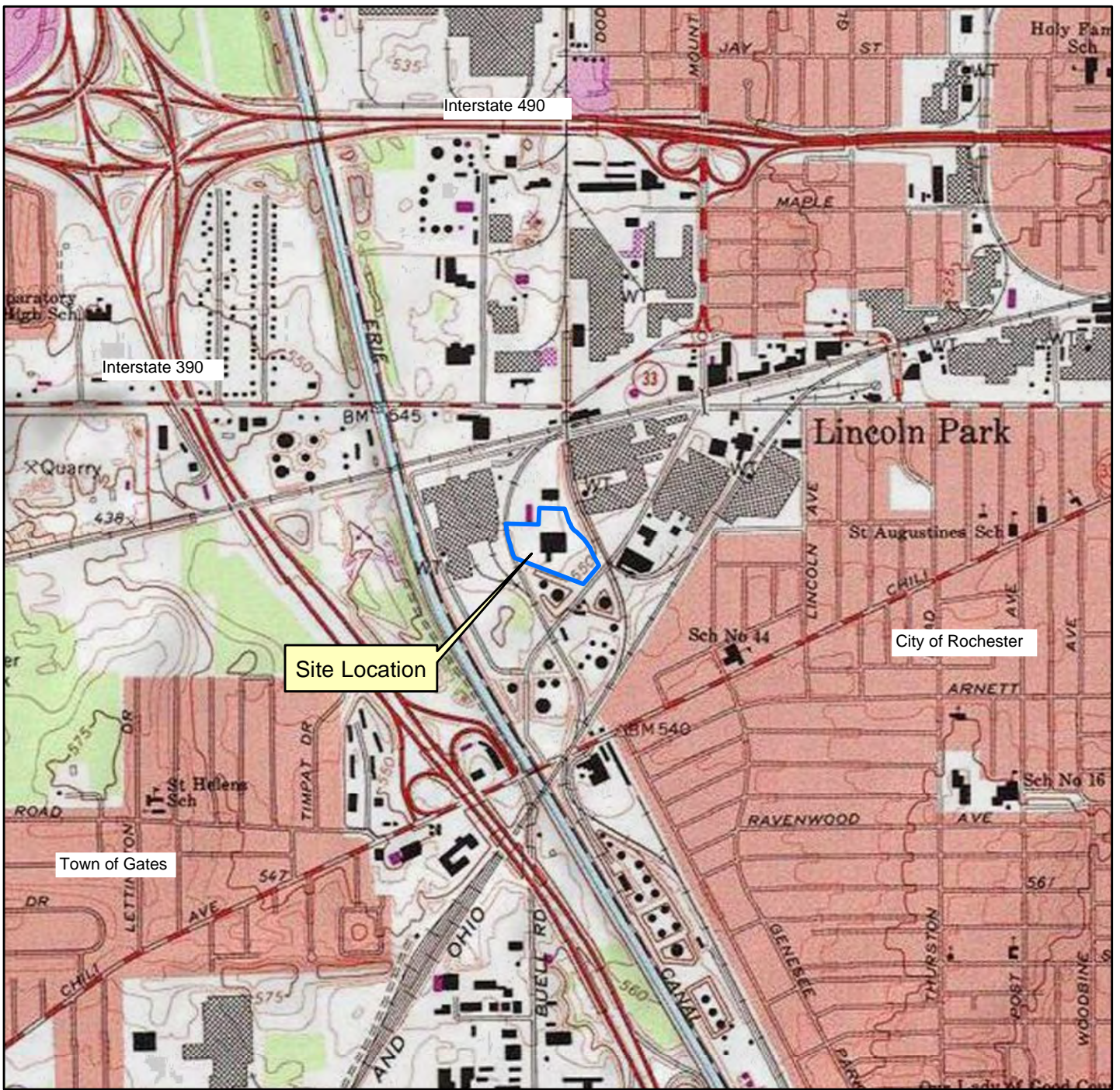
Soil analytical results are presented in **Table 1**. The soil analytical data is illustrated on **Figure 3**. The soil analytical report is included in **Appendix D**.

3.0 CONCLUSIONS

Pursuant to the *IRM Excavation Workplan*, CVOC contaminated soil was removed from the former vapor degreaser area (OU-01B). The following are conclusions based on completion of the IRM:

- Based on pre-IRM subsurface soil sampling, it was estimated that approximately 50 to 100 tons of CVOC and metal contaminated soil from the OU-01B area exceeded the Protection of Groundwater SCOs and required removal.
- Between January 28 and February 5, 2013, a total of 103 tons of contaminated soil, slag and brick was excavated from the former vapor degreaser (OU-01B) area and the small excavation at SB-9 approximately 10 feet to the south of the former vapor degreaser. In addition, approximately 40 tons of concrete slab was removed for recycling.
- With the exception of inaccessible soil left beneath a building structural support footing, post excavation soil sampling documented that the IRM was effective in removing soil containing CVOCs at concentrations exceeding the protection of groundwater SCOs. Confirmation soil samples collected from beneath a concrete footing contained cis-1,2-DCE at a concentration (0.570 ppm) slightly above the protection of groundwater SCO (0.250 ppm). The cis-1,2-DCE present in soil that could not be removed during the IRM represents a small volume of soil and only marginally exceeds the protection of groundwater SCO for cis-1,2-DCE. TCE and cis-1,2-DCE achieved the protection of groundwater SCOs in all of the remaining post excavation confirmation soil samples.
- Post-excavation soil sampling analytical results from the smaller excavation south of the vapor degreaser area document that the IRM activities effectively removed soil that contained metals, specifically Arsenic, at concentrations exceeding Industrial SCOs. No exceedances of Industrial SCOs for metals remain in onsite soils for Operable Unit 01.
- Soil sample results from excavated material (PS-1) also document that TCE exceeding Industrial SCOs was removed from immediately beneath the former vapor degreaser, and field screening indicated that this material is representative of previously inaccessible material immediately beneath the former vapor degreaser.
- A horizontal injection well (INJ-3) was installed, with 20 feet of PVC screen, in the excavation. The injection well will allow for the addition of in-situ amendments to address residual soil and groundwater contamination.

FIGURES

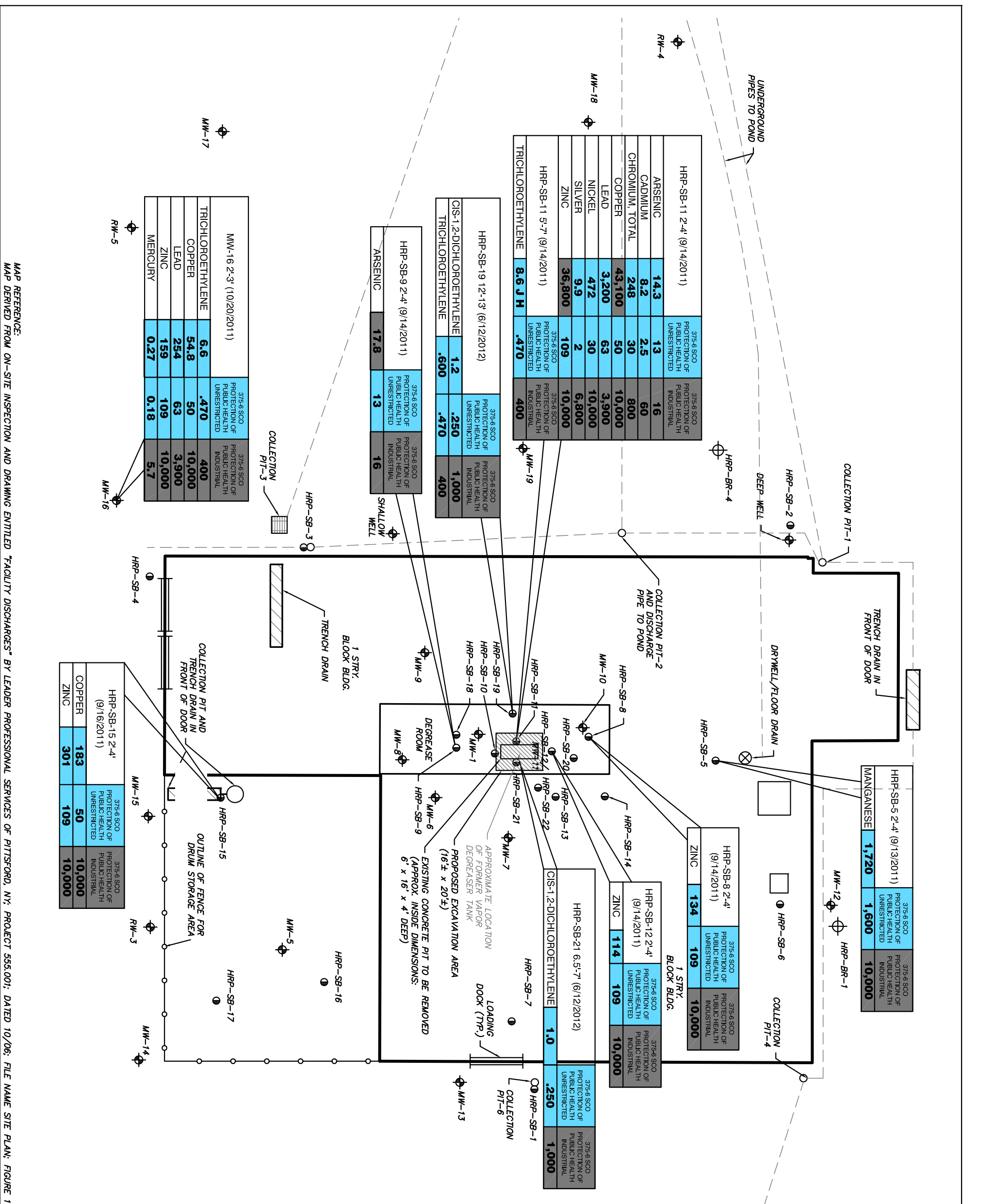


1 inch = 2,000 feet



Figure 1
Site Location Map
Barthelmes Manufacturing
15 Cairn Street
Rochester, New York
HRP # NEW9624.P2
Scale 1" = 2,000'

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- LEGEND**
- -HRP SOIL BORING
 - ⊕ -MONITORING WELL
 - ⊕ -BEDROCK MONITORING WELL
 - -EXCEEDS 375-6 SCO - PROTECTION OF PUBLIC HEALTH INDUSTRIAL
 - -EXCEEDS 375-6 SCO - PROTECTION OF PUBLIC HEALTH INDUSTRIAL (SOIL IN PPM)
 - -PROPOSED EXCAVATION AREA

NOTE:
MW-16, MW-5 AND SURROUNDING SOIL WERE REMOVED DURING JANUARY 2012 IRM EXCAVATION.

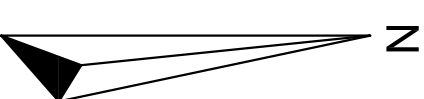
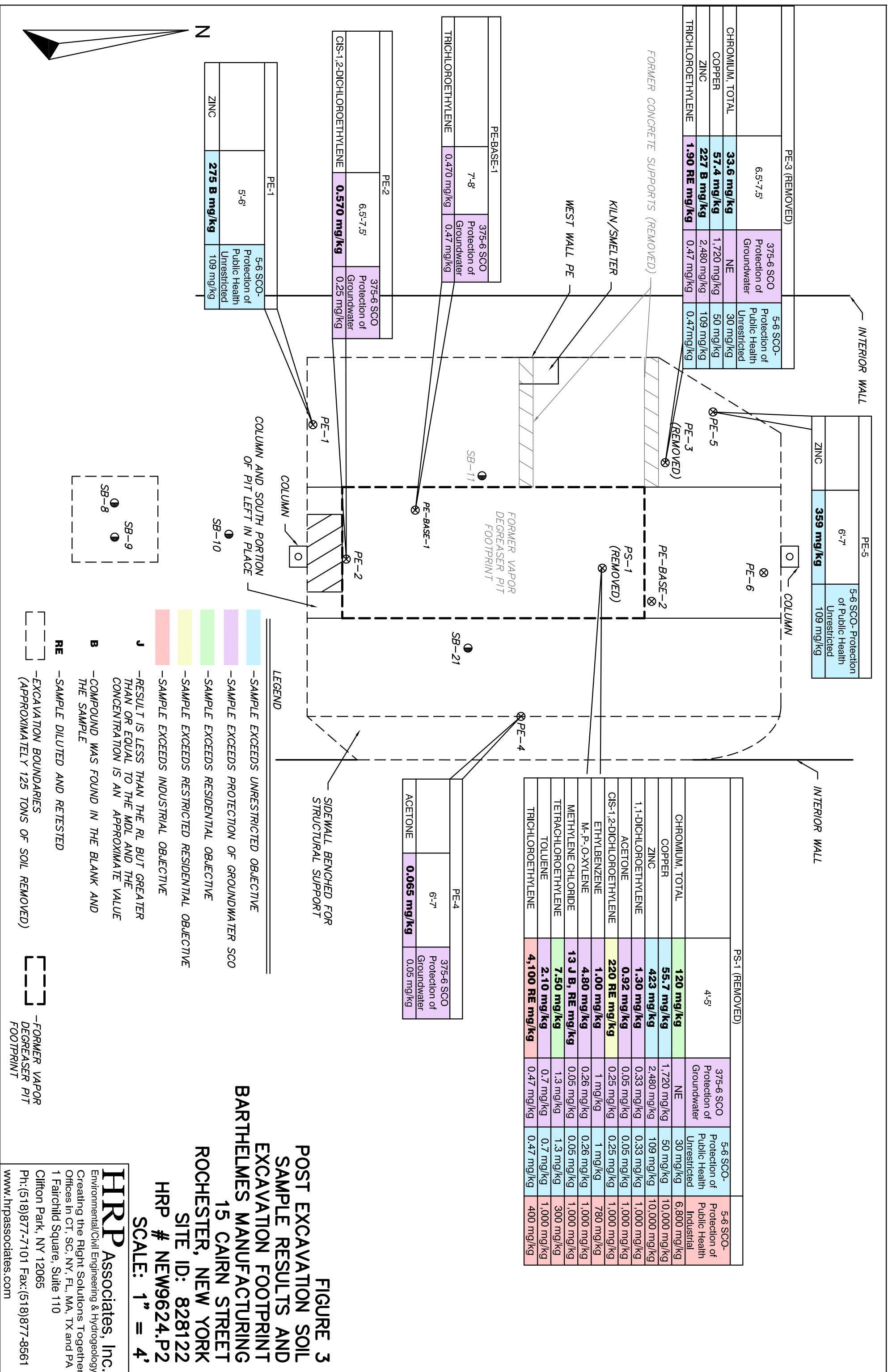


FIGURE 2
SOIL SAMPLE EXCEEDANCES
AND EXCAVATION AREA
BARTHELME'S
MANUFACTURING
15 CAIRN STREET
ROCHESTER, NEW YORK
HRP # NEW9624.P2
NOT TO SCALE

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MAP REFERENCE:
MAP DERIVED FROM ON-SITE INSPECTION AND DRAWING ENTITLED "FACILITY DISCHARGES" BY LEADER PROFESSIONAL SERVICES OF PITSFORD, NY; PROJECT 555.001; DATED 10/06; FILE NAME SITE PLAN; FIGURE 17.



PE-3 (REMOVED)		5-6 SCO- Protection of Public Health Unrestricted
6.5'-7.5'	375-6 SCO Protection of Groundwater	30 mg/kg
CHROMIUM, TOTAL	NE	50 mg/kg
COPPER	1,720 mg/kg	109 mg/kg
ZINC	2,480 mg/kg	109 mg/kg
TRICHLOROETHYLENE	0.47 mg/kg	0.47 mg/kg

PE-5		5-6 SCO- Protection of Public Health Unrestricted
6'-7'	375-6 SCO Protection of Groundwater	109 mg/kg
ZINC	359 mg/kg	109 mg/kg

PS-1 (REMOVED)		4-5'	375-6 SCO Protection of Groundwater	5-6 SCO- Protection of Public Health Unrestricted	5-6 SCO- Protection of Public Health Industrial
CHROMIUM, TOTAL	NE	30 mg/kg	6,800 mg/kg		
COPPER	1,720 mg/kg	50 mg/kg	10,000 mg/kg		
ZINC	2,480 mg/kg	109 mg/kg	10,000 mg/kg		
1,1-DICHLOROETHYLENE	0.33 mg/kg	0.33 mg/kg	1,000 mg/kg		
ACETONE	0.05 mg/kg	0.05 mg/kg	1,000 mg/kg		
CIS-1,2-DICHLOROETHYLENE	0.25 mg/kg	0.25 mg/kg	1,000 mg/kg		
ETHYLBENZENE	1 mg/kg	1 mg/kg	780 mg/kg		
M.-P.-O-XYLENE	0.26 mg/kg	0.26 mg/kg	1,000 mg/kg		
METHYLENE CHLORIDE	0.05 mg/kg	0.05 mg/kg	1,000 mg/kg		
TETRACHLOROETHYLENE	1.3 mg/kg	1.3 mg/kg	300 mg/kg		
TOLUENE	0.7 mg/kg	0.7 mg/kg	1,000 mg/kg		
TRICHLOROETHYLENE	0.47 mg/kg	0.47 mg/kg	400 mg/kg		

PE-4		375-6 SCO Protection of Groundwater
6'-7'	375-6 SCO Protection of Groundwater	0.05 mg/kg
ACETONE	0.065 mg/kg	0.05 mg/kg

PE-2		375-6 SCO Protection of Groundwater
6.5'-7.5'	375-6 SCO Protection of Groundwater	0.25 mg/kg
CIS-1,2-DICHLOROETHYLENE	0.570 mg/kg	0.25 mg/kg

PE-BASE-1		375-6 SCO Protection of Groundwater
7'-8'	375-6 SCO Protection of Groundwater	0.47 mg/kg
TRICHLOROETHYLENE	0.470 mg/kg	0.47 mg/kg

PE-1		5-6 SCO- Protection of Public Health Unrestricted
5'-6'	5-6 SCO- Protection of Public Health Unrestricted	109 mg/kg
ZINC	275 B mg/kg	109 mg/kg

LEGEND

- SAMPLE EXCEEDS UNRESTRICTED OBJECTIVE
- SAMPLE EXCEEDS PROTECTION OF GROUNDWATER SCO
- SAMPLE EXCEEDS RESIDENTIAL OBJECTIVE
- SAMPLE EXCEEDS RESTRICTED RESIDENTIAL OBJECTIVE
- SAMPLE EXCEEDS INDUSTRIAL OBJECTIVE

- 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 THE SAMPLE
- RE** -SAMPLE DILUTED AND RETESTED
- EXCAVATION BOUNDARIES (APPROXIMATELY 125 TONS OF SOIL REMOVED)
- FORMER VAPOR DEGREASER PIT FOOTPRINT

FIGURE 3
POST EXCAVATION SOIL
SAMPLE RESULTS AND
EXCAVATION FOOTPRINT
BARTHELME'S MANUFACTURING
15 CAIRN STREET
ROCHESTER, NEW YORK
SITE ID: 828122
HRP # NEW9624.P2
SCALE: 1" = 4'

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TABLES

**Table 1 - Post Excavation Soil Samples-Analyzed for Metals 6010B and VOCs 8260 B
Barthelmes Manufacturing Site
15 Cairn Street
Rochester, New York
1/28/2013-2/5/2013**

**375-6 SCO - Protection of Public Health - Unrestricted, Residential, Restricted Residential, Commercial, and Industrial
(Only detected constituents are listed)**

Soil Sample ID Depth (ft.) Date Collected	PE- BASE 1 7'-8' 1/31/2013	PE- BASE 2 7'-8' 1/31/2013	PE-1 5-6 5'-6' 1/28/2013	PE-2 6.5-7.5 6.5-7.5 1/30/2013	PE-3 6.5-7.5 6.5-7.5 1/30/2013	PE-4 6-7 6'-7' 1/31/2013	PE-5 6-7 6'-7' 1/31/2013	PE-6 6-7 6'-7' 1/31/2013	PS-1 4'-5' 1/31/2013	West Wall PE 2'-4' 1/30/2013	X-2 Bottom 5'-5.5 02/05/13	375-6 SCO - Protection of Groundwater	5-6 SCO - Protection of Public Health Unrestricted	375-6 SCO - Protection of Public Health - Residential	375-6 SCO - Protection of Public Health - Restricted Residential	375-6 SCO - Protection of Public Health - Commercial	5-6 SCO - Protection of Public Health Industrial
Metals (mg/kg)	CAS #																
Aluminum, Total	7429-90-5	3880	4210	3740	2790	3660	2790	2360	2270	5610	6030	NA	NE	NE	NE	NE	NE
Arsenic	7440-38-2	4.6	2.5	2 J	0.73 J	1.7 J	1.1 J	2.4	1.2 J	4.6	2.7	2.5	16	13	16	16	16
Barium	7440-39-3	35.4	32.9	37.1	10.1	24.3	26.7	32	10.8	36.3	40.3	NA	820	350	350	400	10,000
Beryllium	7440-41-7	0.18 J	0.19 J	0.16 J	0.093 J	0.12 J	0.11 J	0.18 J	0.11 J	0.18 J	0.22 J	NA	47	7.2	14	72	2,700
Cadmium	7440-43-9	0.14 J	0.1 J	0.4	0.052 J	0.66	0.26	0.66	<0.033 U	1.4	0.1 J	NA	7.5	2.5	2.5	4.3	60
Calcium	7440-70-2	45000	57000	2950 B	22000 B	28600 B	28700	114000	1920	48700	3220 B	NA	NE	NE	NE	NE	NE
Chromium, Total	7440-47-3	13.6	7.2	32	4	33.6	20.9	9.2	16.2	120	9.5	NA	NE	30	36	180	6,800
Cobalt	7440-48-4	3.4	3.5	2.7	3.1	2.8	2.8	3.2	1.1	4.2	2.6	NA	NE	NE	NE	NE	NE
Copper	7440-50-8	12.2	9.8	15.8	3.8	57.4	6.2	48.6	4.2	55.7	6.2	NA	1,720	50	270	270	10,000
Iron	7439-89-6	8750	9000	8220 B	6120 B	6860 B	5660	8810	6130	17900	8000 B	NA	NE	NE	NE	NE	NE
Lead	7439-92-1	5	5.6	3.4	1.3	7.5	2.2	6.6	3.2	19.1	8.4	NA	450	63	400	400	3,900
Magnesium	7439-95-4	10300	12300	1070 B	5780 B	6180 B	7080	32800	894	11400	1550 B	NA	NE	NE	NE	NE	NE
Manganese	7439-96-5	285 B	283 B	165 B	212 B	210 B	320 B	165 B	40.6 B	618 B	151 B	NA	2,000	1,600	2,000	10,000	10,000
Mercury	7439-97-6	<0.0093 U	<0.0084 U	<0.0085 U	<0.0094 U	<0.0089 U	<0.0097 U	<0.0088 U	<0.0089 U	<0.0086 U	0.038	NA	0.73	0.18	0.81	0.81	5.7
Nickel	7440-02-0	8.3	9.3	6.8	6.5	11.1	6.6	16.4	3.6 J	21.3	5.3 J	NA	130	30	140	310	10,000
Potassium, Total	7440-09-7	866	1050	582	506	746	620	1050	493	882	729	NA	NE	NE	NE	NE	NE
Selenium	7782-49-2	<0.5 U	<0.48 U	<0.45 U	<0.43 U	<0.45 U	<0.45 U	<0.39 U	<0.43 U	0.57 J	0.57 J	NA	4	3.9	36	180	6,800
Sodium, Total	7440-23-5	240	210	116 J B	112 J B	294 B	168	199	131 J	840	156 J B	NA	NE	NE	NE	NE	NE
Vanadium	7440-62-2	9.7	11	8.4	7.2	7.5	7.7	9.8	4.6	13.6	12.5	NA	NE	NE	NE	NE	NE
Zinc	7440-66-6	58.7	19.8	275 B	14.2 B	227 B	71.9	359	18.2	423	26.6 B	NA	2,480	109	2,200	10,000	10,000
VOCs (mg/kg)																	
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	ND	ND	0.0059	ND	ND	ND	ND	ND	NA	NE	NE	NE	NE	NE
1,1-Dichloroethylene	75-35-4	ND	ND	ND	ND	ND	ND	ND	ND	1.30	ND	NA	0.33	0.33	100	100	1,000
1,2-Dichloroethane	107-06-2	ND	ND	ND	ND	ND	ND	ND	ND	<0.048 U	ND	NA	0.02	0.02	2.3	3.1	60
2-Butanone (MEK)	78-93-3	ND	ND	ND	ND	ND	ND	ND	ND	<0.350 U	ND	NA	0.12	0.12	100	100	1,000
2-Hexanone (Methyl butyl)	591-78-6	ND	ND	ND	ND	0.0063 J	ND	ND	ND	ND	ND	NA	NE	NE	NE	NE	NE
Acetone	67-64-1	ND	0.044	ND	ND	0.014 J	0.065	0.037 J	ND	0.92	ND	NA	0.05	0.05	100	100	1,000
cis-1,2-Dichloroethylene	156-59-2	0.049 J	0.045	0.0053	0.570	0.180	0.0077	0.0093 J	ND	220 RE	0.0023 J	NA	0.25	0.25	59	100	1,000
Ethylbenzene	100-41-4	ND	ND	ND	ND	0.0051	ND	ND	ND	1.00	ND	NA	1	1	30	41	780
Isopropylbenzene	98-82-8	ND	ND	ND	ND	0.007	ND	0.0044 J	ND	0.600	ND	NA	NE	NE	NE	NE	NE
m-,p-,o-Xylene	1330-20-7	ND	ND	ND	ND	0.029	ND	ND	ND	4.80	ND	NA	0.26	0.26	100	100	1,000
Methylene chloride	75-09-2	ND	ND	ND	ND	ND	ND	ND	ND	13 J B, RE	ND	NA	0.05	0.05	51	100	1,000
Styrene	100-42-5	ND	ND	ND	ND	0.00039 J	ND	ND	ND	NE	ND	NA	NE	NE	NE	NE	NE
Tetrachloroethylene	127-18-4	ND	ND	ND	ND	0.0036 J	ND	ND	ND	7.50	ND	NA	1.3	1.3	5.5	19	300
Toluene	108-88-3	ND	ND	ND	ND	0.0022 J	ND	ND	ND	2.10	ND	NA	0.7	0.7	100	100	1,000
trans-1,2-Dichloroethylene	156-60-5	ND	ND	ND	ND	ND	ND	ND	ND	0.140	ND	NA	0.19	0.19	100	100	1,000
Trichloroethylene	79-01-6	0.470	0.046	0.0056	0.170	1.90 RE	0.0042 J	0.430	0.0042 J	4,100 RE	0.0073	NA	0.47	0.47	10	21	400
Vinyl chloride	75-01-4	ND	ND	ND	ND	ND	ND	ND	ND	<0.039 U	ND	NA	0.02	0.02	0.21	0.9	27

NE Not Established
NA Not Analyzed
ND Sample is Below Minimum Detection Limit at Laboratory
<### Sample is Below Minimum Detection Limit at Laboratory, but above minimum SCOs
mg/kg Milligrams per Kilogram
BGS Below Ground Surface
Chromium, Total Trivalent Chromium Standard Used
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 the sample
U Analyte included in analysis, but not detected at or above the MDL
RE Sample Diluted and Retested.
Yellow background Sample locations removed during January 2013 IRM excavation

**Table 2 - Soil Screened During Excavation
Barthelmes Manufacturing Site
15 Cairn Street
Rochester, New York
Soil Screening During Excavation**

Date	Location	Depth (feet below grade)	VOCs
			PPMv
1/28/2012	SB-11	2'-3'	0.0
1/28/2012	SB-11	4'-5'	30.0
1/28/2012	northwest quadrant of excavation near PE-3	5'-6'	100.0
1/28/2012	west edge of pit near PE-Base 1	5'-6'	200.0
1/28/2012	5 feet north of PE-1	5'-6'	20.0
1/28/2012	PE-1	5'-6'	5
1/29/2012	West wall near brick oven	2'-3'	0.0
1/29/2013	West wall near brick oven	3'-4'	0.0
1/29/2013	northwest quadrant of excavation	4'-5'	100.0
1/29/2013	northwest quadrant of excavation	5'-6'	150.0
1/29/2013	southwest corner sidewall	5'-6'	0.0
1/29/2013	SB-21	2'-3'	0.0
1/29/2013	SB-21	3'-4'	5.0
1/30/2013	area beneath degreaser S. Side	5'-6'	500.0
1/30/2013	area beneath degreaser S. Side base	6'-7'	100.0
1/30/2013	area beneath degreaser SW Side	5'-6'	200.0
1/30/2013	SB-11	5'-6'	200.0
1/30/2013	5 feet N of PE-2	6'-7'	200.0
1/30/2013	Pe-2 at column	6.5-7.5	150.0
1/30/2013	central degreaser area beneath concrete	5.5'-6'	1000.0
1/30/2013	Central degreaser area - base	6.5'-7.5'	80.0
1/30/2013	PE-3	6.5'-7.5'	35.0
1/30/2013	SW corner of degreaser near column	5'-6'	20.0
1/30/2013	Eastern sidewall near PE-4	5'-6'	75.0
1/31/2013	PE-4	6'-7'	30.0
1/31/2013	north-central degreaser area beneath concrete	5'-6'	2000.0
1/31/2013	PS-1 beneath concrete	5'-6'	2500.0
1/31/2013	beneath PS-1	6'-6.5'	500.0
1/31/2013	base beneath PS-1/ Base 2	7'-8'	150.0
1/31/2013	north sidewall/ PE-6	6'-7'	75.0
1/31/2013	northeast corner sidewall	6'-7'	10.0
1/31/2013	west sidewall/ PE-5	6'-7'	25.0
1/31/2013	PE-Base 1	7'-8'	50.0
2/5/2013	North Sidewall SB-9 excavation	2'-3'	0.0
2/5/2013	South Sidewall SB-9 excavation	2'-3'	0.0
2/5/2013	East Sidewall SB-9 excavation	2'-3'	0.0
2/5/2013	West Sidewall SB-9 excavation	2'-3'	0.0
2/5/2013	SB-9 excavation base	5'-5.5'	0.0

VOCs Volatile Organic Compounds
PPMv Parts Per Million by volume

APPENDIX A
Photograph Documentation

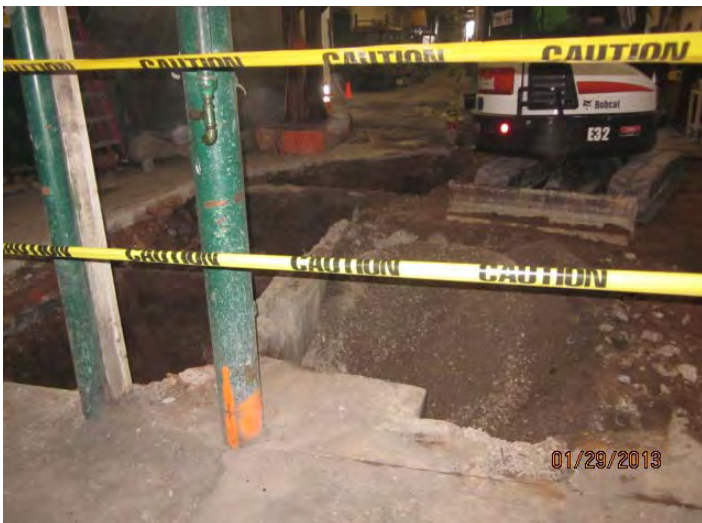
Photograph of excavation area with structural supports in place.



Representative photograph of structural supports in place.



Photograph of partially removed vapor degreaser pit.



Photograph of excavation work area.



Photograph of west side of former vapor degreaser pit with concrete supports to the west.



Photograph of jackhammer dismantling the southern portion of the former vapor degreaser.



Photograph of southern portion of the former vapor degreaser left in place.



Photograph of southern portion of the vapor degreaser left in place.



Photograph of former brick oven and southwest corner of the excavation.



Photograph of demarcation barrier placed at bottom of completed excavation.



Photograph of horizontal injection well placed into excavation.



Photograph of backfill activities.



Photograph of partially backfilled excavation and well riser.



Photograph of work area.



Photograph of backfilled excavation and well riser.



Photographed of excavation completed with concrete.



Photograph of small excavation near SB-9



Photograph of small excavation near SB-9 partially backfilled.



APPENDIX B

Soil Disposal Receipts and Manifests



Mill Seat Landfill
303 Brew Rd.
Bergen, NY, 14416
Ph: (585) 494-3000

Original
Ticket# 724323

Customer Name DPTECHENVIRONMENTAL-110534NY Carrier MJD M J DREHER TRUCKING, INC.
 Ticket Date 02/22/2013 Vehicle# 14 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver GEORGE SEPT 10, 2013
 Hauling Ticket# Check#
 Route 71250 Billing # 0001465
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest 10344 Grid M18
 Destination 1) RHRP0011 2) RHRP0011 3) RHRP0011
 PO 110534NY (NON-RCRA NON-DOT REGULATED SOIL)
 Generator 190-NYDECBEARIN NYSDEC REGION 8

Time Scale Operator Inbound Gross 69360 lb*
 In 02/22/2013 07:49:33 Scale1 KKINES Tare 29700 lb*
 Out 02/22/2013 07:49:33 Scale1 KKINES Net 39500 lb
 * Manual Weight Tons 19.79

Comments PROBLEM WITH PROFILE MANUAL WT

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC- 100		19.79	Tons				MDN
2 FUEL-Fuel Surcharg 100		%					MDN
3 EYF-P-Standard Env 100		%					MDN

Total Tax
Total Ticket

Driver's Signature _____



NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD002215119		Manifest Document No. 10344		2. Page 1 of 1	
3. Generator's Name and Mailing Address NYSDEC Region 8 625 Broadway, Albany, New York 12233-7014				HRP BARTHELMES MFG. 15 Carin Street Rochester, NY 14611			
4. Generator's Phone (518 402-9478)							
5. Transporter 1 Company Name M.J. Dreher Trucking		6. US EPA ID Number		A. State Transporter's ID 8A-554		B. Transporter 1 Phone 585-637-3080	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management Mill Seat Landfill 303 Brew Road Bergen, NY 14416				10. US EPA ID Number		E. State Facility's ID 8	
				F. Facility's Phone 800-843-3604			
11. WASTE DESCRIPTION						Containers	
						No. Type	
a. Non RCRA, Non DOT Regulated Solids						1 DT	
b.							
c.							
d.							
13. Total Quantity 20 Est.						14. Unit Wt./Vol. ton	
G. Additional Descriptions for Materials Listed Above				H. Handling Codes for Wastes Listed Above			
a. Job # RHRP0011				c. WM Profile #: 110534NY			
b.				d.			
a. L				c.			
b.				d.			
15. Special Handling Instructions and Additional Information In case of emergency call 1-800-225-6750. OP-TECH Environmental Services, Inc. PA-AH-0599							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name ON BEHALF OF NYSDEC Will Sabatka				Signature <i>[Signature]</i>		Date Month Day Year 2 22 13	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Date Month Day Year 2 22 13	
Printed/Typed Name Georgia Tiffany				Signature <i>[Signature]</i>		Date Month Day Year 2 22 13	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date	
Printed/Typed Name				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Bill King				Signature <i>[Signature]</i>		Date Month Day Year 2 22 13	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



Mill Seat Landfill
 303 Brew Rd.
 Bergen, NY, 14416
 Ph: (585) 494-3000

Original
 Ticket# 724324

Customer Name OPTECHEMENVIRONMENTAL-110534NY
 Ticket Date 02/22/2013
 Payment Type Credit Account
 Manual Ticket#
 Hauling Ticket#
 Route
 State Waste Code 10345
 Manifest
 Destination 1) RHRP0011 2) RHRP0011 3) RHRP0011
 PO 110534NY (NON-RCRA NON-DOT REGULATED SOIL)
 Profile 190-NYDECACARIN NYSDEC REGION 8
 Generator
 Carrier MJD M J DREHER TRUCKING, INC.
 Vehicle# 11
 Container PAUL MAY 22 2013
 Driver
 Check#
 Billing # 0001465
 Gen EPA ID NOT REQUIRED
 Grid M18

Time Scale
 In 02/22/2013 07:51:11 Scale1
 Out 02/22/2013 07:51:11
 Operator KKING5
 KKING5
 Inbound Gross 63540 lb
 Tax 29160 lb
 Net 34380 lb
 Tons 17.19

Comments

Product	LD%	QTY	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-	100	17.19	Tons				MON
2 FUEL-Fuel Surcharg	100	%					MON
3 EVF-P-Standard Env	100	%					MON

Total Tax
 Total Ticket

Driver's Signature

NON-HAZARDOUS WASTE MANIFEST

m3D11

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD002215119		Manifest Document No. 10345		2. Page 1 of 1					
3. Generator's Name and Mailing Address NYSDEC Region 8 625 Broadway, Albany, New York 12233-7014				HRP BARTHELMES MFG. 15 Carin Street Rochester, NY 14611							
4. Generator's Phone (518 402-9478)											
5. Transporter 1 Company Name M.J. Dreher Trucking		6. US EPA ID Number		A. State Transporter's ID 8A-554		B. Transporter 1 Phone 585-637-3080					
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone					
9. Designated Facility Name and Site Address Waste Management Mill Seat Landfill 303 Braw Road Bergen, NY 14416				10. US EPA ID Number							
				E. State Facility's ID							
				F. Facility's Phone 800-843-3604							
11. WASTE DESCRIPTION						Containers		13. Total Quantity	14. Unit Wt./Vol.		
						No.	Type				
a. Non RCRA, Non DOT Regulated Solids						1	DT	20 Est.	ton		
b.											
c.											
d.											
G. Additional Descriptions for Materials Listed Above						H. Handling Codes for Wastes Listed Above					
a. Job #RHRP0011						c. WM Profile #: 110534NY					
b.						a. L					
d.						c.					
b.						d.					
15. Special Handling Instructions and Additional Information In case of emergency call 1-800-225-6750. OP-TECH Environmental Services, Inc. PA-AH-0599											
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.											
Printed/Typed Name ON BEHALF OF NYSDEC				Signature <i>[Signature]</i>				Date Month Day Year 2 22 13			
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name <i>m3D11</i>				Signature <i>[Signature]</i>		Date Month Day Year 2 22 13	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name				Signature		Date Month Day Year	
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.											
Printed/Typed Name Kim King				Signature <i>[Signature]</i>				Date Month Day Year 2 22 13			

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



Mill Seat Landfill
 303 Brew Rd.
 Bergen, NY, 14416
 Ph: (585) 494-3000

Original
 Ticket# 724343

Customer Name OPTECHENVIRONMENTAL-110534NY
 Ticket Date 02/22/2013
 Payment Type Credit Account
 Manual Ticket#
 Hauling Ticket#
 Route 71250
 State Waste Code 10346
 Manifest
 Destination
 PO 1) RHRP0011 2) RHRP0011 3) RHRP0011
 Profile 110534NY (NON-RCRA NON-DOT REGULATED SOIL)
 Generator 190-NYDECSGARIN NYSDEC REGION 8

Carrier MJD M J DREHER TRUCKING, INC.
 Vehicle# 14
 Container
 Driver GEORGE SEPT 10, 2013
 Check#
 Billing # 0001455
 Gen EPA ID NOT REQUIRED

Grid M18
 Gross 74600 lb
 Tare 29780 lb
 Net 44820 lb
 Tons 22.41

Time Scale
 In 02/22/2013 08:58:03 Scale1
 Out 02/22/2013 08:58:03

Comments This vehicle was over the legal weight limit.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet--RGC--	100	22.41	Tons				MON
2 FUEL-Fuel Surcharg	100		%				MON
3 EVF-P-Standard Env	100		%				MON

Total Tax
 Total Ticket

Driver's Signature

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NY D 002215119	Manifest Document No. 10346	2. Page 1 1
3. Generator's Name and Mailing Address NYSDEC Region 8 625 Broadway, Albany, New York 12233-7014			HRP BARTHELME'S MFG. 15 Carin Street Rochester, NY 14611	
4. Generator's Phone (518 402-9478)				
5. Transporter 1 Company Name M.J. Dreher Trucking	6. US EPA ID Number	A. State Transporter's ID 6A-554	B. Transporter 1 Phone 563-637-3060	
7. Transporter 2 Company Name	8. US EPA ID Number	C. State Transporter's ID	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management Mill Seat Landfill 303 Brew Road Bergen, NY 14416			E. State Facility's ID	F. Facility's Phone 800-843-3604
10. US EPA ID Number				

11. WASTE DESCRIPTION	Containers		13. Total Quantity	14. Unit Wt./Vol.
	No.	Type		
a. Non RCRA, Non DOT Regulated Solids	1	DT	20 Est	ton
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above		H. Handling Codes for Wastes Listed Above	
a. Job #RHRP0011	c. WM Profile #: 110534NY	a. L	c.
b.	d.	b.	d.

15. Special Handling Instructions and Additional Information

In case of emergency call 1-800-225-6750. OP-TECH Environmental Services, Inc. PA-AH-0599

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name ON BEHALF OF NYSDEC Scott Tingler		Signature <i>[Signature]</i>	Date Month Day Year 2 22 13
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <i>[Signature]</i>		Signature <i>[Signature]</i>	Date Month Day Year 2 22 13
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature	Date Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name <i>[Signature]</i>	Signature <i>[Signature]</i>	Date Month Day Year 2 22 13
--	---------------------------------	--

NON-HAZARDOUS WASTE GENERATOR





Mill Seat Landfill
 303 Brew Rd
 Bergen, NY, 14416
 Ph: (585) 494-3000

Original
 Ticket# 724345

Customer Name OPTECHENVIRONMENTAL-110534NY
 Ticket Date 02/22/2013
 Payment Type Credit Account
 Manual Ticket#
 Hauling Ticket#
 Route
 State Waste Code 10347
 Manifest
 Destination 1) RHRP0011 2) RHRP0011 3) RHRP0011
 PO 110534NY (NON-RCRA NON-DOT REGULATED SOIL)
 Profile 190-NYDEC8CARIN NYSDEC REGION 9
 Generator

Carrier MJD M J DREHER TRUCKING, INC.
 Vehicle# 11
 Container
 Driver PAUL MAY 22 2013
 Check#
 Billing # 0001465
 Gen EPA ID NOT REQUIRED

Grid M18

Time	Scale	Operator	Inbound	Gross	71020 lb
In 02/22/2013 09:15:53	Scale1	KKINGS		Tare	29160 lb
Out 02/22/2013 09:15:53		KKINGS		Net	42660 lb
				Tons	21.33

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-	100	21.33	Tons				MON
2 FUEL-Fuel Surcharg	100	%					MON
3 EVF-P-Standard Env	100	%					MON

Total Tax
 Total Ticket

Driver's Signature



NON-HAZARDOUS WASTE MANIFEST

m3011

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD002215119		Manifest Document No. 10347	2. Page 1 of 1
3. Generator's Name and Mailing Address NYSDEC Region 8 625 Broadway, Albany, New York 12233-7014				HRP BARTHELME'S MFG. 15 Carin Street	
4. Generator's Phone 518 402-9478				Rochester, NY 14611	
5. Transporter 1 Company Name M.J. Dreher Trucking		6. US EPA ID Number		A. State Transporter's ID 8A-554	
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone 585-637-3080	
9. Designated Facility Name and Site Address Waste Management Mill Seat Landfill 303 Brew Road Bergen, NY 14416		10. US EPA ID Number		C. State Transporter's ID	
				D. Transporter 2 Phone	
				E. State Facility's ID	
				F. Facility's Phone 800-843-3604	
11. WASTE DESCRIPTION			Containers		13. Total Quantity
			No.	Type	14. Unit Wt./Vol.
a. Non RCRA, Non DOT Regulated Solids			1	DT	20 Est. ton
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above			H. Handling Codes for Wastes Listed Above		
a. Job #RHRP0011			c. WM Profile #: 110534NY		
b.			a. L		
			c.		
			b.		
			d.		
15. Special Handling Instructions and Additional Information In case of emergency call 1-800-225-6750. OP-TECH Environmental Services, Inc. PA-AH-0599					
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name ON BEHALF OF NYSDEC Scott Tingley				Signature <i>[Signature]</i>	
				Date Month Day Year 2 22 13	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date	
Printed/Typed Name <i>[Signature]</i>				Signature <i>[Signature]</i>	
				Date Month Day Year 2 22 13	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date	
Printed/Typed Name				Signature	
				Date Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name <i>[Signature]</i>				Signature <i>[Signature]</i>	
				Date Month Day Year 2 22 13	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



Mill Seat Landfill
 303 Brew Rd.
 Bergen, NY, 14416
 Ph: (585) 494-3000

Original
 Ticket# 724360

Customer Name OPTECHEM/IRONMENTAL-110534NY Carrier MJD M J DREHER TRUCKING, INC.
 Ticket Date 02/22/2013 Vehicle# 14 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver GEORGE SEPT 10, 2013
 Hauling Ticket# Check#
 Route 71250 Billing # 00001465
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest 10348 Grid M18
 Destination 1) RHRP0011 2) RHRP0011 3) RHRP0011
 PO 110534NY (NON-RCRA NON-DOT REGULATED SOIL)
 Profile 190-NYDECACRIN NYSDEC REGION 0

Time Scale
 In 02/22/2013 10:25:34 Scale1
 Out 02/22/2013 10:25:34

Inbound Gross 61060 lb
 Tare 29790 lb
 Net 31280 lb
 Tons 15.64

Operator
 KKINGS
 KKINGS

Comments

Product LD% Qty UOM Rate Tax Amount Origin

1 Cont Soil Pet-RSC- 100 15.64 Tons MON
 2 FUEL-Fuel Surcharg 100 % MON
 3 EVF-P-Standard Env 100 % MON

Total Tax
 Total Ticket

Driver's Signature _____

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD002215119	Manifest Document No. 10348	2. Page 1 of 1
3. Generator's Name and Mailing Address NYSDEC Region 8 625 Broadway, Albany, New York 12233-7014			HRP BARTHELMES MFG. 15 Carin Street Rochester, NY 14611	
4. Generator's Phone (518-402-9478)				
5. Transporter 1 Company Name M.J. Dreher Trucking	6. US EPA ID Number	A. State Transporter's ID 8A-554		
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter 1 Phone 585-637-3060		
9. Designated Facility Name and Site Address Waste Management Mill Seat Landfill 303 Brew Road Bergen, NY 14416		10. US EPA ID Number	C. State Transporter's ID	
			D. Transporter 2 Phone	
			E. State Facility's ID	
			F. Facility's Phone 800-843-3604	

11. WASTE DESCRIPTION	Containers		13. Total Quantity	14. Unit Wt./Vol.
	No.	Type		
a. Non RCRA, Non DOT Regulated Solids	1	DT	20 Est.	ton
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above		H. Handling Codes for Wastes Listed Above	
a. Job # RHRP0011 b. c. WM Profile #: 110534NY d.	a. L b. c. d.		

15. Special Handling Instructions and Additional Information

In case of emergency call 1-800-225-6750. OP-TECH Environmental Services, Inc. PA-AH-0599

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name ON BEHALF OF NYSDEC Scott Tingler		Signature <i>[Signature]</i>	Date Month Day Year 2 22 13
17. Transporter 1 Acknowledgement of Receipt of Materials		Date	
Printed/Typed Name George TIFFANY		Signature <i>[Signature]</i>	Date Month Day Year 2 22 13
18. Transporter 2 Acknowledgement of Receipt of Materials		Date	
Printed/Typed Name		Signature	Month Day Year
19. Discrepancy Indication Space			
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.			
Printed/Typed Name Kam King		Signature <i>[Signature]</i>	Date Month Day Year 2 22 13

NON-HAZARDOUS WASTE GENERATOR

TRANSPORTER

FACILITY



Mill Seat Landfill
 303 Brew Rd.
 Bergen, NY, 14416
 Ph: (505) 494-3000

Original
 Ticket# 724375

Customer Name: OPTECHEMIRONMENTAL-110534NY Carrier: MJD M J DREHER TRUCKING, INC.
 Ticket Date: 02/22/2013 Vehicle# 11 Volume
 Payment Type: Credit Account Container
 Manual Ticket# Driver: PAUL MAY 22 2013
 Hauling Ticket# Check# Billing # 0001465
 Route State Waste Code 10349 Gen EPA ID NOT REQUIRED
 Manifest Destination Grid M18
 PO 1) RHRP0011 2) RHRP0011 3) RHRP0011
 Profile 110534NY (NON-RCRA NON-DOT REGULATED SOIL)
 Generator 190-NYDECOCARIN NYSDEC REGION 8

Time Scale
 In 02/22/2013 10:54:43 Scale1
 Out 02/22/2013 10:54:43
 Gross 43980 lb
 Tare 29160 lb
 Net 14820 lb
 Tons 7.41

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-	100	7.41	Tons				MON
2 FUEL-Fuel Surcharg	100	%					MON
3 EVF-P-Standard Env	100	%					MON

Total Tax
 Total Ticket

Driver's Signature _____



NON-HAZARDOUS WASTE MANIFEST

11011

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD002215119		Manifest Document No. 10349	2. Page 1 of 1	
3. Generator's Name and Mailing Address NYSDEC Region 8 625 Broadway, Albany, New York 12233-7014				HRP BARTHELMES MFG. 15 Carin Street Rochester, NY 14611		
4. Generator's Phone (518-402-9479)						
5. Transporter 1 Company Name M.J. Dreher Trucking		6. US EPA ID Number		A. State Transporter's ID BA-554		
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone 585-637-3000		
9. Designated Facility Name and Site Address Waste Management Mill Seat Landfill 303 Brew Road Bergen, NY 14416		10. US EPA ID Number		C. State Transporter's ID		
				D. Transporter 2 Phone		
				E. State Facility's ID		
				F. Facility's Phone 800-843-3604		
11. WASTE DESCRIPTION			Containers		13. Total Quantity	14. Unit Wt./Vol.
			No.	Type		
a. Non RCRA, Non DOT Regulated Solids			1	DT	20 Est.	ton
b.						
c.						
d.						
G. Additional Descriptions for Materials Listed Above				H. Handling Codes for Wastes Listed Above		
a. Job #RHRP0011		c. WM Profile #: 110534NY		a. L		c.
b.		d.		b.		d.
15. Special Handling Instructions and Additional Information In case of emergency call 1-800-225-6750. OP-TECH Environmental Services, Inc. PA-AH-0599						
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.						
Printed/Typed Name ON BEHALF OF NYSDEC				Signature <i>Will Imblonca</i>		Date Month Day Year 2 22 13
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>MJ Dreher</i>		Date Month Day Year 2 22 13
Printed/Typed Name				Signature		Date Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year
Printed/Typed Name				Signature		Date Month Day Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.						
Printed/Typed Name KIM KING				Signature <i>KIM KING</i>		Date Month Day Year 2 22 13

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

APPENDIX C
Clean Backfill Analytical Results

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: 480-31949-1

Client Project/Site: Barthelmes Manufacturing

For:

HRP Associates, Inc.

1 Fairchild Square

Suite 110

Clifton Park, New York 12065

Attn: Patrick C Rodman



Authorized for release by:

1/30/2013 4:51:34 PM

John Schove

Project Manager I

john.schove@testamericainc.com

LINKS

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results through

TotalAccess

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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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Definitions/Glossary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

Qualifiers

GC/MS 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.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated 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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

General Chemistry

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.

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
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
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: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

Job ID: 480-31949-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-31949-1

Comments

No additional comments.

Receipt

The samples were received on 1/23/2013 4:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8° C.

GC/MS VOA

Method(s) 8260B: The Matrix Spike Blank recovery for batch 480-101209 was above TestAmerica's statistically developed internal laboratory QC limits for 2-Butanone. This analyte was not a requested spiking compound; therefore the recovery is being reported for advisory purposes only. All other quality control indicators, including the continuing calibration verification, were within method prescribed limits for this analyte.

No other analytical or quality issues were noted.

GC/MS Semi VOA

No analytical or quality issues were noted.

GC Semi VOA

No analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

Method(s) 3550B: The following sample was composited by the laboratory on 1/25/2013 as requested on the chain-of-custody: (480-31949-4 MS), (480-31949-4 MSD), LAB COMP 2, 3, 4 (480-31949-4).

No other analytical or quality issues were noted.

Detection Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

Client Sample ID: SS-1(A) 011813

Lab Sample ID: 480-31949-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.9	J	5.6	2.6	ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: SS-1(B) 011813

Lab Sample ID: 480-31949-2

No Detections

Client Sample ID: SS-1(C) 011813

Lab Sample ID: 480-31949-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.2	J	5.9	2.7	ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: LAB COMP 2, 3 ,4

Lab Sample ID: 480-31949-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	8130		10.6	4.7	mg/Kg	1	☼	6010B	Total/NA
Arsenic	3.4		2.1	0.43	mg/Kg	1	☼	6010B	Total/NA
Barium	46.0	B	0.53	0.12	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.35		0.21	0.030	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.13	J	0.21	0.032	mg/Kg	1	☼	6010B	Total/NA
Calcium	57400		53.1	3.5	mg/Kg	1	☼	6010B	Total/NA
Chromium	10.9		0.53	0.21	mg/Kg	1	☼	6010B	Total/NA
Cobalt	6.2		0.53	0.053	mg/Kg	1	☼	6010B	Total/NA
Copper	16.5		1.1	0.22	mg/Kg	1	☼	6010B	Total/NA
Iron	12900		10.6	1.2	mg/Kg	1	☼	6010B	Total/NA
Lead	8.7	^	1.1	0.26	mg/Kg	1	☼	6010B	Total/NA
Magnesium	26200		21.3	0.98	mg/Kg	1	☼	6010B	Total/NA
Manganese	424		0.21	0.034	mg/Kg	1	☼	6010B	Total/NA
Nickel	14.7		5.3	0.24	mg/Kg	1	☼	6010B	Total/NA
Potassium	1840		31.9	21.3	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.43	J	4.3	0.43	mg/Kg	1	☼	6010B	Total/NA
Sodium	124	J	149	13.8	mg/Kg	1	☼	6010B	Total/NA
Vanadium	16.3		0.53	0.12	mg/Kg	1	☼	6010B	Total/NA
Zinc	43.1	B	2.1	0.16	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.057		0.021	0.0085	mg/Kg	1	☼	7471A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

Client Sample ID: SS-1(A) 011813

Lab Sample ID: 480-31949-1

Date Collected: 01/18/13 14:00

Matrix: Solid

Date Received: 01/23/13 04:00

Percent Solids: 94.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.6	0.41	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,1,2,2-Tetrachloroethane	ND		5.6	0.91	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.3	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,1,2-Trichloroethane	ND		5.6	0.73	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,1-Dichloroethane	ND		5.6	0.68	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,1-Dichloroethene	ND		5.6	0.68	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,2,4-Trichlorobenzene	ND		5.6	0.34	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,2-Dibromo-3-Chloropropane	ND		5.6	2.8	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,2-Dichlorobenzene	ND		5.6	0.44	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,2-Dichloroethane	ND		5.6	0.28	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,2-Dichloropropane	ND		5.6	2.8	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,3-Dichlorobenzene	ND		5.6	0.29	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,4-Dichlorobenzene	ND		5.6	0.78	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
2-Hexanone	ND		28	2.8	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Acetone	ND		28	4.7	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Benzene	ND		5.6	0.27	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Bromoform	ND		5.6	2.8	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Bromomethane	ND		5.6	0.50	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Carbon disulfide	ND		5.6	2.8	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Carbon tetrachloride	ND		5.6	0.54	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Chlorobenzene	ND		5.6	0.74	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Dibromochloromethane	ND		5.6	0.72	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Chloroethane	ND		5.6	1.3	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Chloroform	ND		5.6	0.35	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Chloromethane	ND		5.6	0.34	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
cis-1,2-Dichloroethene	ND		5.6	0.72	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
cis-1,3-Dichloropropene	ND		5.6	0.81	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Cyclohexane	ND		5.6	0.78	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Bromodichloromethane	ND		5.6	0.75	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Dichlorodifluoromethane	ND		5.6	0.46	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Ethylbenzene	ND		5.6	0.39	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,2-Dibromoethane	ND		5.6	0.72	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Isopropylbenzene	ND		5.6	0.84	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Methyl acetate	ND		5.6	1.0	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
2-Butanone (MEK)	ND		28	2.0	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
4-Methyl-2-pentanone (MIBK)	ND		28	1.8	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Methyl tert-butyl ether	ND		5.6	0.55	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Methylcyclohexane	ND		5.6	0.85	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Methylene Chloride	2.9	J	5.6	2.6	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Styrene	ND		5.6	0.28	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Tetrachloroethene	ND		5.6	0.75	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Toluene	ND		5.6	0.42	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
trans-1,2-Dichloroethene	ND		5.6	0.58	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Trichloroethene	ND		5.6	1.2	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Trichlorofluoromethane	ND		5.6	0.53	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Vinyl chloride	ND		5.6	0.68	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Xylenes, Total	ND		11	0.94	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

Client Sample ID: SS-1(A) 011813

Lab Sample ID: 480-31949-1

Date Collected: 01/18/13 14:00

Matrix: Solid

Date Received: 01/23/13 04:00

Percent Solids: 94.1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			01/24/13 13:21	01/28/13 15:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		64 - 126				01/24/13 13:21	01/28/13 15:26	1
Toluene-d8 (Surr)	115		71 - 125				01/24/13 13:21	01/28/13 15:26	1
4-Bromofluorobenzene (Surr)	117		72 - 126				01/24/13 13:21	01/28/13 15:26	1

Client Sample ID: SS-1(B) 011813

Lab Sample ID: 480-31949-2

Date Collected: 01/18/13 14:00

Matrix: Solid

Date Received: 01/23/13 04:00

Percent Solids: 89.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.8	0.42	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,1,2,2-Tetrachloroethane	ND		5.8	0.94	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	1.3	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,1,2-Trichloroethane	ND		5.8	0.75	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,1-Dichloroethane	ND		5.8	0.71	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,1-Dichloroethene	ND		5.8	0.71	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,2,4-Trichlorobenzene	ND		5.8	0.35	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,2-Dibromo-3-Chloropropane	ND		5.8	2.9	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,2-Dichlorobenzene	ND		5.8	0.45	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,2-Dichloroethane	ND		5.8	0.29	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,2-Dichloropropane	ND		5.8	2.9	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,3-Dichlorobenzene	ND		5.8	0.30	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,4-Dichlorobenzene	ND		5.8	0.81	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
2-Hexanone	ND		29	2.9	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Acetone	ND		29	4.9	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Benzene	ND		5.8	0.28	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Bromoform	ND		5.8	2.9	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Bromomethane	ND		5.8	0.52	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Carbon disulfide	ND		5.8	2.9	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Carbon tetrachloride	ND		5.8	0.56	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Chlorobenzene	ND		5.8	0.76	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Dibromochloromethane	ND		5.8	0.74	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Chloroethane	ND		5.8	1.3	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Chloroform	ND		5.8	0.36	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Chloromethane	ND		5.8	0.35	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
cis-1,2-Dichloroethene	ND		5.8	0.74	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
cis-1,3-Dichloropropene	ND		5.8	0.83	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Cyclohexane	ND		5.8	0.81	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Bromodichloromethane	ND		5.8	0.78	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Dichlorodifluoromethane	ND		5.8	0.48	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Ethylbenzene	ND		5.8	0.40	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,2-Dibromoethane	ND		5.8	0.74	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Isopropylbenzene	ND		5.8	0.87	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Methyl acetate	ND		5.8	1.1	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
2-Butanone (MEK)	ND		29	2.1	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
4-Methyl-2-pentanone (MIBK)	ND		29	1.9	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Methyl tert-butyl ether	ND		5.8	0.57	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

Client Sample ID: SS-1(B) 011813

Lab Sample ID: 480-31949-2

Date Collected: 01/18/13 14:00

Matrix: Solid

Date Received: 01/23/13 04:00

Percent Solids: 89.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		5.8	0.88	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Methylene Chloride	ND		5.8	2.7	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Styrene	ND		5.8	0.29	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Tetrachloroethene	ND		5.8	0.78	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Toluene	ND		5.8	0.44	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
trans-1,2-Dichloroethene	ND		5.8	0.60	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
trans-1,3-Dichloropropene	ND		5.8	2.5	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Trichloroethene	ND		5.8	1.3	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Trichlorofluoromethane	ND		5.8	0.55	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Vinyl chloride	ND		5.8	0.71	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Xylenes, Total	ND		12	0.97	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			01/24/13 13:21	01/28/13 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		64 - 126	01/24/13 13:21	01/28/13 15:52	1
Toluene-d8 (Surr)	115		71 - 125	01/24/13 13:21	01/28/13 15:52	1
4-Bromofluorobenzene (Surr)	116		72 - 126	01/24/13 13:21	01/28/13 15:52	1

Client Sample ID: SS-1(C) 011813

Lab Sample ID: 480-31949-3

Date Collected: 01/18/13 14:00

Matrix: Solid

Date Received: 01/23/13 04:00

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.9	0.43	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,1,2,2-Tetrachloroethane	ND		5.9	0.95	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	1.3	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,1,2-Trichloroethane	ND		5.9	0.76	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,1-Dichloroethane	ND		5.9	0.71	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,1-Dichloroethene	ND		5.9	0.72	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,2,4-Trichlorobenzene	ND		5.9	0.36	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,2-Dibromo-3-Chloropropane	ND		5.9	2.9	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,2-Dichlorobenzene	ND		5.9	0.46	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,2-Dichloroethane	ND		5.9	0.29	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,2-Dichloropropane	ND		5.9	2.9	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,3-Dichlorobenzene	ND		5.9	0.30	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,4-Dichlorobenzene	ND		5.9	0.82	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
2-Hexanone	ND		29	2.9	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Acetone	ND		29	4.9	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Benzene	ND		5.9	0.29	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Bromoform	ND		5.9	2.9	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Bromomethane	ND		5.9	0.53	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Carbon disulfide	ND		5.9	2.9	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Carbon tetrachloride	ND		5.9	0.57	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Chlorobenzene	ND		5.9	0.77	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Dibromochloromethane	ND		5.9	0.75	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Chloroethane	ND		5.9	1.3	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Chloroform	ND		5.9	0.36	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

Client Sample ID: SS-1(C) 011813

Lab Sample ID: 480-31949-3

Date Collected: 01/18/13 14:00

Matrix: Solid

Date Received: 01/23/13 04:00

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.9	0.35	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
cis-1,2-Dichloroethene	ND		5.9	0.75	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
cis-1,3-Dichloropropene	ND		5.9	0.84	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Cyclohexane	ND		5.9	0.82	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Bromodichloromethane	ND		5.9	0.79	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Dichlorodifluoromethane	ND		5.9	0.48	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Ethylbenzene	ND		5.9	0.40	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,2-Dibromoethane	ND		5.9	0.75	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Isopropylbenzene	ND		5.9	0.88	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Methyl acetate	ND		5.9	1.1	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
2-Butanone (MEK)	ND		29	2.1	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
4-Methyl-2-pentanone (MIBK)	ND		29	1.9	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Methyl tert-butyl ether	ND		5.9	0.58	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Methylcyclohexane	ND		5.9	0.89	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Methylene Chloride	3.2	J	5.9	2.7	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Styrene	ND		5.9	0.29	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Tetrachloroethene	ND		5.9	0.79	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Toluene	ND		5.9	0.44	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
trans-1,2-Dichloroethene	ND		5.9	0.60	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
trans-1,3-Dichloropropene	ND		5.9	2.6	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Trichloroethene	ND		5.9	1.3	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Trichlorofluoromethane	ND		5.9	0.55	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Vinyl chloride	ND		5.9	0.71	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Xylenes, Total	ND		12	0.98	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			01/24/13 13:21	01/28/13 16:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		64 - 126	01/24/13 13:21	01/28/13 16:17	1
Toluene-d8 (Surr)	113		71 - 125	01/24/13 13:21	01/28/13 16:17	1
4-Bromofluorobenzene (Surr)	116		72 - 126	01/24/13 13:21	01/28/13 16:17	1

Client Sample ID: LAB COMP 2, 3, 4

Lab Sample ID: 480-31949-4

Date Collected: 01/18/13 14:00

Matrix: Solid

Date Received: 01/23/13 04:00

Percent Solids: 91.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		180	11	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
bis (2-chloroisopropyl) ether	ND		180	19	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
2,4,5-Trichlorophenol	ND		180	40	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
2,4,6-Trichlorophenol	ND		180	12	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
2,4-Dichlorophenol	ND		180	9.6	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
2,4-Dimethylphenol	ND		180	49	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
2,4-Dinitrophenol	ND		360	64	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
2,4-Dinitrotoluene	ND		180	28	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
2,6-Dinitrotoluene	ND		180	45	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
2-Chloronaphthalene	ND		180	12	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
2-Chlorophenol	ND		180	9.3	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

Client Sample ID: LAB COMP 2, 3 ,4

Lab Sample ID: 480-31949-4

Date Collected: 01/18/13 14:00

Matrix: Solid

Date Received: 01/23/13 04:00

Percent Solids: 91.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		180	2.2	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
2-Methylphenol	ND		180	5.6	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
2-Nitroaniline	ND		360	59	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
2-Nitrophenol	ND		180	8.4	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
3,3'-Dichlorobenzidine	ND		180	160	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
3-Nitroaniline	ND		360	42	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
4,6-Dinitro-2-methylphenol	ND		360	63	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
4-Bromophenyl phenyl ether	ND		180	58	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
4-Chloro-3-methylphenol	ND		180	7.5	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
4-Chloroaniline	ND		180	54	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
4-Chlorophenyl phenyl ether	ND		180	3.9	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
4-Methylphenol	ND		360	10	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
4-Nitroaniline	ND		360	20	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
4-Nitrophenol	ND		360	44	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Acenaphthene	ND		180	2.1	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Acenaphthylene	ND		180	1.5	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Acetophenone	ND		180	9.4	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Anthracene	ND		180	4.7	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Atrazine	ND		180	8.1	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Benzaldehyde	ND		180	20	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Benzo(a)anthracene	ND		180	3.2	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Benzo(a)pyrene	ND		180	4.4	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Benzo(b)fluoranthene	ND		180	3.5	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Benzo(g,h,i)perylene	ND		180	2.2	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Benzo(k)fluoranthene	ND		180	2.0	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Bis(2-chloroethoxy)methane	ND		180	9.9	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Bis(2-chloroethyl)ether	ND		180	16	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Bis(2-ethylhexyl) phthalate	ND		180	59	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Butyl benzyl phthalate	ND		180	49	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Caprolactam	ND		180	79	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Carbazole	ND		180	2.1	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Chrysene	ND		180	1.8	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Di-n-butyl phthalate	ND		180	63	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Di-n-octyl phthalate	ND		180	4.3	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Dibenz(a,h)anthracene	ND		180	2.1	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Dibenzofuran	ND		180	1.9	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Diethyl phthalate	ND		180	5.5	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Dimethyl phthalate	ND		180	4.8	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Fluoranthene	ND		180	2.6	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Fluorene	ND		180	4.2	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Hexachlorobenzene	ND		180	9.1	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Hexachlorobutadiene	ND		180	9.3	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Hexachlorocyclopentadiene	ND		180	55	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Hexachloroethane	ND		180	14	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Indeno(1,2,3-cd)pyrene	ND		180	5.1	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Isophorone	ND		180	9.1	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
N-Nitrosodi-n-propylamine	ND		180	14	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
N-Nitrosodiphenylamine	ND		180	10	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Naphthalene	ND		180	3.0	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

Client Sample ID: LAB COMP 2, 3 ,4

Lab Sample ID: 480-31949-4

Date Collected: 01/18/13 14:00

Matrix: Solid

Date Received: 01/23/13 04:00

Percent Solids: 91.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		180	8.1	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Pentachlorophenol	ND		360	63	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Phenanthrene	ND		180	3.8	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Phenol	ND		180	19	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Pyrene	ND		180	1.2	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	3500	T J	ug/Kg	☼	2.02		01/25/13 06:58	01/28/13 16:36	1
Unknown	1900	T J	ug/Kg	☼	2.17		01/25/13 06:58	01/28/13 16:36	1
Ethane, 1,1,2-trichloro-	330	T J N	ug/Kg	☼	3.12	79-0-5	01/25/13 06:58	01/28/13 16:36	1
Unknown	830	T J	ug/Kg	☼	3.85		01/25/13 06:58	01/28/13 16:36	1
Ethane, 1,1,2,2-tetrachloro-	360	T J N	ug/Kg	☼	4.89	79-34-5	01/25/13 06:58	01/28/13 16:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	94		39 - 146	01/25/13 06:58	01/28/13 16:36	1
2-Fluorobiphenyl	89		37 - 120	01/25/13 06:58	01/28/13 16:36	1
2-Fluorophenol	112		18 - 120	01/25/13 06:58	01/28/13 16:36	1
Nitrobenzene-d5	83		34 - 132	01/25/13 06:58	01/28/13 16:36	1
p-Terphenyl-d14	103		65 - 153	01/25/13 06:58	01/28/13 16:36	1
Phenol-d5	88		11 - 120	01/25/13 06:58	01/28/13 16:36	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.8	0.35	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
4,4'-DDT	ND		1.8	0.18	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
Aldrin	ND		1.8	0.44	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
alpha-BHC	ND		1.8	0.32	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
alpha-Chlordane	ND		1.8	0.89	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
beta-BHC	ND		1.8	0.19	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
delta-BHC	ND		1.8	0.24	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
Dieldrin	ND		1.8	0.43	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
Endosulfan I	ND		1.8	0.23	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
Endosulfan sulfate	ND		1.8	0.33	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
Endrin	ND		1.8	0.25	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
Endrin aldehyde	ND		1.8	0.46	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
Endrin ketone	ND		1.8	0.44	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
gamma-BHC (Lindane)	ND		1.8	1.3	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
gamma-Chlordane	ND		1.8	0.57	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
Heptachlor	ND		1.8	0.28	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
Heptachlor epoxide	ND		1.8	0.46	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
Methoxychlor	ND		1.8	0.25	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
Toxaphene	ND		18	10	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	86		62 - 137	01/25/13 07:01	01/25/13 13:58	1
DCB Decachlorobiphenyl	83		62 - 137	01/25/13 07:01	01/25/13 13:58	1
Tetrachloro-m-xylene	80		30 - 124	01/25/13 07:01	01/25/13 13:58	1
Tetrachloro-m-xylene	71		30 - 124	01/25/13 07:01	01/25/13 13:58	1

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

Client Sample ID: LAB COMP 2, 3 ,4

Lab Sample ID: 480-31949-4

Date Collected: 01/18/13 14:00

Matrix: Solid

Date Received: 01/23/13 04:00

Percent Solids: 91.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		190	37	ug/Kg	☼	01/25/13 07:03	01/28/13 13:26	1
PCB-1221	ND		190	37	ug/Kg	☼	01/25/13 07:03	01/28/13 13:26	1
PCB-1232	ND		190	37	ug/Kg	☼	01/25/13 07:03	01/28/13 13:26	1
PCB-1242	ND		190	37	ug/Kg	☼	01/25/13 07:03	01/28/13 13:26	1
PCB-1248	ND		190	37	ug/Kg	☼	01/25/13 07:03	01/28/13 13:26	1
PCB-1254	ND		190	88	ug/Kg	☼	01/25/13 07:03	01/28/13 13:26	1
PCB-1260	ND		190	88	ug/Kg	☼	01/25/13 07:03	01/28/13 13:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	150		36 - 182	01/25/13 07:03	01/28/13 13:26	1
DCB Decachlorobiphenyl	138		36 - 182	01/25/13 07:03	01/28/13 13:26	1
Tetrachloro-m-xylene	149		24 - 172	01/25/13 07:03	01/28/13 13:26	1
Tetrachloro-m-xylene	124		24 - 172	01/25/13 07:03	01/28/13 13:26	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8130		10.6	4.7	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Antimony	ND		15.9	0.43	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Arsenic	3.4		2.1	0.43	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Barium	46.0	B	0.53	0.12	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Beryllium	0.35		0.21	0.030	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Cadmium	0.13	J	0.21	0.032	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Calcium	57400		53.1	3.5	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Chromium	10.9		0.53	0.21	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Cobalt	6.2		0.53	0.053	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Copper	16.5		1.1	0.22	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Iron	12900		10.6	1.2	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Lead	8.7	^	1.1	0.26	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Magnesium	26200		21.3	0.98	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Manganese	424		0.21	0.034	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Nickel	14.7		5.3	0.24	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Potassium	1840		31.9	21.3	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Selenium	0.43	J	4.3	0.43	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Silver	ND		0.53	0.21	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Sodium	124	J	149	13.8	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Thallium	ND		6.4	0.32	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Vanadium	16.3		0.53	0.12	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Zinc	43.1	B	2.1	0.16	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.057		0.021	0.0085	mg/Kg	☼	01/24/13 10:15	01/24/13 12:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.0	0.50	mg/Kg	☼	01/25/13 19:29	01/27/13 23:39	1

Surrogate Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (64-126)	TOL (71-125)	BFB (72-126)
480-31949-1	SS-1(A) 011813	117	115	117
480-31949-2	SS-1(B) 011813	118	115	116
480-31949-3	SS-1(C) 011813	116	113	116
LCS 480-101209/4	Lab Control Sample	111	115	115
MB 480-101209/6	Method Blank	108	115	114

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (39-146)	FBP (37-120)	2FP (18-120)	NBZ (34-132)	TPH (65-153)	PHL (11-120)
480-31949-4	LAB COMP 2, 3, 4	94	89	112	83	103	88
480-31949-4 MS	LAB COMP 2, 3, 4	104	92	83	88	98	91
480-31949-4 MSD	LAB COMP 2, 3, 4	103	90	93	86	98	89
LCS 480-100991/2-A	Lab Control Sample	105	96	86	88	99	92
MB 480-100991/1-A	Method Blank	98	93	102	86	97	94

Surrogate Legend

TBP = 2,4,6-Tribromophenol

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

TPH = p-Terphenyl-d14

PHL = Phenol-d5

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCB1 (62-137)	DCB2 (62-137)	TCX1 (30-124)	TCX2 (30-124)
480-31949-4	LAB COMP 2, 3, 4	86	83	80	71
480-31949-4 MS	LAB COMP 2, 3, 4	83	84	78	75
480-31949-4 MSD	LAB COMP 2, 3, 4	89	83	83	75
LCS 480-100992/2-A	Lab Control Sample	80	80	76	73
MB 480-100992/1-A	Method Blank	80	82	78	74

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB1 (36-182)	DCB2 (36-182)	TCX1 (24-172)	TCX2 (24-172)
480-31949-4	LAB COMP 2, 3, 4	150	138	149	124
LCS 480-100993/2-A	Lab Control Sample	180	165	182 X	142
MB 480-100993/1-A	Method Blank	156	144	153	125

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

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

Lab Sample ID: MB 480-101209/6

Matrix: Solid

Analysis Batch: 101209

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		5.0	0.36	ug/Kg			01/28/13 12:44	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg			01/28/13 12:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg			01/28/13 12:44	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg			01/28/13 12:44	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg			01/28/13 12:44	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg			01/28/13 12:44	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg			01/28/13 12:44	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg			01/28/13 12:44	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg			01/28/13 12:44	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg			01/28/13 12:44	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg			01/28/13 12:44	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg			01/28/13 12:44	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg			01/28/13 12:44	1
2-Hexanone	ND		25	2.5	ug/Kg			01/28/13 12:44	1
Acetone	ND		25	4.2	ug/Kg			01/28/13 12:44	1
Benzene	ND		5.0	0.25	ug/Kg			01/28/13 12:44	1
Bromoform	ND		5.0	2.5	ug/Kg			01/28/13 12:44	1
Bromomethane	ND		5.0	0.45	ug/Kg			01/28/13 12:44	1
Carbon disulfide	ND		5.0	2.5	ug/Kg			01/28/13 12:44	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg			01/28/13 12:44	1
Chlorobenzene	ND		5.0	0.66	ug/Kg			01/28/13 12:44	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg			01/28/13 12:44	1
Chloroethane	ND		5.0	1.1	ug/Kg			01/28/13 12:44	1
Chloroform	ND		5.0	0.31	ug/Kg			01/28/13 12:44	1
Chloromethane	ND		5.0	0.30	ug/Kg			01/28/13 12:44	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg			01/28/13 12:44	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg			01/28/13 12:44	1
Cyclohexane	ND		5.0	0.70	ug/Kg			01/28/13 12:44	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg			01/28/13 12:44	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg			01/28/13 12:44	1
Ethylbenzene	ND		5.0	0.35	ug/Kg			01/28/13 12:44	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg			01/28/13 12:44	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg			01/28/13 12:44	1
Methyl acetate	ND		5.0	0.93	ug/Kg			01/28/13 12:44	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg			01/28/13 12:44	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg			01/28/13 12:44	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg			01/28/13 12:44	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg			01/28/13 12:44	1
Methylene Chloride	ND		5.0	2.3	ug/Kg			01/28/13 12:44	1
Styrene	ND		5.0	0.25	ug/Kg			01/28/13 12:44	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg			01/28/13 12:44	1
Toluene	ND		5.0	0.38	ug/Kg			01/28/13 12:44	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg			01/28/13 12:44	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			01/28/13 12:44	1
Trichloroethene	ND		5.0	1.1	ug/Kg			01/28/13 12:44	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg			01/28/13 12:44	1
Vinyl chloride	ND		5.0	0.61	ug/Kg			01/28/13 12:44	1
Xylenes, Total	ND		10	0.84	ug/Kg			01/28/13 12:44	1

TestAmerica Buffalo

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

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

Lab Sample ID: MB 480-101209/6

Matrix: Solid

Analysis Batch: 101209

Client Sample ID: Method Blank

Prep Type: Total/NA

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Tentatively Identified Compound	None		ug/Kg					01/28/13 12:44	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	108		64 - 126		01/28/13 12:44	1
Toluene-d8 (Surr)	115		71 - 125		01/28/13 12:44	1
4-Bromofluorobenzene (Surr)	114		72 - 126		01/28/13 12:44	1

Lab Sample ID: LCS 480-101209/4

Matrix: Solid

Analysis Batch: 101209

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	44.2		ug/Kg		88	59 - 125
1,2-Dichlorobenzene	50.0	48.5		ug/Kg		97	75 - 120
1,2-Dichloroethane	50.0	47.2		ug/Kg		94	77 - 122
Benzene	50.0	46.4		ug/Kg		93	79 - 127
Chlorobenzene	50.0	47.7		ug/Kg		95	76 - 124
cis-1,2-Dichloroethene	50.0	48.0		ug/Kg		96	81 - 117
Ethylbenzene	50.0	47.6		ug/Kg		95	80 - 120
Methyl tert-butyl ether	50.0	49.8		ug/Kg		100	63 - 125
Tetrachloroethene	50.0	46.7		ug/Kg		93	74 - 122
Toluene	50.0	46.5		ug/Kg		93	74 - 128
trans-1,2-Dichloroethene	50.0	47.3		ug/Kg		95	78 - 126
Trichloroethene	50.0	47.2		ug/Kg		94	77 - 129

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	111		64 - 126
Toluene-d8 (Surr)	115		71 - 125
4-Bromofluorobenzene (Surr)	115		72 - 126

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

Lab Sample ID: MB 480-100991/1-A

Matrix: Solid

Analysis Batch: 101211

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100991

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Biphenyl	ND		170	10	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
bis (2-chloroisopropyl) ether	ND		170	17	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
2,4,5-Trichlorophenol	ND		170	36	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
2,4,6-Trichlorophenol	ND		170	11	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
2,4-Dichlorophenol	ND		170	8.6	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
2,4-Dimethylphenol	ND		170	44	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
2,4-Dinitrophenol	ND		320	58	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
2,4-Dinitrotoluene	ND		170	25	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
2,6-Dinitrotoluene	ND		170	40	ug/Kg		01/25/13 06:57	01/28/13 18:10	1

TestAmerica Buffalo

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

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

Lab Sample ID: MB 480-100991/1-A

Matrix: Solid

Analysis Batch: 101211

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100991

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2-Chloronaphthalene	ND		170	11	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
2-Chlorophenol	ND		170	8.4	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
2-Methylnaphthalene	ND		170	2.0	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
2-Methylphenol	ND		170	5.1	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
2-Nitroaniline	ND		320	53	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
2-Nitrophenol	ND		170	7.5	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
3,3'-Dichlorobenzidine	ND		170	140	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
3-Nitroaniline	ND		320	38	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
4,6-Dinitro-2-methylphenol	ND		320	57	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
4-Bromophenyl phenyl ether	ND		170	52	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
4-Chloro-3-methylphenol	ND		170	6.8	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
4-Chloroaniline	ND		170	48	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
4-Chlorophenyl phenyl ether	ND		170	3.5	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
4-Methylphenol	ND		320	9.2	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
4-Nitroaniline	ND		320	18	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
4-Nitrophenol	ND		320	40	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Acenaphthene	ND		170	1.9	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Acenaphthylene	ND		170	1.3	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Acetophenone	ND		170	8.4	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Anthracene	ND		170	4.2	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Atrazine	ND		170	7.3	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Benzaldehyde	ND		170	18	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Benzo(a)anthracene	ND		170	2.8	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Benzo(a)pyrene	ND		170	4.0	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Benzo(b)fluoranthene	ND		170	3.2	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Benzo(g,h,i)perylene	ND		170	2.0	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Benzo(k)fluoranthene	ND		170	1.8	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Bis(2-chloroethoxy)methane	ND		170	9.0	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Bis(2-chloroethyl)ether	ND		170	14	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Bis(2-ethylhexyl) phthalate	ND		170	53	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Butyl benzyl phthalate	ND		170	44	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Caprolactam	ND		170	71	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Carbazole	ND		170	1.9	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Chrysene	ND		170	1.6	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Di-n-butyl phthalate	ND		170	57	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Di-n-octyl phthalate	ND		170	3.8	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Dibenz(a,h)anthracene	ND		170	1.9	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Dibenzofuran	ND		170	1.7	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Diethyl phthalate	ND		170	5.0	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Dimethyl phthalate	ND		170	4.3	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Fluoranthene	ND		170	2.4	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Fluorene	ND		170	3.8	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Hexachlorobenzene	ND		170	8.2	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Hexachlorobutadiene	ND		170	8.4	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Hexachlorocyclopentadiene	ND		170	50	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Hexachloroethane	ND		170	13	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Indeno(1,2,3-cd)pyrene	ND		170	4.6	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Isophorone	ND		170	8.2	ug/Kg		01/25/13 06:57	01/28/13 18:10	1

TestAmerica Buffalo

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

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

Lab Sample ID: MB 480-100991/1-A

Matrix: Solid

Analysis Batch: 101211

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100991

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		170	13	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
N-Nitrosodiphenylamine	ND		170	9.0	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Naphthalene	ND		170	2.7	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Nitrobenzene	ND		170	7.3	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Pentachlorophenol	ND		320	56	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Phenanthrene	ND		170	3.5	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Phenol	ND		170	17	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Pyrene	ND		170	1.1	ug/Kg		01/25/13 06:57	01/28/13 18:10	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1490	T J	ug/Kg		2.02		01/25/13 06:57	01/28/13 18:10	1
Unknown	1420	T J	ug/Kg		2.17		01/25/13 06:57	01/28/13 18:10	1
Unknown	186	T J	ug/Kg		3.13		01/25/13 06:57	01/28/13 18:10	1
Unknown	1320	T J	ug/Kg		3.86		01/25/13 06:57	01/28/13 18:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	98		39 - 146	01/25/13 06:57	01/28/13 18:10	1
2-Fluorobiphenyl	93		37 - 120	01/25/13 06:57	01/28/13 18:10	1
2-Fluorophenol	102		18 - 120	01/25/13 06:57	01/28/13 18:10	1
Nitrobenzene-d5	86		34 - 132	01/25/13 06:57	01/28/13 18:10	1
p-Terphenyl-d14	97		65 - 153	01/25/13 06:57	01/28/13 18:10	1
Phenol-d5	94		11 - 120	01/25/13 06:57	01/28/13 18:10	1

Lab Sample ID: LCS 480-100991/2-A

Matrix: Solid

Analysis Batch: 101211

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100991

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	3280	3320		ug/Kg		101	55 - 125
2-Chlorophenol	3280	2860		ug/Kg		87	38 - 120
4-Chloro-3-methylphenol	3280	3170		ug/Kg		97	49 - 125
4-Nitrophenol	3280	3230		ug/Kg		98	43 - 137
Acenaphthene	3280	3180		ug/Kg		97	53 - 120
Bis(2-ethylhexyl) phthalate	3280	3360		ug/Kg		102	61 - 133
Fluorene	3280	3270		ug/Kg		100	63 - 126
Hexachloroethane	3280	2480		ug/Kg		76	41 - 120
N-Nitrosodi-n-propylamine	3280	2820		ug/Kg		86	46 - 120
Pentachlorophenol	3280	2850		ug/Kg		87	33 - 136
Phenol	3280	3190		ug/Kg		97	36 - 120
Pyrene	3280	3370		ug/Kg		103	51 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	105		39 - 146
2-Fluorobiphenyl	96		37 - 120
2-Fluorophenol	86		18 - 120
Nitrobenzene-d5	88		34 - 132
p-Terphenyl-d14	99		65 - 153

TestAmerica Buffalo

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

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

Lab Sample ID: LCS 480-100991/2-A
Matrix: Solid
Analysis Batch: 101211

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 100991

<i>Surrogate</i>	<i>%Recovery</i>	<i>LCS Qualifier</i>	<i>Limits</i>
<i>Phenol-d5</i>	92		11 - 120

Lab Sample ID: 480-31949-4 MS
Matrix: Solid
Analysis Batch: 101211

Client Sample ID: LAB COMP 2, 3, 4
Prep Type: Total/NA
Prep Batch: 100991

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MS Result</i>	<i>MS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
2,4-Dinitrotoluene	ND		3580	3480		ug/Kg	☼	97	55 - 125
2-Chlorophenol	ND		3580	3040		ug/Kg	☼	85	38 - 120
4-Chloro-3-methylphenol	ND		3580	3450		ug/Kg	☼	97	49 - 125
4-Nitrophenol	ND		3580	3460		ug/Kg	☼	97	43 - 137
Acenaphthene	ND		3580	3330		ug/Kg	☼	93	53 - 120
Bis(2-ethylhexyl) phthalate	ND		3580	3610		ug/Kg	☼	101	61 - 133
Fluorene	ND		3580	3440		ug/Kg	☼	96	63 - 126
Hexachloroethane	ND		3580	2630		ug/Kg	☼	73	41 - 120
N-Nitrosodi-n-propylamine	ND		3580	3090		ug/Kg	☼	86	46 - 120
Pentachlorophenol	ND		3580	3090		ug/Kg	☼	86	33 - 136
Phenol	ND		3580	3430		ug/Kg	☼	96	36 - 120
Pyrene	ND		3580	3620		ug/Kg	☼	101	51 - 133

<i>Surrogate</i>	<i>%Recovery</i>	<i>MS Qualifier</i>	<i>Limits</i>
<i>2,4,6-Tribromophenol</i>	104		39 - 146
<i>2-Fluorobiphenyl</i>	92		37 - 120
<i>2-Fluorophenol</i>	83		18 - 120
<i>Nitrobenzene-d5</i>	88		34 - 132
<i>p-Terphenyl-d14</i>	98		65 - 153
<i>Phenol-d5</i>	91		11 - 120

Lab Sample ID: 480-31949-4 MSD
Matrix: Solid
Analysis Batch: 101211

Client Sample ID: LAB COMP 2, 3, 4
Prep Type: Total/NA
Prep Batch: 100991

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MSD Result</i>	<i>MSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
2,4-Dinitrotoluene	ND		3610	3420		ug/Kg	☼	95	55 - 125	2	20
2-Chlorophenol	ND		3610	3050		ug/Kg	☼	84	38 - 120	0	25
4-Chloro-3-methylphenol	ND		3610	3430		ug/Kg	☼	95	49 - 125	1	27
4-Nitrophenol	ND		3610	3410		ug/Kg	☼	94	43 - 137	2	25
Acenaphthene	ND		3610	3330		ug/Kg	☼	92	53 - 120	0	35
Bis(2-ethylhexyl) phthalate	ND		3610	3610		ug/Kg	☼	100	61 - 133	0	15
Fluorene	ND		3610	3410		ug/Kg	☼	95	63 - 126	1	15
Hexachloroethane	ND		3610	2600		ug/Kg	☼	72	41 - 120	1	46
N-Nitrosodi-n-propylamine	ND		3610	3060		ug/Kg	☼	85	46 - 120	1	31
Pentachlorophenol	ND		3610	3140		ug/Kg	☼	87	33 - 136	2	35
Phenol	ND		3610	3420		ug/Kg	☼	95	36 - 120	1	35
Pyrene	ND		3610	3630		ug/Kg	☼	100	51 - 133	0	35

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

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

Lab Sample ID: 480-31949-4 MSD

Matrix: Solid

Analysis Batch: 101211

Client Sample ID: LAB COMP 2, 3, 4

Prep Type: Total/NA

Prep Batch: 100991

Surrogate	MSD		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	103		39 - 146
2-Fluorobiphenyl	90		37 - 120
2-Fluorophenol	93		18 - 120
Nitrobenzene-d5	86		34 - 132
p-Terphenyl-d14	98		65 - 153
Phenol-d5	89		11 - 120

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-100992/1-A

Matrix: Solid

Analysis Batch: 101006

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100992

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,4'-DDD	ND		1.7	0.32	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
4,4'-DDE	ND		1.7	0.25	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
4,4'-DDT	ND		1.7	0.17	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
Aldrin	ND		1.7	0.41	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
alpha-BHC	ND		1.7	0.30	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
alpha-Chlordane	ND		1.7	0.82	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
beta-BHC	ND		1.7	0.18	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
delta-BHC	ND		1.7	0.22	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
Dieldrin	ND		1.7	0.40	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
Endosulfan I	ND		1.7	0.21	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
Endosulfan II	ND		1.7	0.30	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
Endosulfan sulfate	ND		1.7	0.31	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
Endrin	ND		1.7	0.23	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
Endrin aldehyde	ND		1.7	0.42	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
Endrin ketone	ND		1.7	0.41	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
gamma-BHC (Lindane)	ND		1.7	1.2	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
gamma-Chlordane	ND		1.7	0.53	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
Heptachlor	ND		1.7	0.26	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
Heptachlor epoxide	ND		1.7	0.43	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
Methoxychlor	ND		1.7	0.23	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
Toxaphene	ND		17	9.6	ug/Kg		01/25/13 07:01	01/25/13 13:17	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	80		62 - 137	01/25/13 07:01	01/25/13 13:17	1
DCB Decachlorobiphenyl	82		62 - 137	01/25/13 07:01	01/25/13 13:17	1
Tetrachloro-m-xylene	78		30 - 124	01/25/13 07:01	01/25/13 13:17	1
Tetrachloro-m-xylene	74		30 - 124	01/25/13 07:01	01/25/13 13:17	1

TestAmerica Buffalo

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

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

Lab Sample ID: LCS 480-100992/2-A

Matrix: Solid

Analysis Batch: 101006

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100992

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.5	16.0		ug/Kg		97	45 - 129
4,4'-DDE	16.5	14.9		ug/Kg		90	49 - 120
4,4'-DDT	16.5	14.5		ug/Kg		88	47 - 145
Aldrin	16.5	13.7		ug/Kg		83	35 - 120
alpha-BHC	16.5	13.0		ug/Kg		79	49 - 120
alpha-Chlordane	16.5	14.2		ug/Kg		86	44 - 127
beta-BHC	16.5	14.8		ug/Kg		89	58 - 123
delta-BHC	16.5	13.5		ug/Kg		82	45 - 123
Dieldrin	16.5	15.1		ug/Kg		92	53 - 128
Endosulfan I	16.5	14.0		ug/Kg		85	29 - 125
Endosulfan II	16.5	16.0		ug/Kg		97	56 - 127
Endosulfan sulfate	16.5	15.6		ug/Kg		94	53 - 135
Endrin	16.5	15.6		ug/Kg		94	58 - 129
Endrin aldehyde	16.5	15.9		ug/Kg		97	39 - 133
Endrin ketone	16.5	14.9		ug/Kg		90	61 - 133
gamma-BHC (Lindane)	16.5	13.3		ug/Kg		81	50 - 120
gamma-Chlordane	16.5	14.1		ug/Kg		86	54 - 124
Heptachlor	16.5	14.1		ug/Kg		85	49 - 122
Heptachlor epoxide	16.5	14.6		ug/Kg		88	47 - 128
Methoxychlor	16.5	17.0		ug/Kg		103	61 - 146

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	80		62 - 137
DCB Decachlorobiphenyl	80		62 - 137
Tetrachloro-m-xylene	76		30 - 124
Tetrachloro-m-xylene	73		30 - 124

Lab Sample ID: 480-31949-4 MS

Matrix: Solid

Analysis Batch: 101006

Client Sample ID: LAB COMP 2, 3, 4

Prep Type: Total/NA

Prep Batch: 100992

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		17.9	17.1		ug/Kg	*	96	53 - 124
4,4'-DDE	ND		17.9	16.5		ug/Kg	*	92	44 - 123
4,4'-DDT	ND		17.9	16.5		ug/Kg	*	92	36 - 132
Aldrin	ND		17.9	14.8		ug/Kg	*	83	35 - 120
alpha-BHC	ND		17.9	14.0		ug/Kg	*	78	35 - 114
alpha-Chlordane	ND		17.9	15.4		ug/Kg	*	86	47 - 121
beta-BHC	ND		17.9	16.1		ug/Kg	*	90	50 - 121
delta-BHC	ND		17.9	14.7		ug/Kg	*	83	45 - 123
Dieldrin	ND		17.9	16.2		ug/Kg	*	91	47 - 120
Endosulfan I	ND		17.9	15.3		ug/Kg	*	86	29 - 125
Endosulfan II	ND		17.9	16.4		ug/Kg	*	92	21 - 137
Endosulfan sulfate	ND		17.9	15.3		ug/Kg	*	86	34 - 136
Endrin	ND		17.9	16.9		ug/Kg	*	95	53 - 120
Endrin aldehyde	ND		17.9	13.5		ug/Kg	*	76	33 - 120
Endrin ketone	ND		17.9	15.4		ug/Kg	*	86	49 - 131
gamma-BHC (Lindane)	ND		17.9	14.9		ug/Kg	*	83	50 - 120

TestAmerica Buffalo

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

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

Lab Sample ID: 480-31949-4 MS

Matrix: Solid

Analysis Batch: 101006

Client Sample ID: LAB COMP 2, 3, 4

Prep Type: Total/NA

Prep Batch: 100992

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
gamma-Chlordane	ND		17.9	15.1		ug/Kg	*	85	51 - 120
Heptachlor	ND		17.9	15.2		ug/Kg	*	85	47 - 120
Heptachlor epoxide	ND		17.9	16.0		ug/Kg	*	89	44 - 122
Methoxychlor	ND		17.9	18.3		ug/Kg	*	103	53 - 143

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	83		62 - 137
DCB Decachlorobiphenyl	84		62 - 137
Tetrachloro-m-xylene	78		30 - 124
Tetrachloro-m-xylene	75		30 - 124

Lab Sample ID: 480-31949-4 MSD

Matrix: Solid

Analysis Batch: 101006

Client Sample ID: LAB COMP 2, 3, 4

Prep Type: Total/NA

Prep Batch: 100992

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
4,4'-DDD	ND		17.8	17.3		ug/Kg	*	97	53 - 124	1	21
4,4'-DDE	ND		17.8	16.2		ug/Kg	*	91	44 - 123	2	18
4,4'-DDT	ND		17.8	16.0		ug/Kg	*	90	36 - 132	3	25
Aldrin	ND		17.8	15.6		ug/Kg	*	88	35 - 120	5	12
alpha-BHC	ND		17.8	14.6		ug/Kg	*	82	35 - 114	4	15
alpha-Chlordane	ND		17.8	14.9		ug/Kg	*	84	47 - 121	4	23
beta-BHC	ND		17.8	17.1		ug/Kg	*	96	50 - 121	6	19
delta-BHC	ND		17.8	15.3		ug/Kg	*	86	45 - 123	4	14
Dieldrin	ND		17.8	16.1		ug/Kg	*	91	47 - 120	0	12
Endosulfan I	ND		17.8	15.6		ug/Kg	*	88	29 - 125	2	18
Endosulfan II	ND		17.8	16.3		ug/Kg	*	92	21 - 137	0	26
Endosulfan sulfate	ND		17.8	14.9		ug/Kg	*	84	34 - 136	3	35
Endrin	ND		17.8	17.5		ug/Kg	*	99	53 - 120	4	20
Endrin aldehyde	ND		17.8	9.26		ug/Kg	*	52	33 - 120	37	47
Endrin ketone	ND		17.8	14.8		ug/Kg	*	84	49 - 131	4	37
gamma-BHC (Lindane)	ND		17.8	14.0		ug/Kg	*	79	50 - 120	6	12
gamma-Chlordane	ND		17.8	15.4		ug/Kg	*	87	51 - 120	2	15
Heptachlor	ND		17.8	16.2		ug/Kg	*	91	47 - 120	6	22
Heptachlor epoxide	ND		17.8	15.5		ug/Kg	*	87	44 - 122	3	15
Methoxychlor	ND		17.8	19.9		ug/Kg	*	112	53 - 143	8	24

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	89		62 - 137
DCB Decachlorobiphenyl	83		62 - 137
Tetrachloro-m-xylene	83		30 - 124
Tetrachloro-m-xylene	75		30 - 124

TestAmerica Buffalo

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

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

Lab Sample ID: MB 480-100993/1-A

Matrix: Solid

Analysis Batch: 101181

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100993

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		230	45	ug/Kg		01/25/13 07:03	01/28/13 12:12	1
PCB-1221	ND		230	45	ug/Kg		01/25/13 07:03	01/28/13 12:12	1
PCB-1232	ND		230	45	ug/Kg		01/25/13 07:03	01/28/13 12:12	1
PCB-1242	ND		230	45	ug/Kg		01/25/13 07:03	01/28/13 12:12	1
PCB-1248	ND		230	45	ug/Kg		01/25/13 07:03	01/28/13 12:12	1
PCB-1254	ND		230	110	ug/Kg		01/25/13 07:03	01/28/13 12:12	1
PCB-1260	ND		230	110	ug/Kg		01/25/13 07:03	01/28/13 12:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	156		36 - 182	01/25/13 07:03	01/28/13 12:12	1
DCB Decachlorobiphenyl	144		36 - 182	01/25/13 07:03	01/28/13 12:12	1
Tetrachloro-m-xylene	153		24 - 172	01/25/13 07:03	01/28/13 12:12	1
Tetrachloro-m-xylene	125		24 - 172	01/25/13 07:03	01/28/13 12:12	1

Lab Sample ID: LCS 480-100993/2-A

Matrix: Solid

Analysis Batch: 101181

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100993

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	2350	3180		ug/Kg		136	51 - 185
PCB-1260	2350	3240		ug/Kg		138	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	180		36 - 182
DCB Decachlorobiphenyl	165		36 - 182
Tetrachloro-m-xylene	182	X	24 - 172
Tetrachloro-m-xylene	142		24 - 172

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 480-101153/1-A

Matrix: Solid

Analysis Batch: 101276

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101153

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		11.0	4.8	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Antimony	ND		16.5	0.44	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Arsenic	ND		2.2	0.44	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Barium	0.156	J	0.55	0.12	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Beryllium	ND		0.22	0.031	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Cadmium	ND		0.22	0.033	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Calcium	ND		54.8	3.6	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Chromium	ND		0.55	0.22	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Cobalt	ND		0.55	0.055	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Copper	ND		1.1	0.23	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Iron	ND		11.0	1.2	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Lead	ND		1.1	0.26	mg/Kg		01/26/13 13:00	01/28/13 13:37	1

TestAmerica Buffalo

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

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

Lab Sample ID: MB 480-101153/1-A
Matrix: Solid
Analysis Batch: 101276

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 101153

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	ND		21.9	1.0	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Manganese	ND		0.22	0.035	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Nickel	ND		5.5	0.25	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Potassium	ND		32.9	21.9	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Selenium	ND		4.4	0.44	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Silver	ND		0.55	0.22	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Sodium	ND		154	14.3	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Thallium	ND		6.6	0.33	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Vanadium	ND		0.55	0.12	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Zinc	0.263	J	2.2	0.17	mg/Kg		01/26/13 13:00	01/28/13 13:37	1

Lab Sample ID: LCDSRM 480-101153/3-A LCDSRM
Matrix: Solid
Analysis Batch: 101276

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 101153

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	8350	6320		mg/Kg		75.7	40.4 - 159.1	13	20
Antimony	92.8	78.78		mg/Kg		84.9	8.2 - 191.6	4	20
Arsenic	94.4	83.15		mg/Kg		88.1	82.2 - 117.5	14	20
Beryllium	52.5	47.35		mg/Kg		90.1	83.8 - 116.2	12	20
Cadmium	59.8	54.70		mg/Kg		91.4	84.0 - 115.9	9	20
Calcium	6150	5317		mg/Kg		86.4	82.3 - 117.5	13	20
Chromium	69.2	58.53		mg/Kg		84.5	81.4 - 118.6	13	20
Cobalt	101	95.19		mg/Kg		94.3	83.8 - 115.8	12	20
Copper	77.9	70.46		mg/Kg		90.4	83.7 - 116.2	12	20
Iron	12800	9392		mg/Kg		73.4	50.6 - 149.2	13	20
Lead	91.6	82.32		mg/Kg		89.9	82.4 - 117.8	14	20
Magnesium	3030	2502		mg/Kg		82.7	76.2 - 123.8	14	20
Manganese	283	247.8		mg/Kg		87.7	81.6 - 118.0	11	20
Nickel	56.5	53.61		mg/Kg		94.8	82.2 - 117.8	11	20
Potassium	3820	3118		mg/Kg		81.7	73.6 - 126.4	14	20
Selenium	159	137.9		mg/Kg		86.8	79.2 - 120.8	14	20
Silver	33.9	30.90		mg/Kg		91.2	66.4 - 133.9	11	20
Sodium	651	549.0		mg/Kg		84.3	73.6 - 126.2	10	20

TestAmerica Buffalo

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

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

Lab Sample ID: LCDSRM 480-101153/3-A LCDSRM
Matrix: Solid
Analysis Batch: 101276

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 101153

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	Limit
							RPD	Limit		
Thallium	119	110.5		mg/Kg		92.9	81.1 - 119.3	13	20	
Vanadium	56.2	48.43		mg/Kg		86.1	72.8 - 127.2	13	20	
Zinc	137	123.2		mg/Kg		90.0	81.0 - 119.0	13	20	

Lab Sample ID: LCDSRM 480-101153/3-A LCDSRM
Matrix: Solid
Analysis Batch: 101396

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 101153

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	Limit
							RPD	Limit		
Barium	166	147.2		mg/Kg		88.8	83.1 - 116.3	15	20	

Lab Sample ID: LCSSRM 480-101153/2-A
Matrix: Solid
Analysis Batch: 101276

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 101153

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	Limit
							RPD	Limit		
Aluminum	8330	7220		mg/Kg		86.6	40.4 - 159.1			
Antimony	92.6	82.09		mg/Kg		88.6	8.2 - 191.6			
Arsenic	94.2	95.83		mg/Kg		101.7	82.2 - 117.5			
Beryllium	52.4	53.54		mg/Kg		102.1	83.8 - 116.2			
Cadmium	59.7	59.73		mg/Kg		100.0	84.0 - 115.9			
Calcium	6140	6037		mg/Kg		98.3	82.3 - 117.5			
Chromium	69.1	66.99		mg/Kg		97.0	81.4 - 118.6			
Cobalt	101	107.8		mg/Kg		107.1	83.8 - 115.8			
Copper	77.8	79.43		mg/Kg		102.2	83.7 - 116.2			
Iron	12800	10740		mg/Kg		84.2	50.6 - 149.2			
Lead	91.4	94.63		mg/Kg		103.5	82.4 - 117.8			
Magnesium	3020	2870		mg/Kg		95.0	76.2 - 123.8			
Manganese	282	277.8		mg/Kg		98.5	81.6 - 118.0			
Nickel	56.4	59.89		mg/Kg		106.2	82.2 - 117.8			
Potassium	3810	3580		mg/Kg		94.0	73.6 - 126.4			
Selenium	158	158.2		mg/Kg		99.8	79.2 - 120.8			
Silver	33.8	34.33		mg/Kg		101.6	66.4 - 133.9			

TestAmerica Buffalo

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

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

Lab Sample ID: LCSSRM 480-101153/2-A
Matrix: Solid
Analysis Batch: 101276

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 101153

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	650	605.9		mg/Kg		93.2	73.6 - 126.2
Thallium	119	125.4		mg/Kg		105.7	81.1 - 119.3
Vanadium	56.1	55.21		mg/Kg		98.4	72.8 - 127.2
Zinc	137	140.4		mg/Kg		102.8	81.0 - 119.0

Lab Sample ID: LCSSRM 480-101153/2-A
Matrix: Solid
Analysis Batch: 101396

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 101153

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	165	170.7		mg/Kg		103.2	83.1 - 116.3

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 480-100884/1-A
Matrix: Solid
Analysis Batch: 100921

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100884

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0081	mg/Kg		01/24/13 10:15	01/24/13 11:49	1

Lab Sample ID: LCDSRM 480-100884/3-A LCDSRM
Matrix: Solid
Analysis Batch: 100921

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 100884

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	3.77	4.19		mg/Kg		111.1	50.9 - 149.1	6	30

Lab Sample ID: LCSSRM 480-100884/2-A
Matrix: Solid
Analysis Batch: 100921

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 100884

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	3.77	3.93		mg/Kg		104.4	50.9 - 149.1

Method: 9012A - Cyanide, Total and/or Amenable

Lab Sample ID: MB 480-101137/2-A
Matrix: Solid
Analysis Batch: 101163

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 101137

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.526	J	0.97	0.47	mg/Kg		01/25/13 19:29	01/27/13 23:38	1

TestAmerica Buffalo

QC Sample Results

Client: HRP Associates, Inc.
 Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

Method: 9012A - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: LCS 480-101137/1-A

Matrix: Solid

Analysis Batch: 101163

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101137

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Cyanide, Total	25.6	20.69		mg/Kg		81	29 - 122	

Lab Sample ID: 480-31949-4 MS

Matrix: Solid

Analysis Batch: 101163

Client Sample ID: LAB COMP 2, 3, 4

Prep Type: Total/NA

Prep Batch: 101137

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
Cyanide, Total	ND		10.6	10.16		mg/Kg	✱	96	85 - 115	

Lab Sample ID: 480-31949-4 DU

Matrix: Solid

Analysis Batch: 101163

Client Sample ID: LAB COMP 2, 3, 4

Prep Type: Total/NA

Prep Batch: 101137

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Cyanide, Total	ND		ND		mg/Kg	✱	NC	15

QC Association Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

GC/MS VOA

Prep Batch: 100929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-1	SS-1(A) 011813	Total/NA	Solid	5035	
480-31949-2	SS-1(B) 011813	Total/NA	Solid	5035	
480-31949-3	SS-1(C) 011813	Total/NA	Solid	5035	

Analysis Batch: 101209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-1	SS-1(A) 011813	Total/NA	Solid	8260B	100929
480-31949-2	SS-1(B) 011813	Total/NA	Solid	8260B	100929
480-31949-3	SS-1(C) 011813	Total/NA	Solid	8260B	100929
LCS 480-101209/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-101209/6	Method Blank	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 100991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3, 4	Total/NA	Solid	3550B	
480-31949-4 MS	LAB COMP 2, 3, 4	Total/NA	Solid	3550B	
480-31949-4 MSD	LAB COMP 2, 3, 4	Total/NA	Solid	3550B	
LCS 480-100991/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 480-100991/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 101211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3, 4	Total/NA	Solid	8270C	100991
480-31949-4 MS	LAB COMP 2, 3, 4	Total/NA	Solid	8270C	100991
480-31949-4 MSD	LAB COMP 2, 3, 4	Total/NA	Solid	8270C	100991
LCS 480-100991/2-A	Lab Control Sample	Total/NA	Solid	8270C	100991
MB 480-100991/1-A	Method Blank	Total/NA	Solid	8270C	100991

GC Semi VOA

Prep Batch: 100992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3, 4	Total/NA	Solid	3550B	
480-31949-4 MS	LAB COMP 2, 3, 4	Total/NA	Solid	3550B	
480-31949-4 MSD	LAB COMP 2, 3, 4	Total/NA	Solid	3550B	
LCS 480-100992/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 480-100992/1-A	Method Blank	Total/NA	Solid	3550B	

Prep Batch: 100993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3, 4	Total/NA	Solid	3550B	
LCS 480-100993/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 480-100993/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 101006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3, 4	Total/NA	Solid	8081A	100992
480-31949-4 MS	LAB COMP 2, 3, 4	Total/NA	Solid	8081A	100992

TestAmerica Buffalo

QC Association Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

GC Semi VOA (Continued)

Analysis Batch: 101006 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4 MSD	LAB COMP 2, 3 ,4	Total/NA	Solid	8081A	100992
LCS 480-100992/2-A	Lab Control Sample	Total/NA	Solid	8081A	100992
MB 480-100992/1-A	Method Blank	Total/NA	Solid	8081A	100992

Analysis Batch: 101181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3 ,4	Total/NA	Solid	8082	100993
LCS 480-100993/2-A	Lab Control Sample	Total/NA	Solid	8082	100993
MB 480-100993/1-A	Method Blank	Total/NA	Solid	8082	100993

Metals

Prep Batch: 100884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3 ,4	Total/NA	Solid	7471A	
LCDSRM 480-100884/3-A LCDS	Lab Control Sample Dup	Total/NA	Solid	7471A	
LCSSRM 480-100884/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 480-100884/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 100921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3 ,4	Total/NA	Solid	7471A	100884
LCDSRM 480-100884/3-A LCDS	Lab Control Sample Dup	Total/NA	Solid	7471A	100884
LCSSRM 480-100884/2-A	Lab Control Sample	Total/NA	Solid	7471A	100884
MB 480-100884/1-A	Method Blank	Total/NA	Solid	7471A	100884

Prep Batch: 101153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3 ,4	Total/NA	Solid	3050B	
LCDSRM 480-101153/3-A LCDS	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 480-101153/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-101153/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 101276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3 ,4	Total/NA	Solid	6010B	101153
LCDSRM 480-101153/3-A LCDS	Lab Control Sample Dup	Total/NA	Solid	6010B	101153
LCSSRM 480-101153/2-A	Lab Control Sample	Total/NA	Solid	6010B	101153
MB 480-101153/1-A	Method Blank	Total/NA	Solid	6010B	101153

Analysis Batch: 101396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCDSRM 480-101153/3-A LCDS	Lab Control Sample Dup	Total/NA	Solid	6010B	101153
LCSSRM 480-101153/2-A	Lab Control Sample	Total/NA	Solid	6010B	101153

General Chemistry

Analysis Batch: 100932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-1	SS-1(A) 011813	Total/NA	Solid	Moisture	

TestAmerica Buffalo

QC Association Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

General Chemistry (Continued)

Analysis Batch: 100932 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-2	SS-1(B) 011813	Total/NA	Solid	Moisture	
480-31949-3	SS-1(C) 011813	Total/NA	Solid	Moisture	

Prep Batch: 101137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3, 4	Total/NA	Solid	9012A	
480-31949-4 DU	LAB COMP 2, 3, 4	Total/NA	Solid	9012A	
480-31949-4 MS	LAB COMP 2, 3, 4	Total/NA	Solid	9012A	
LCS 480-101137/1-A	Lab Control Sample	Total/NA	Solid	9012A	
MB 480-101137/2-A	Method Blank	Total/NA	Solid	9012A	

Analysis Batch: 101163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3, 4	Total/NA	Solid	9012A	101137
480-31949-4 DU	LAB COMP 2, 3, 4	Total/NA	Solid	9012A	101137
480-31949-4 MS	LAB COMP 2, 3, 4	Total/NA	Solid	9012A	101137
LCS 480-101137/1-A	Lab Control Sample	Total/NA	Solid	9012A	101137
MB 480-101137/2-A	Method Blank	Total/NA	Solid	9012A	101137

Analysis Batch: 101451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3, 4	Total/NA	Solid	Moisture	

Lab Chronicle

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

Client Sample ID: SS-1(A) 011813

Lab Sample ID: 480-31949-1

Date Collected: 01/18/13 14:00

Matrix: Solid

Date Received: 01/23/13 04:00

Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			100929	01/24/13 13:21	JMB	TAL BUF
Total/NA	Analysis	8260B		1	101209	01/28/13 15:26	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	100932	01/24/13 13:26	JMB	TAL BUF

Client Sample ID: SS-1(B) 011813

Lab Sample ID: 480-31949-2

Date Collected: 01/18/13 14:00

Matrix: Solid

Date Received: 01/23/13 04:00

Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			100929	01/24/13 13:21	JMB	TAL BUF
Total/NA	Analysis	8260B		1	101209	01/28/13 15:52	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	100932	01/24/13 13:26	JMB	TAL BUF

Client Sample ID: SS-1(C) 011813

Lab Sample ID: 480-31949-3

Date Collected: 01/18/13 14:00

Matrix: Solid

Date Received: 01/23/13 04:00

Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			100929	01/24/13 13:21	JMB	TAL BUF
Total/NA	Analysis	8260B		1	101209	01/28/13 16:17	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	100932	01/24/13 13:26	JMB	TAL BUF

Client Sample ID: LAB COMP 2, 3, 4

Lab Sample ID: 480-31949-4

Date Collected: 01/18/13 14:00

Matrix: Solid

Date Received: 01/23/13 04:00

Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			100991	01/25/13 06:58	DE	TAL BUF
Total/NA	Analysis	8270C		1	101211	01/28/13 16:36	HTL	TAL BUF
Total/NA	Prep	3550B			100992	01/25/13 07:01	DE	TAL BUF
Total/NA	Analysis	8081A		1	101006	01/25/13 13:58	LW	TAL BUF
Total/NA	Prep	3550B			100993	01/25/13 07:03	CM	TAL BUF
Total/NA	Analysis	8082		1	101181	01/28/13 13:26	JM	TAL BUF
Total/NA	Prep	7471A			100884	01/24/13 10:15	JRK	TAL BUF
Total/NA	Analysis	7471A		1	100921	01/24/13 12:13	JRK	TAL BUF
Total/NA	Prep	3050B			101153	01/26/13 13:00	SS	TAL BUF
Total/NA	Analysis	6010B		1	101276	01/28/13 14:07	AH	TAL BUF
Total/NA	Prep	9012A			101137	01/25/13 19:29	LAW	TAL BUF
Total/NA	Analysis	9012A		1	101163	01/27/13 23:39	BM	TAL BUF
Total/NA	Analysis	Moisture		1	101451	01/30/13 01:25		TAL BUF

Laboratory References:

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

TestAmerica Buffalo

Certification Summary

Client: HRP Associates, Inc.
 Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAP	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13
Georgia	State Program	4	956	06-30-13
Georgia	State Program	4	956	06-30-13
Illinois	NELAP	5	200003	09-30-13
Iowa	State Program	7	374	03-01-13
Kansas	NELAP	7	E-10187	01-31-13
Kentucky	State Program	4	90029	12-31-13
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAP	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-13
Maryland	State Program	3	294	03-31-13
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13
Minnesota	NELAP	5	036-999-337	12-31-13
New Hampshire	NELAP	1	2973	09-11-13
New Hampshire	NELAP	1	2337	11-17-13
New Jersey	NELAP	2	NY455	06-30-13
New York	NELAP	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAP	10	NY200003	06-09-13
Pennsylvania	NELAP	3	68-00281	07-31-13
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAP	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-13
Washington	State Program	10	C784	02-10-13
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	08-31-13

Method Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081A	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010B	Metals (ICP)	SW846	TAL BUF
7471A	Mercury (CVAA)	SW846	TAL BUF
9012A	Cyanide, Total and/or Amenable	SW846	TAL BUF
Moisture	Percent Moisture	EPA	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: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-31949-1	SS-1(A) 011813	Solid	01/18/13 14:00	01/23/13 04:00
480-31949-2	SS-1(B) 011813	Solid	01/18/13 14:00	01/23/13 04:00
480-31949-3	SS-1(C) 011813	Solid	01/18/13 14:00	01/23/13 04:00
480-31949-4	LAB COMP 2, 3,4	Solid	01/18/13 14:00	01/23/13 04:00

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Chain of Custody Record

Client Information Client Contact: Patrick Rodman Company: HRP Associates, Inc. Address: 1 Fairchild Square Suite 110 City: Clifton Park State, Zip: NY, 12065 Phone: 518-877-7101(Tel) Email: Patrick.rodman@hrpassociates.com Project Name: Barthelmes Manufacturing Site: BMC/Scitisc LLC		Lab PM: Schove, John E-Mail: john.schove@testamericainc.com Carrier Tracking No(s): Job # NEW 9624.P2		COC No: 480-28722-7500.1 Page 1 of 1	
Due Date Requested: TAT Requested (days): 10 PO #: WAAF-00168 WO #: Project#: NEW9624.P2 Project #: 48004833 SSOW#		Analysis Requested VOC 8260 PCBs / Pesticides STAC I Clonide			
Sample Identification 55-1 011813 55-2 55-3 55-4 Lab compound 23,4 130		Sample Date 1/18/13 1/18/13 1/18/13 1/18/13		Sample Time 14:00 14:00 14:00 14:00	
Sample Type (C=Comp, G=grab) Preservation Code: Solid Matrix (Water, Solid, Other)		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> No Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> No Total Number of Containers <input checked="" type="checkbox"/> 1			
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:		Special Instructions/Note: M - Hexane N - None O - AshNaO2 P - Na2OAS Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 X - EDTA Z - other (specify)			
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Empty Kit Relinquished by: Relinquished by: [Signature] Relinquished by: [Signature] Relinquished by: [Signature]					
Custody Seals Intact: Δ Yes Δ No Custody Seal No.: 2.8 FLE #3					



Login Sample Receipt Checklist

Client: HRP Associates, Inc.

Job Number: 480-31949-1

Login Number: 31949

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl

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.	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	HRP
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

APPENDIX D

Soil 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: 480-32265-1

Client Project/Site: Barthelmes Manufacturing

For:

HRP Associates, Inc.

1 Fairchild Square

Suite 110

Clifton Park, New York 12065

Attn: Patrick C Rodman



Authorized for release by:

2/3/2013 11:04:27 PM

John Schove

Project Manager I

john.schove@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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Definitions/Glossary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

Qualifiers

GC/MS 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.
E	Result exceeded calibration range.

GC/MS VOA TICs

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.
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated 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.
F	MS or MSD exceeds the control limits
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	RPD of the MS and MSD exceeds the control limits

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
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
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: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

Job ID: 480-32265-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-32265-1

Comments

No additional comments.

Receipt

The samples were received on 1/30/2013 6:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0° C.

GC/MS VOA

Method(s) 8260B: The following sample(s) was analyzed at 0.5 grams to bring the concentration of target analytes within the calibration range: PE-2 6.5-7.5 (480-32265-2), PE-3 6.5-7.5 (480-32265-4). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The Method Blank for batch 480-101669 contained total calcium, iron, magnesium, manganese, sodium, and zinc above the method detection limits. These target analyte concentrations were less than the reporting limits (RLs); therefore, re-extraction and/or re-analysis of samples PE-1 5-6 (480-32265-1), PE-2 6.5-7.5 (480-32265-2), PE-3 6.5-7.5 (480-32265-4), West Wall PE (480-32265-3) was not performed.

Method(s) 6010B: The recovery of Post Spike, (480-32265-1 PDS), in batch 480-101669 exhibited a result outside the quality control limits for total zinc. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary.

Method(s) 6010B: The Matrix Spike/ Matrix Spike Duplicate ((480-32265-1 MS), (480-32265-1 MSD)) recoveries for total aluminum, chromium, potassium, and manganese in batch 480-101669 were outside control limits. The MSD was also outside the quality control limits for total calcium and iron. Non-homogeneity of the sample matrix is suspected. The associated Laboratory Control Sample (LCS) met acceptance criteria, therefore no corrective action was necessary.

Method(s) 6010B: The Matrix Spike / Matrix Spike Duplicate ((480-32265-1 MS), (480-32265-1 MSD)) precision for batch 480-101669 was outside control limits for total zinc. Non-homogeneity of the sample matrix is suspected. The associated Laboratory Control Sample met acceptance criteria, therefore, no corrective action was necessary.

No other analytical or quality issues were noted.

Detection Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

Client Sample ID: PE-1 5-6

Lab Sample ID: 480-32265-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.3		4.9	0.63	ug/Kg	1	☼	8260B	Total/NA
Trichloroethene	5.6		4.9	1.1	ug/Kg	1	☼	8260B	Total/NA
Aluminum	3740		11.2	4.9	mg/Kg	1	☼	6010B	Total/NA
Arsenic	2.0	J	2.2	0.45	mg/Kg	1	☼	6010B	Total/NA
Barium	37.1		0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.16	J	0.22	0.031	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.40		0.22	0.034	mg/Kg	1	☼	6010B	Total/NA
Calcium	2950	B	56.1	3.7	mg/Kg	1	☼	6010B	Total/NA
Chromium	32.0		0.56	0.22	mg/Kg	1	☼	6010B	Total/NA
Cobalt	2.7		0.56	0.056	mg/Kg	1	☼	6010B	Total/NA
Copper	15.8		1.1	0.24	mg/Kg	1	☼	6010B	Total/NA
Iron	8220	B	11.2	1.2	mg/Kg	1	☼	6010B	Total/NA
Lead	3.4		1.1	0.27	mg/Kg	1	☼	6010B	Total/NA
Magnesium	1070	B	22.4	1.0	mg/Kg	1	☼	6010B	Total/NA
Manganese	165	B	0.22	0.036	mg/Kg	1	☼	6010B	Total/NA
Nickel	6.8		5.6	0.26	mg/Kg	1	☼	6010B	Total/NA
Potassium	582		33.6	22.4	mg/Kg	1	☼	6010B	Total/NA
Sodium	116	J B	157	14.6	mg/Kg	1	☼	6010B	Total/NA
Vanadium	8.4		0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Zinc	275	B	2.2	0.17	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: PE-2 6.5-7.5

Lab Sample ID: 480-32265-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	570		57	7.3	ug/Kg	1	☼	8260B	Total/NA
Trichloroethene	170		57	13	ug/Kg	1	☼	8260B	Total/NA
Aluminum	2790		10.8	4.8	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.73	J	2.2	0.43	mg/Kg	1	☼	6010B	Total/NA
Barium	10.1		0.54	0.12	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.093	J	0.22	0.030	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.052	J	0.22	0.032	mg/Kg	1	☼	6010B	Total/NA
Calcium	22000	B	54.1	3.6	mg/Kg	1	☼	6010B	Total/NA
Chromium	4.0		0.54	0.22	mg/Kg	1	☼	6010B	Total/NA
Cobalt	3.1		0.54	0.054	mg/Kg	1	☼	6010B	Total/NA
Copper	3.8		1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Iron	6120	B	10.8	1.2	mg/Kg	1	☼	6010B	Total/NA
Lead	1.3		1.1	0.26	mg/Kg	1	☼	6010B	Total/NA
Magnesium	5780	B	21.7	1.0	mg/Kg	1	☼	6010B	Total/NA
Manganese	212	B	0.22	0.035	mg/Kg	1	☼	6010B	Total/NA
Nickel	6.5		5.4	0.25	mg/Kg	1	☼	6010B	Total/NA
Potassium	506		32.5	21.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	112	J B	152	14.1	mg/Kg	1	☼	6010B	Total/NA
Vanadium	7.2		0.54	0.12	mg/Kg	1	☼	6010B	Total/NA
Zinc	14.2	B	2.2	0.17	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: West Wall PE

Lab Sample ID: 480-32265-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.3	J	5.6	0.72	ug/Kg	1	☼	8260B	Total/NA
Trichloroethene	7.3		5.6	1.2	ug/Kg	1	☼	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

Client Sample ID: West Wall PE (Continued)

Lab Sample ID: 480-32265-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	6030		12.7	5.6	mg/Kg	1	☼	6010B	Total/NA
Arsenic	2.7		2.5	0.51	mg/Kg	1	☼	6010B	Total/NA
Barium	40.3		0.63	0.14	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.22	J	0.25	0.035	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.10	J	0.25	0.038	mg/Kg	1	☼	6010B	Total/NA
Calcium	3220	B	63.3	4.2	mg/Kg	1	☼	6010B	Total/NA
Chromium	9.5		0.63	0.25	mg/Kg	1	☼	6010B	Total/NA
Cobalt	2.6		0.63	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	6.2		1.3	0.27	mg/Kg	1	☼	6010B	Total/NA
Iron	8000	B	12.7	1.4	mg/Kg	1	☼	6010B	Total/NA
Lead	8.4		1.3	0.30	mg/Kg	1	☼	6010B	Total/NA
Magnesium	1550	B	25.3	1.2	mg/Kg	1	☼	6010B	Total/NA
Manganese	151	B	0.25	0.040	mg/Kg	1	☼	6010B	Total/NA
Nickel	5.3	J	6.3	0.29	mg/Kg	1	☼	6010B	Total/NA
Potassium	729		38.0	25.3	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.57	J	5.1	0.51	mg/Kg	1	☼	6010B	Total/NA
Sodium	156	J B	177	16.4	mg/Kg	1	☼	6010B	Total/NA
Vanadium	12.5		0.63	0.14	mg/Kg	1	☼	6010B	Total/NA
Zinc	26.6	B	2.5	0.19	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.038		0.022	0.0090	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: PE-3 6.5-7.5

Lab Sample ID: 480-32265-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	5.9		4.9	0.80	ug/Kg	1	☼	8260B	Total/NA
2-Hexanone	6.3	J	25	2.5	ug/Kg	1	☼	8260B	Total/NA
Acetone	14	J	25	4.1	ug/Kg	1	☼	8260B	Total/NA
cis-1,2-Dichloroethene	180		4.9	0.63	ug/Kg	1	☼	8260B	Total/NA
Ethylbenzene	5.1		4.9	0.34	ug/Kg	1	☼	8260B	Total/NA
Isopropylbenzene	7.0		4.9	0.74	ug/Kg	1	☼	8260B	Total/NA
Styrene	0.39	J	4.9	0.25	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene	3.6	J	4.9	0.66	ug/Kg	1	☼	8260B	Total/NA
Toluene	2.2	J	4.9	0.37	ug/Kg	1	☼	8260B	Total/NA
Trichloroethene	810	E	4.9	1.1	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	29		9.9	0.83	ug/Kg	1	☼	8260B	Total/NA
cis-1,2-Dichloroethene - DL	190		55	7.1	ug/Kg	1	☼	8260B	Total/NA
Ethylbenzene - DL	15	J	55	3.8	ug/Kg	1	☼	8260B	Total/NA
Isopropylbenzene - DL	25	J	55	8.4	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene - DL	12	J	55	7.4	ug/Kg	1	☼	8260B	Total/NA
Toluene - DL	5.2	J	55	4.2	ug/Kg	1	☼	8260B	Total/NA
Trichloroethene - DL	1900		55	12	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total - DL	85	J	110	9.3	ug/Kg	1	☼	8260B	Total/NA
Aluminum	3660		11.3	5.0	mg/Kg	1	☼	6010B	Total/NA
Arsenic	1.7	J	2.3	0.45	mg/Kg	1	☼	6010B	Total/NA
Barium	24.3		0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.12	J	0.23	0.032	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.66		0.23	0.034	mg/Kg	1	☼	6010B	Total/NA
Calcium	28600	B	56.5	3.7	mg/Kg	1	☼	6010B	Total/NA
Chromium	33.6		0.57	0.23	mg/Kg	1	☼	6010B	Total/NA
Cobalt	2.8		0.57	0.057	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

Client Sample ID: PE-3 6.5-7.5 (Continued)

Lab Sample ID: 480-32265-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Copper	57.4		1.1	0.24	mg/Kg	1		*	6010B	Total/NA
Iron	6860	B	11.3	1.2	mg/Kg	1		*	6010B	Total/NA
Lead	7.5		1.1	0.27	mg/Kg	1		*	6010B	Total/NA
Magnesium	6180	B	22.6	1.0	mg/Kg	1		*	6010B	Total/NA
Manganese	210	B	0.23	0.036	mg/Kg	1		*	6010B	Total/NA
Nickel	11.1		5.7	0.26	mg/Kg	1		*	6010B	Total/NA
Potassium	746		33.9	22.6	mg/Kg	1		*	6010B	Total/NA
Sodium	294	B	158	14.7	mg/Kg	1		*	6010B	Total/NA
Vanadium	7.5		0.57	0.12	mg/Kg	1		*	6010B	Total/NA
Zinc	227	B	2.3	0.17	mg/Kg	1		*	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

Client Sample ID: PE-1 5-6

Lab Sample ID: 480-32265-1

Date Collected: 01/28/13 14:00

Matrix: Solid

Date Received: 01/30/13 18:00

Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.9	0.36	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.80	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
1,1,2-Trichloroethane	ND		4.9	0.64	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
1,1-Dichloroethane	ND		4.9	0.60	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
1,1-Dichloroethene	ND		4.9	0.60	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
1,2,4-Trichlorobenzene	ND		4.9	0.30	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
1,2-Dibromo-3-Chloropropane	ND		4.9	2.5	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
1,2-Dichlorobenzene	ND		4.9	0.38	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
1,2-Dichloroethane	ND		4.9	0.25	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
1,2-Dichloropropane	ND		4.9	2.5	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
1,3-Dichlorobenzene	ND		4.9	0.25	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
1,4-Dichlorobenzene	ND		4.9	0.69	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
2-Hexanone	ND		25	2.5	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Acetone	ND		25	4.1	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Benzene	ND		4.9	0.24	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Bromomethane	ND		4.9	0.44	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Carbon disulfide	ND		4.9	2.5	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Carbon tetrachloride	ND		4.9	0.48	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Chlorobenzene	ND		4.9	0.65	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Dibromochloromethane	ND		4.9	0.63	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Chloroethane	ND		4.9	1.1	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Chloroform	ND		4.9	0.30	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Chloromethane	ND		4.9	0.30	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
cis-1,2-Dichloroethene	5.3		4.9	0.63	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
cis-1,3-Dichloropropene	ND		4.9	0.71	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Cyclohexane	ND		4.9	0.69	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Bromodichloromethane	ND		4.9	0.66	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Dichlorodifluoromethane	ND		4.9	0.41	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Ethylbenzene	ND		4.9	0.34	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
1,2-Dibromoethane	ND		4.9	0.63	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Isopropylbenzene	ND		4.9	0.74	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Methyl acetate	ND		4.9	0.91	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Methyl tert-butyl ether	ND		4.9	0.48	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Methylcyclohexane	ND		4.9	0.75	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Methylene Chloride	ND		4.9	2.3	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Styrene	ND		4.9	0.25	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Tetrachloroethene	ND		4.9	0.66	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Toluene	ND		4.9	0.37	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
trans-1,2-Dichloroethene	ND		4.9	0.51	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Trichloroethene	5.6		4.9	1.1	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Trichlorofluoromethane	ND		4.9	0.47	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Vinyl chloride	ND		4.9	0.60	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1
Xylenes, Total	ND		9.8	0.83	ug/Kg	☼	01/31/13 10:52	01/31/13 13:47	1

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

Client Sample ID: PE-1 5-6

Lab Sample ID: 480-32265-1

Date Collected: 01/28/13 14:00

Matrix: Solid

Date Received: 01/30/13 18:00

Percent Solids: 90.6

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			01/31/13 10:52	01/31/13 13:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		64 - 126				01/31/13 10:52	01/31/13 13:47	1
Toluene-d8 (Surr)	110		71 - 125				01/31/13 10:52	01/31/13 13:47	1
4-Bromofluorobenzene (Surr)	114		72 - 126				01/31/13 10:52	01/31/13 13:47	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3740		11.2	4.9	mg/Kg	☼	01/31/13 09:15	01/31/13 13:08	1
Antimony	ND		16.8	0.45	mg/Kg	☼	01/31/13 09:15	01/31/13 13:08	1
Arsenic	2.0	J	2.2	0.45	mg/Kg	☼	01/31/13 09:15	01/31/13 13:08	1
Barium	37.1		0.56	0.12	mg/Kg	☼	01/31/13 09:15	01/31/13 13:08	1
Beryllium	0.16	J	0.22	0.031	mg/Kg	☼	01/31/13 09:15	01/31/13 13:08	1
Cadmium	0.40		0.22	0.034	mg/Kg	☼	01/31/13 09:15	01/31/13 13:08	1
Calcium	2950	B	56.1	3.7	mg/Kg	☼	01/31/13 09:15	01/31/13 13:08	1
Chromium	32.0		0.56	0.22	mg/Kg	☼	01/31/13 09:15	01/31/13 13:08	1
Cobalt	2.7		0.56	0.056	mg/Kg	☼	01/31/13 09:15	01/31/13 13:08	1
Copper	15.8		1.1	0.24	mg/Kg	☼	01/31/13 09:15	01/31/13 13:08	1
Iron	8220	B	11.2	1.2	mg/Kg	☼	01/31/13 09:15	01/31/13 13:08	1
Lead	3.4		1.1	0.27	mg/Kg	☼	01/31/13 09:15	01/31/13 13:08	1
Magnesium	1070	B	22.4	1.0	mg/Kg	☼	01/31/13 09:15	01/31/13 13:08	1
Manganese	165	B	0.22	0.036	mg/Kg	☼	01/31/13 09:15	01/31/13 13:08	1
Nickel	6.8		5.6	0.26	mg/Kg	☼	01/31/13 09:15	01/31/13 13:08	1
Potassium	582		33.6	22.4	mg/Kg	☼	01/31/13 09:15	01/31/13 13:08	1
Selenium	ND		4.5	0.45	mg/Kg	☼	01/31/13 09:15	01/31/13 13:08	1
Silver	ND		0.56	0.22	mg/Kg	☼	01/31/13 09:15	01/31/13 13:08	1
Sodium	116	J B	157	14.6	mg/Kg	☼	01/31/13 09:15	01/31/13 13:08	1
Thallium	ND		6.7	0.34	mg/Kg	☼	01/31/13 09:15	01/31/13 13:08	1
Vanadium	8.4		0.56	0.12	mg/Kg	☼	01/31/13 09:15	01/31/13 13:08	1
Zinc	275	B	2.2	0.17	mg/Kg	☼	01/31/13 09:15	01/31/13 13:08	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.021	0.0085	mg/Kg	☼	01/31/13 09:00	01/31/13 11:56	1

Client Sample ID: PE-2 6.5-7.5

Lab Sample ID: 480-32265-2

Date Collected: 01/30/13 14:40

Matrix: Solid

Date Received: 01/30/13 18:00

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		57	4.2	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
1,1,2,2-Tetrachloroethane	ND		57	9.3	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		57	13	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
1,1,2-Trichloroethane	ND		57	7.4	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
1,1-Dichloroethane	ND		57	7.0	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
1,1-Dichloroethene	ND		57	7.0	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
1,2,4-Trichlorobenzene	ND		57	3.5	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
1,2-Dibromo-3-Chloropropane	ND		57	29	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
1,2-Dichlorobenzene	ND		57	4.5	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

Client Sample ID: PE-2 6.5-7.5

Lab Sample ID: 480-32265-2

Date Collected: 01/30/13 14:40

Matrix: Solid

Date Received: 01/30/13 18:00

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		57	2.9	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
1,2-Dichloropropane	ND		57	29	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
1,3-Dichlorobenzene	ND		57	2.9	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
1,4-Dichlorobenzene	ND		57	8.0	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
2-Hexanone	ND		290	29	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Acetone	ND		290	48	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Benzene	ND		57	2.8	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Bromoform	ND		57	29	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Bromomethane	ND		57	5.2	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Carbon disulfide	ND		57	29	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Carbon tetrachloride	ND		57	5.5	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Chlorobenzene	ND		57	7.6	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Dibromochloromethane	ND		57	7.3	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Chloroethane	ND		57	13	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Chloroform	ND		57	3.5	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Chloromethane	ND		57	3.5	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
cis-1,2-Dichloroethene	570		57	7.3	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
cis-1,3-Dichloropropene	ND		57	8.2	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Cyclohexane	ND		57	8.0	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Bromodichloromethane	ND		57	7.7	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Dichlorodifluoromethane	ND		57	4.7	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Ethylbenzene	ND		57	3.9	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
1,2-Dibromoethane	ND		57	7.3	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Isopropylbenzene	ND		57	8.6	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Methyl acetate	ND		57	11	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
2-Butanone (MEK)	ND		290	21	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
4-Methyl-2-pentanone (MIBK)	ND		290	19	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Methyl tert-butyl ether	ND		57	5.6	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Methylcyclohexane	ND		57	8.7	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Methylene Chloride	ND		57	26	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Styrene	ND		57	2.9	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Tetrachloroethene	ND		57	7.7	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Toluene	ND		57	4.3	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
trans-1,2-Dichloroethene	ND		57	5.9	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
trans-1,3-Dichloropropene	ND		57	25	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Trichloroethene	170		57	13	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Trichlorofluoromethane	ND		57	5.4	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Vinyl chloride	ND		57	7.0	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1
Xylenes, Total	ND		110	9.6	ug/Kg	☼	01/31/13 23:43	02/01/13 00:45	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			01/31/13 23:43	02/01/13 00:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		64 - 126	01/31/13 23:43	02/01/13 00:45	1
Toluene-d8 (Surr)	110		71 - 125	01/31/13 23:43	02/01/13 00:45	1
4-Bromofluorobenzene (Surr)	112		72 - 126	01/31/13 23:43	02/01/13 00:45	1

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

Client Sample ID: PE-2 6.5-7.5

Lab Sample ID: 480-32265-2

Date Collected: 01/30/13 14:40

Matrix: Solid

Date Received: 01/30/13 18:00

Percent Solids: 84.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2790		10.8	4.8	mg/Kg	☼	01/31/13 09:15	01/31/13 13:19	1
Antimony	ND		16.2	0.43	mg/Kg	☼	01/31/13 09:15	01/31/13 13:19	1
Arsenic	0.73	J	2.2	0.43	mg/Kg	☼	01/31/13 09:15	01/31/13 13:19	1
Barium	10.1		0.54	0.12	mg/Kg	☼	01/31/13 09:15	01/31/13 13:19	1
Beryllium	0.093	J	0.22	0.030	mg/Kg	☼	01/31/13 09:15	01/31/13 13:19	1
Cadmium	0.052	J	0.22	0.032	mg/Kg	☼	01/31/13 09:15	01/31/13 13:19	1
Calcium	22000	B	54.1	3.6	mg/Kg	☼	01/31/13 09:15	01/31/13 13:19	1
Chromium	4.0		0.54	0.22	mg/Kg	☼	01/31/13 09:15	01/31/13 13:19	1
Cobalt	3.1		0.54	0.054	mg/Kg	☼	01/31/13 09:15	01/31/13 13:19	1
Copper	3.8		1.1	0.23	mg/Kg	☼	01/31/13 09:15	01/31/13 13:19	1
Iron	6120	B	10.8	1.2	mg/Kg	☼	01/31/13 09:15	01/31/13 13:19	1
Lead	1.3		1.1	0.26	mg/Kg	☼	01/31/13 09:15	01/31/13 13:19	1
Magnesium	5780	B	21.7	1.0	mg/Kg	☼	01/31/13 09:15	01/31/13 13:19	1
Manganese	212	B	0.22	0.035	mg/Kg	☼	01/31/13 09:15	01/31/13 13:19	1
Nickel	6.5		5.4	0.25	mg/Kg	☼	01/31/13 09:15	01/31/13 13:19	1
Potassium	506		32.5	21.7	mg/Kg	☼	01/31/13 09:15	01/31/13 13:19	1
Selenium	ND		4.3	0.43	mg/Kg	☼	01/31/13 09:15	01/31/13 13:19	1
Silver	ND		0.54	0.22	mg/Kg	☼	01/31/13 09:15	01/31/13 13:19	1
Sodium	112	J B	152	14.1	mg/Kg	☼	01/31/13 09:15	01/31/13 13:19	1
Thallium	ND		6.5	0.32	mg/Kg	☼	01/31/13 09:15	01/31/13 13:19	1
Vanadium	7.2		0.54	0.12	mg/Kg	☼	01/31/13 09:15	01/31/13 13:19	1
Zinc	14.2	B	2.2	0.17	mg/Kg	☼	01/31/13 09:15	01/31/13 13:19	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.023	0.0094	mg/Kg	☼	01/31/13 09:00	01/31/13 12:08	1

Client Sample ID: West Wall PE

Lab Sample ID: 480-32265-3

Date Collected: 01/30/13 14:45

Matrix: Solid

Date Received: 01/30/13 18:00

Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.6	0.41	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
1,1,2,2-Tetrachloroethane	ND		5.6	0.91	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.3	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
1,1,2-Trichloroethane	ND		5.6	0.73	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
1,1-Dichloroethane	ND		5.6	0.68	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
1,1-Dichloroethene	ND		5.6	0.69	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
1,2,4-Trichlorobenzene	ND		5.6	0.34	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
1,2-Dibromo-3-Chloropropane	ND		5.6	2.8	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
1,2-Dichlorobenzene	ND		5.6	0.44	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
1,2-Dichloroethane	ND		5.6	0.28	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
1,2-Dichloropropane	ND		5.6	2.8	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
1,3-Dichlorobenzene	ND		5.6	0.29	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
1,4-Dichlorobenzene	ND		5.6	0.78	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
2-Hexanone	ND		28	2.8	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Acetone	ND		28	4.7	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Benzene	ND		5.6	0.27	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

Client Sample ID: West Wall PE

Lab Sample ID: 480-32265-3

Date Collected: 01/30/13 14:45

Matrix: Solid

Date Received: 01/30/13 18:00

Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		5.6	0.50	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Carbon disulfide	ND		5.6	2.8	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Carbon tetrachloride	ND		5.6	0.54	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Chlorobenzene	ND		5.6	0.74	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Dibromochloromethane	ND		5.6	0.72	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Chloroethane	ND		5.6	1.3	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Chloroform	ND		5.6	0.35	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Chloromethane	ND		5.6	0.34	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
cis-1,2-Dichloroethene	2.3	J	5.6	0.72	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
cis-1,3-Dichloropropene	ND		5.6	0.81	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Cyclohexane	ND		5.6	0.78	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Bromodichloromethane	ND		5.6	0.75	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Dichlorodifluoromethane	ND		5.6	0.46	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Ethylbenzene	ND		5.6	0.39	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
1,2-Dibromoethane	ND		5.6	0.72	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Isopropylbenzene	ND		5.6	0.84	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Methyl acetate	ND		5.6	1.0	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
2-Butanone (MEK)	ND		28	2.0	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
4-Methyl-2-pentanone (MIBK)	ND		28	1.8	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Methyl tert-butyl ether	ND		5.6	0.55	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Methylcyclohexane	ND		5.6	0.85	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Methylene Chloride	ND		5.6	2.6	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Styrene	ND		5.6	0.28	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Tetrachloroethene	ND		5.6	0.75	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Toluene	ND		5.6	0.42	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
trans-1,2-Dichloroethene	ND		5.6	0.58	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Trichloroethene	7.3		5.6	1.2	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Trichlorofluoromethane	ND		5.6	0.53	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Vinyl chloride	ND		5.6	0.68	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1
Xylenes, Total	ND		11	0.94	ug/Kg	☼	01/31/13 23:43	02/01/13 01:11	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Naphthalene	1.7	J B	ug/Kg	☼	12.62	91-20-3	01/31/13 23:43	02/01/13 01:11	1
Tentatively Identified Compound	None		ug/Kg	☼			01/31/13 23:43	02/01/13 01:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		64 - 126	01/31/13 23:43	02/01/13 01:11	1
Toluene-d8 (Surr)	110		71 - 125	01/31/13 23:43	02/01/13 01:11	1
4-Bromofluorobenzene (Surr)	115		72 - 126	01/31/13 23:43	02/01/13 01:11	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6030		12.7	5.6	mg/Kg	☼	01/31/13 09:15	01/31/13 13:26	1
Antimony	ND		19.0	0.51	mg/Kg	☼	01/31/13 09:15	01/31/13 13:26	1
Arsenic	2.7		2.5	0.51	mg/Kg	☼	01/31/13 09:15	01/31/13 13:26	1
Barium	40.3		0.63	0.14	mg/Kg	☼	01/31/13 09:15	01/31/13 13:26	1
Beryllium	0.22	J	0.25	0.035	mg/Kg	☼	01/31/13 09:15	01/31/13 13:26	1
Cadmium	0.10	J	0.25	0.038	mg/Kg	☼	01/31/13 09:15	01/31/13 13:26	1
Calcium	3220	B	63.3	4.2	mg/Kg	☼	01/31/13 09:15	01/31/13 13:26	1

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

Client Sample ID: West Wall PE

Lab Sample ID: 480-32265-3

Date Collected: 01/30/13 14:45

Matrix: Solid

Date Received: 01/30/13 18:00

Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	9.5		0.63	0.25	mg/Kg	☼	01/31/13 09:15	01/31/13 13:26	1
Cobalt	2.6		0.63	0.063	mg/Kg	☼	01/31/13 09:15	01/31/13 13:26	1
Copper	6.2		1.3	0.27	mg/Kg	☼	01/31/13 09:15	01/31/13 13:26	1
Iron	8000	B	12.7	1.4	mg/Kg	☼	01/31/13 09:15	01/31/13 13:26	1
Lead	8.4		1.3	0.30	mg/Kg	☼	01/31/13 09:15	01/31/13 13:26	1
Magnesium	1550	B	25.3	1.2	mg/Kg	☼	01/31/13 09:15	01/31/13 13:26	1
Manganese	151	B	0.25	0.040	mg/Kg	☼	01/31/13 09:15	01/31/13 13:26	1
Nickel	5.3	J	6.3	0.29	mg/Kg	☼	01/31/13 09:15	01/31/13 13:26	1
Potassium	729		38.0	25.3	mg/Kg	☼	01/31/13 09:15	01/31/13 13:26	1
Selenium	0.57	J	5.1	0.51	mg/Kg	☼	01/31/13 09:15	01/31/13 13:26	1
Silver	ND		0.63	0.25	mg/Kg	☼	01/31/13 09:15	01/31/13 13:26	1
Sodium	156	J B	177	16.4	mg/Kg	☼	01/31/13 09:15	01/31/13 13:26	1
Thallium	ND		7.6	0.38	mg/Kg	☼	01/31/13 09:15	01/31/13 13:26	1
Vanadium	12.5		0.63	0.14	mg/Kg	☼	01/31/13 09:15	01/31/13 13:26	1
Zinc	26.6	B	2.5	0.19	mg/Kg	☼	01/31/13 09:15	01/31/13 13:26	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038		0.022	0.0090	mg/Kg	☼	01/31/13 09:00	01/31/13 12:10	1

Client Sample ID: PE-3 6.5-7.5

Lab Sample ID: 480-32265-4

Date Collected: 01/30/13 14:53

Matrix: Solid

Date Received: 01/30/13 18:00

Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.9	0.36	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
1,1,1,2,2-Tetrachloroethane	5.9		4.9	0.80	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
1,1,2-Trichloroethane	ND		4.9	0.64	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
1,1-Dichloroethane	ND		4.9	0.60	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
1,1-Dichloroethene	ND		4.9	0.60	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
1,2,4-Trichlorobenzene	ND		4.9	0.30	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
1,2-Dibromo-3-Chloropropane	ND		4.9	2.5	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
1,2-Dichlorobenzene	ND		4.9	0.39	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
1,2-Dichloroethane	ND		4.9	0.25	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
1,2-Dichloropropane	ND		4.9	2.5	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
1,3-Dichlorobenzene	ND		4.9	0.25	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
1,4-Dichlorobenzene	ND		4.9	0.69	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
2-Hexanone	6.3	J	25	2.5	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Acetone	14	J	25	4.1	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Benzene	ND		4.9	0.24	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Bromomethane	ND		4.9	0.44	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Carbon disulfide	ND		4.9	2.5	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Carbon tetrachloride	ND		4.9	0.48	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Chlorobenzene	ND		4.9	0.65	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Dibromochloromethane	ND		4.9	0.63	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Chloroethane	ND		4.9	1.1	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Chloroform	ND		4.9	0.30	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

Client Sample ID: PE-3 6.5-7.5

Lab Sample ID: 480-32265-4

Date Collected: 01/30/13 14:53

Matrix: Solid

Date Received: 01/30/13 18:00

Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		4.9	0.30	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
cis-1,2-Dichloroethene	180		4.9	0.63	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
cis-1,3-Dichloropropene	ND		4.9	0.71	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Cyclohexane	ND		4.9	0.69	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Bromodichloromethane	ND		4.9	0.66	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Dichlorodifluoromethane	ND		4.9	0.41	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Ethylbenzene	5.1		4.9	0.34	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
1,2-Dibromoethane	ND		4.9	0.63	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Isopropylbenzene	7.0		4.9	0.74	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Methyl acetate	ND		4.9	0.92	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Methyl tert-butyl ether	ND		4.9	0.48	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Methylcyclohexane	ND		4.9	0.75	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Methylene Chloride	ND		4.9	2.3	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Styrene	0.39	J	4.9	0.25	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Tetrachloroethene	3.6	J	4.9	0.66	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Toluene	2.2	J	4.9	0.37	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
trans-1,2-Dichloroethene	ND		4.9	0.51	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Trichloroethene	810	E	4.9	1.1	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Trichlorofluoromethane	ND		4.9	0.47	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Vinyl chloride	ND		4.9	0.60	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1
Xylenes, Total	29		9.9	0.83	ug/Kg	☼	01/31/13 10:52	01/31/13 15:03	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
<i>n</i> -Butanol	400		ug/Kg	☼	5.74	71-36-3	01/31/13 10:52	01/31/13 15:03	1
<i>m</i> -Xylene & <i>p</i> -Xylene	16		ug/Kg	☼	8.59	179601-23-1	01/31/13 10:52	01/31/13 15:03	1
1,3,5-Trimethylbenzene	44		ug/Kg	☼	9.96	108-67-8	01/31/13 10:52	01/31/13 15:03	1
Decane, 4-methyl-	89	T J N	ug/Kg	☼	10.17	2847-72-5	01/31/13 10:52	01/31/13 15:03	1
1,2,4-Trimethylbenzene	130		ug/Kg	☼	10.34	95-63-6	01/31/13 10:52	01/31/13 15:03	1
1,2,3-Trimethylbenzene	75		ug/Kg	☼	10.74	526-73-8	01/31/13 10:52	01/31/13 15:03	1
Benzene, 1-methyl-3-propyl-	35	T J N	ug/Kg	☼	10.90	1074-43-7	01/31/13 10:52	01/31/13 15:03	1
Undecane	70	T J N	ug/Kg	☼	10.97	1120-21-4	01/31/13 10:52	01/31/13 15:03	1
Benzene, methyl(1-methylethyl)-	35	T J N	ug/Kg	☼	11.41	25155-15-1	01/31/13 10:52	01/31/13 15:03	1
Cyclohexane, propyl-	39	T J N	ug/Kg	☼	11.53	1678-92-8	01/31/13 10:52	01/31/13 15:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		64 - 126	01/31/13 10:52	01/31/13 15:03	1
Toluene-d8 (Surr)	107		71 - 125	01/31/13 10:52	01/31/13 15:03	1
4-Bromofluorobenzene (Surr)	110		72 - 126	01/31/13 10:52	01/31/13 15:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		55	4.0	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
1,1,2,2-Tetrachloroethane	ND		55	9.0	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		55	13	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
1,1,2-Trichloroethane	ND		55	7.2	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
1,1-Dichloroethane	ND		55	6.8	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
1,1-Dichloroethene	ND		55	6.8	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

Client Sample ID: PE-3 6.5-7.5

Lab Sample ID: 480-32265-4

Date Collected: 01/30/13 14:53

Matrix: Solid

Date Received: 01/30/13 18:00

Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		55	3.4	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
1,2-Dibromo-3-Chloropropane	ND		55	28	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
1,2-Dichlorobenzene	ND		55	4.3	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
1,2-Dichloroethane	ND		55	2.8	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
1,2-Dichloropropane	ND		55	28	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
1,3-Dichlorobenzene	ND		55	2.9	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
1,4-Dichlorobenzene	ND		55	7.8	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
2-Hexanone	ND		280	28	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Acetone	ND		280	47	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Benzene	ND		55	2.7	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Bromoform	ND		55	28	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Bromomethane	ND		55	5.0	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Carbon disulfide	ND		55	28	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Carbon tetrachloride	ND		55	5.4	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Chlorobenzene	ND		55	7.3	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Dibromochloromethane	ND		55	7.1	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Chloroethane	ND		55	13	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Chloroform	ND		55	3.4	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Chloromethane	ND		55	3.3	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
cis-1,2-Dichloroethene	190		55	7.1	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
cis-1,3-Dichloropropene	ND		55	8.0	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Cyclohexane	ND		55	7.8	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Bromodichloromethane	ND		55	7.4	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Dichlorodifluoromethane	ND		55	4.6	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Ethylbenzene	15 J		55	3.8	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
1,2-Dibromoethane	ND		55	7.1	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Isopropylbenzene	25 J		55	8.4	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Methyl acetate	ND		55	10	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
2-Butanone (MEK)	ND		280	20	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
4-Methyl-2-pentanone (MIBK)	ND		280	18	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Methyl tert-butyl ether	ND		55	5.4	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Methylcyclohexane	ND		55	8.4	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Methylene Chloride	ND		55	26	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Styrene	ND		55	2.8	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Tetrachloroethene	12 J		55	7.4	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Toluene	5.2 J		55	4.2	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
trans-1,2-Dichloroethene	ND		55	5.7	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
trans-1,3-Dichloropropene	ND		55	24	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Trichloroethene	1900		55	12	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Trichlorofluoromethane	ND		55	5.2	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Vinyl chloride	ND		55	6.8	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
Xylenes, Total	85 J		110	9.3	ug/Kg	☼	02/01/13 01:56	02/01/13 03:34	1
<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Benzene, 1-ethyl-2-methyl-</i>	<i>340</i>	<i>T J N</i>	<i>ug/Kg</i>	☼	<i>9.89</i>	<i>611-14-3</i>	<i>02/01/13 01:56</i>	<i>02/01/13 03:34</i>	<i>1</i>
<i>Benzene, 1-ethyl-2-methyl-</i>	<i>230</i>	<i>T J N</i>	<i>ug/Kg</i>	☼	<i>10.17</i>	<i>611-14-3</i>	<i>02/01/13 01:56</i>	<i>02/01/13 03:34</i>	<i>1</i>
<i>Benzene, 1-methyl-3-propyl-</i>	<i>190</i>	<i>T J N</i>	<i>ug/Kg</i>	☼	<i>10.90</i>	<i>1074-43-7</i>	<i>02/01/13 01:56</i>	<i>02/01/13 03:34</i>	<i>1</i>
<i>Benzene, 2-ethyl-1,4-dimethyl-</i>	<i>170</i>	<i>T J N</i>	<i>ug/Kg</i>	☼	<i>11.28</i>	<i>1758-88-9</i>	<i>02/01/13 01:56</i>	<i>02/01/13 03:34</i>	<i>1</i>
<i>1-Phenyl-1-butene</i>	<i>220</i>	<i>T J N</i>	<i>ug/Kg</i>	☼	<i>11.41</i>	<i>824-90-8</i>	<i>02/01/13 01:56</i>	<i>02/01/13 03:34</i>	<i>1</i>
<i>Benzene, 1,2,4,5-tetramethyl-</i>	<i>200</i>	<i>T J N</i>	<i>ug/Kg</i>	☼	<i>12.01</i>	<i>95-93-2</i>	<i>02/01/13 01:56</i>	<i>02/01/13 03:34</i>	<i>1</i>

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

Client Sample ID: PE-3 6.5-7.5

Lab Sample ID: 480-32265-4

Date Collected: 01/30/13 14:53

Matrix: Solid

Date Received: 01/30/13 18:00

Percent Solids: 88.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		64 - 126	02/01/13 01:56	02/01/13 03:34	1
Toluene-d8 (Surr)	109		71 - 125	02/01/13 01:56	02/01/13 03:34	1
4-Bromofluorobenzene (Surr)	113		72 - 126	02/01/13 01:56	02/01/13 03:34	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3660		11.3	5.0	mg/Kg	☼	01/31/13 09:15	01/31/13 13:28	1
Antimony	ND		17.0	0.45	mg/Kg	☼	01/31/13 09:15	01/31/13 13:28	1
Arsenic	1.7	J	2.3	0.45	mg/Kg	☼	01/31/13 09:15	01/31/13 13:28	1
Barium	24.3		0.57	0.12	mg/Kg	☼	01/31/13 09:15	01/31/13 13:28	1
Beryllium	0.12	J	0.23	0.032	mg/Kg	☼	01/31/13 09:15	01/31/13 13:28	1
Cadmium	0.66		0.23	0.034	mg/Kg	☼	01/31/13 09:15	01/31/13 13:28	1
Calcium	28600	B	56.5	3.7	mg/Kg	☼	01/31/13 09:15	01/31/13 13:28	1
Chromium	33.6		0.57	0.23	mg/Kg	☼	01/31/13 09:15	01/31/13 13:28	1
Cobalt	2.8		0.57	0.057	mg/Kg	☼	01/31/13 09:15	01/31/13 13:28	1
Copper	57.4		1.1	0.24	mg/Kg	☼	01/31/13 09:15	01/31/13 13:28	1
Iron	6860	B	11.3	1.2	mg/Kg	☼	01/31/13 09:15	01/31/13 13:28	1
Lead	7.5		1.1	0.27	mg/Kg	☼	01/31/13 09:15	01/31/13 13:28	1
Magnesium	6180	B	22.6	1.0	mg/Kg	☼	01/31/13 09:15	01/31/13 13:28	1
Manganese	210	B	0.23	0.036	mg/Kg	☼	01/31/13 09:15	01/31/13 13:28	1
Nickel	11.1		5.7	0.26	mg/Kg	☼	01/31/13 09:15	01/31/13 13:28	1
Potassium	746		33.9	22.6	mg/Kg	☼	01/31/13 09:15	01/31/13 13:28	1
Selenium	ND		4.5	0.45	mg/Kg	☼	01/31/13 09:15	01/31/13 13:28	1
Silver	ND		0.57	0.23	mg/Kg	☼	01/31/13 09:15	01/31/13 13:28	1
Sodium	294	B	158	14.7	mg/Kg	☼	01/31/13 09:15	01/31/13 13:28	1
Thallium	ND		6.8	0.34	mg/Kg	☼	01/31/13 09:15	01/31/13 13:28	1
Vanadium	7.5		0.57	0.12	mg/Kg	☼	01/31/13 09:15	01/31/13 13:28	1
Zinc	227	B	2.3	0.17	mg/Kg	☼	01/31/13 09:15	01/31/13 13:28	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.022	0.0089	mg/Kg	☼	01/31/13 09:00	01/31/13 12:12	1

Surrogate Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	12DCE	TOL	BFB
		(64-126)	(71-125)	(72-126)
480-32265-1	PE-1 5-6	117	110	114
480-32265-2	PE-2 6.5-7.5	109	110	112
480-32265-3	West Wall PE	118	110	115
480-32265-4	PE-3 6.5-7.5	113	107	110
480-32265-4 - DL	PE-3 6.5-7.5	110	109	113
LCS 480-101666/5	Lab Control Sample	113	109	114
LCS 480-101784/4	Lab Control Sample	112	109	113
MB 480-101666/6	Method Blank	98	112	111
MB 480-101784/5	Method Blank	109	108	112

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

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

Lab Sample ID: MB 480-101666/6

Matrix: Solid

Analysis Batch: 101666

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		5.0	0.36	ug/Kg			01/31/13 11:52	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg			01/31/13 11:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg			01/31/13 11:52	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg			01/31/13 11:52	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg			01/31/13 11:52	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg			01/31/13 11:52	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg			01/31/13 11:52	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg			01/31/13 11:52	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg			01/31/13 11:52	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg			01/31/13 11:52	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg			01/31/13 11:52	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg			01/31/13 11:52	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg			01/31/13 11:52	1
2-Hexanone	ND		25	2.5	ug/Kg			01/31/13 11:52	1
Acetone	ND		25	4.2	ug/Kg			01/31/13 11:52	1
Benzene	ND		5.0	0.25	ug/Kg			01/31/13 11:52	1
Bromoform	ND		5.0	2.5	ug/Kg			01/31/13 11:52	1
Bromomethane	ND		5.0	0.45	ug/Kg			01/31/13 11:52	1
Carbon disulfide	ND		5.0	2.5	ug/Kg			01/31/13 11:52	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg			01/31/13 11:52	1
Chlorobenzene	ND		5.0	0.66	ug/Kg			01/31/13 11:52	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg			01/31/13 11:52	1
Chloroethane	ND		5.0	1.1	ug/Kg			01/31/13 11:52	1
Chloroform	ND		5.0	0.31	ug/Kg			01/31/13 11:52	1
Chloromethane	ND		5.0	0.30	ug/Kg			01/31/13 11:52	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg			01/31/13 11:52	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg			01/31/13 11:52	1
Cyclohexane	ND		5.0	0.70	ug/Kg			01/31/13 11:52	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg			01/31/13 11:52	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg			01/31/13 11:52	1
Ethylbenzene	ND		5.0	0.35	ug/Kg			01/31/13 11:52	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg			01/31/13 11:52	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg			01/31/13 11:52	1
Methyl acetate	ND		5.0	0.93	ug/Kg			01/31/13 11:52	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg			01/31/13 11:52	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg			01/31/13 11:52	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg			01/31/13 11:52	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg			01/31/13 11:52	1
Methylene Chloride	ND		5.0	2.3	ug/Kg			01/31/13 11:52	1
Styrene	ND		5.0	0.25	ug/Kg			01/31/13 11:52	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg			01/31/13 11:52	1
Toluene	ND		5.0	0.38	ug/Kg			01/31/13 11:52	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg			01/31/13 11:52	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			01/31/13 11:52	1
Trichloroethene	ND		5.0	1.1	ug/Kg			01/31/13 11:52	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg			01/31/13 11:52	1
Vinyl chloride	ND		5.0	0.61	ug/Kg			01/31/13 11:52	1
Xylenes, Total	ND		10	0.84	ug/Kg			01/31/13 11:52	1

TestAmerica Buffalo

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

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

Lab Sample ID: MB 480-101666/6

Matrix: Solid

Analysis Batch: 101666

Client Sample ID: Method Blank

Prep Type: Total/NA

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg					01/31/13 11:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		64 - 126		01/31/13 11:52	1
Toluene-d8 (Surr)	112		71 - 125		01/31/13 11:52	1
4-Bromofluorobenzene (Surr)	111		72 - 126		01/31/13 11:52	1

Lab Sample ID: LCS 480-101666/5

Matrix: Solid

Analysis Batch: 101666

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	46.7		ug/Kg		93	73 - 126
1,1-Dichloroethene	50.0	46.4		ug/Kg		93	59 - 125
1,2-Dichlorobenzene	50.0	45.6		ug/Kg		91	75 - 120
1,2-Dichloroethane	50.0	49.1		ug/Kg		98	77 - 122
Benzene	50.0	46.9		ug/Kg		94	79 - 127
Chlorobenzene	50.0	45.7		ug/Kg		91	76 - 124
cis-1,2-Dichloroethene	50.0	47.6		ug/Kg		95	81 - 117
Ethylbenzene	50.0	44.9		ug/Kg		90	80 - 120
Methyl tert-butyl ether	50.0	52.9		ug/Kg		106	63 - 125
Tetrachloroethene	50.0	43.4		ug/Kg		87	74 - 122
Toluene	50.0	44.2		ug/Kg		88	74 - 128
trans-1,2-Dichloroethene	50.0	48.0		ug/Kg		96	78 - 126
Trichloroethene	50.0	47.0		ug/Kg		94	77 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	113		64 - 126
Toluene-d8 (Surr)	109		71 - 125
4-Bromofluorobenzene (Surr)	114		72 - 126

Lab Sample ID: MB 480-101784/5

Matrix: Solid

Analysis Batch: 101784

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		5.0	0.36	ug/Kg			01/31/13 23:45	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg			01/31/13 23:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg			01/31/13 23:45	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg			01/31/13 23:45	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg			01/31/13 23:45	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg			01/31/13 23:45	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg			01/31/13 23:45	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg			01/31/13 23:45	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg			01/31/13 23:45	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg			01/31/13 23:45	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg			01/31/13 23:45	1

TestAmerica Buffalo

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

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

Lab Sample ID: MB 480-101784/5

Matrix: Solid

Analysis Batch: 101784

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg			01/31/13 23:45	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg			01/31/13 23:45	1
2-Hexanone	ND		25	2.5	ug/Kg			01/31/13 23:45	1
Acetone	ND		25	4.2	ug/Kg			01/31/13 23:45	1
Benzene	ND		5.0	0.25	ug/Kg			01/31/13 23:45	1
Bromoform	ND		5.0	2.5	ug/Kg			01/31/13 23:45	1
Bromomethane	ND		5.0	0.45	ug/Kg			01/31/13 23:45	1
Carbon disulfide	ND		5.0	2.5	ug/Kg			01/31/13 23:45	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg			01/31/13 23:45	1
Chlorobenzene	ND		5.0	0.66	ug/Kg			01/31/13 23:45	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg			01/31/13 23:45	1
Chloroethane	ND		5.0	1.1	ug/Kg			01/31/13 23:45	1
Chloroform	ND		5.0	0.31	ug/Kg			01/31/13 23:45	1
Chloromethane	ND		5.0	0.30	ug/Kg			01/31/13 23:45	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg			01/31/13 23:45	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg			01/31/13 23:45	1
Cyclohexane	ND		5.0	0.70	ug/Kg			01/31/13 23:45	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg			01/31/13 23:45	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg			01/31/13 23:45	1
Ethylbenzene	ND		5.0	0.35	ug/Kg			01/31/13 23:45	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg			01/31/13 23:45	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg			01/31/13 23:45	1
Methyl acetate	ND		5.0	0.93	ug/Kg			01/31/13 23:45	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg			01/31/13 23:45	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg			01/31/13 23:45	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg			01/31/13 23:45	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg			01/31/13 23:45	1
Methylene Chloride	ND		5.0	2.3	ug/Kg			01/31/13 23:45	1
Styrene	ND		5.0	0.25	ug/Kg			01/31/13 23:45	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg			01/31/13 23:45	1
Toluene	ND		5.0	0.38	ug/Kg			01/31/13 23:45	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg			01/31/13 23:45	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			01/31/13 23:45	1
Trichloroethene	ND		5.0	1.1	ug/Kg			01/31/13 23:45	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg			01/31/13 23:45	1
Vinyl chloride	ND		5.0	0.61	ug/Kg			01/31/13 23:45	1
Xylenes, Total	ND		10	0.84	ug/Kg			01/31/13 23:45	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Naphthalene	2.03	J	ug/Kg		12.62	91-20-3		01/31/13 23:45	1
Tentatively Identified Compound	None		ug/Kg					01/31/13 23:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		64 - 126		01/31/13 23:45	1
Toluene-d8 (Surr)	108		71 - 125		01/31/13 23:45	1
4-Bromofluorobenzene (Surr)	112		72 - 126		01/31/13 23:45	1

TestAmerica Buffalo

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

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

Lab Sample ID: LCS 480-101784/4

Matrix: Solid

Analysis Batch: 101784

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	47.3		ug/Kg		95	73 - 126
1,1-Dichloroethene	50.0	45.8		ug/Kg		92	59 - 125
1,2-Dichlorobenzene	50.0	44.9		ug/Kg		90	75 - 120
1,2-Dichloroethane	50.0	49.0		ug/Kg		98	77 - 122
Benzene	50.0	48.2		ug/Kg		96	79 - 127
Chlorobenzene	50.0	45.7		ug/Kg		91	76 - 124
cis-1,2-Dichloroethene	50.0	49.1		ug/Kg		98	81 - 117
Ethylbenzene	50.0	45.3		ug/Kg		91	80 - 120
Methyl tert-butyl ether	50.0	52.0		ug/Kg		104	63 - 125
Tetrachloroethene	50.0	45.1		ug/Kg		90	74 - 122
Toluene	50.0	44.6		ug/Kg		89	74 - 128
trans-1,2-Dichloroethene	50.0	49.2		ug/Kg		98	78 - 126
Trichloroethene	50.0	48.4		ug/Kg		97	77 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	112		64 - 126
Toluene-d8 (Surr)	109		71 - 125
4-Bromofluorobenzene (Surr)	113		72 - 126

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 480-101669/1-A

Matrix: Solid

Analysis Batch: 101833

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101669

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Aluminum	ND		9.9	4.4	mg/Kg		01/31/13 09:15	01/31/13 13:03		1
Antimony	ND		14.9	0.40	mg/Kg		01/31/13 09:15	01/31/13 13:03		1
Arsenic	ND		2.0	0.40	mg/Kg		01/31/13 09:15	01/31/13 13:03		1
Barium	ND		0.50	0.11	mg/Kg		01/31/13 09:15	01/31/13 13:03		1
Beryllium	ND		0.20	0.028	mg/Kg		01/31/13 09:15	01/31/13 13:03		1
Cadmium	ND		0.20	0.030	mg/Kg		01/31/13 09:15	01/31/13 13:03		1
Calcium	5.23	J	49.7	3.3	mg/Kg		01/31/13 09:15	01/31/13 13:03		1
Chromium	ND		0.50	0.20	mg/Kg		01/31/13 09:15	01/31/13 13:03		1
Cobalt	ND		0.50	0.050	mg/Kg		01/31/13 09:15	01/31/13 13:03		1
Copper	ND		0.99	0.21	mg/Kg		01/31/13 09:15	01/31/13 13:03		1
Iron	3.20	J	9.9	1.1	mg/Kg		01/31/13 09:15	01/31/13 13:03		1
Lead	ND		0.99	0.24	mg/Kg		01/31/13 09:15	01/31/13 13:03		1
Magnesium	1.00	J	19.9	0.92	mg/Kg		01/31/13 09:15	01/31/13 13:03		1
Manganese	0.126	J	0.20	0.032	mg/Kg		01/31/13 09:15	01/31/13 13:03		1
Nickel	ND		5.0	0.23	mg/Kg		01/31/13 09:15	01/31/13 13:03		1
Potassium	ND		29.8	19.9	mg/Kg		01/31/13 09:15	01/31/13 13:03		1
Selenium	ND		4.0	0.40	mg/Kg		01/31/13 09:15	01/31/13 13:03		1
Silver	ND		0.50	0.20	mg/Kg		01/31/13 09:15	01/31/13 13:03		1
Sodium	26.30	J	139	12.9	mg/Kg		01/31/13 09:15	01/31/13 13:03		1
Thallium	ND		6.0	0.30	mg/Kg		01/31/13 09:15	01/31/13 13:03		1
Vanadium	ND		0.50	0.11	mg/Kg		01/31/13 09:15	01/31/13 13:03		1

TestAmerica Buffalo

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

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

Lab Sample ID: MB 480-101669/1-A
Matrix: Solid
Analysis Batch: 101833

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 101669

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.195	J	2.0	0.15	mg/Kg		01/31/13 09:15	01/31/13 13:03	1

Lab Sample ID: LCSSRM 480-101669/2-A
Matrix: Solid
Analysis Batch: 101833

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 101669

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8360	6764		mg/Kg		80.9	40.4 - 159.1
Antimony	92.9	77.12		mg/Kg		83.0	8.2 - 191.6
Arsenic	94.5	93.38		mg/Kg		98.9	82.2 - 117.5
Barium	166	149.6		mg/Kg		90.2	83.1 - 116.3
Beryllium	52.6	51.58		mg/Kg		98.1	83.8 - 116.2
Cadmium	59.9	58.73		mg/Kg		98.1	84.0 - 115.9
Calcium	6160	5660		mg/Kg		91.9	82.3 - 117.5
Chromium	69.3	70.85		mg/Kg		102.3	81.4 - 118.6
Cobalt	101	103.4		mg/Kg		102.4	83.8 - 115.8
Copper	78.0	78.75		mg/Kg		101.0	83.7 - 116.2
Iron	12800	10150		mg/Kg		79.3	50.6 - 149.2
Lead	91.7	91.43		mg/Kg		99.7	82.4 - 117.8
Magnesium	3030	2776		mg/Kg		91.7	76.2 - 123.8
Manganese	283	269.9		mg/Kg		95.4	81.6 - 118.0
Nickel	56.6	58.36		mg/Kg		103.2	82.2 - 117.8
Potassium	3820	3396		mg/Kg		88.9	73.6 - 126.4
Selenium	159	155.4		mg/Kg		97.8	79.2 - 120.8
Silver	33.9	34.55		mg/Kg		101.9	66.4 - 133.9
Sodium	652	633.3		mg/Kg		97.2	73.6 - 126.2
Thallium	119	119.1		mg/Kg		100.1	81.1 - 119.3
Vanadium	56.3	52.29		mg/Kg		92.9	72.8 - 127.2
Zinc	137	138.6		mg/Kg		101.2	81.0 - 119.0

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

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

Lab Sample ID: 480-32265-1 MS

Matrix: Solid

Analysis Batch: 101833

Client Sample ID: PE-1 5-6

Prep Type: Total/NA

Prep Batch: 101669

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Aluminum	3740		2330	8310	F	mg/Kg	☼	196		75 - 125
Antimony	ND		46.7	41.49		mg/Kg	☼	89		75 - 125
Arsenic	2.0	J	46.7	47.97		mg/Kg	☼	98		75 - 125
Barium	37.1		46.7	77.83		mg/Kg	☼	87		75 - 125
Beryllium	0.16	J	46.7	46.70		mg/Kg	☼	100		75 - 125
Cadmium	0.40		46.7	46.01		mg/Kg	☼	98		75 - 125
Calcium	2950	B	2330	4706		mg/Kg	☼	75		75 - 125
Chromium	32.0		46.7	66.10	F	mg/Kg	☼	73		75 - 125
Cobalt	2.7		46.7	51.20		mg/Kg	☼	104		75 - 125
Copper	15.8		46.7	56.32		mg/Kg	☼	87		75 - 125
Iron	8220	B	2330	10160		mg/Kg	☼	83		75 - 125
Lead	3.4		46.7	50.28		mg/Kg	☼	101		75 - 125
Magnesium	1070	B	2330	3816		mg/Kg	☼	118		75 - 125
Manganese	165	B	46.7	143.4	F	mg/Kg	☼	-46		75 - 125
Nickel	6.8		46.7	54.32		mg/Kg	☼	102		75 - 125
Potassium	582		2340	3526	F	mg/Kg	☼	126		75 - 125
Selenium	ND		46.7	44.07		mg/Kg	☼	94		75 - 125
Silver	ND		11.7	11.76		mg/Kg	☼	101		75 - 125
Sodium	116	J B	2330	2392		mg/Kg	☼	98		75 - 125
Thallium	ND		46.7	45.71		mg/Kg	☼	98		75 - 125
Vanadium	8.4		46.7	58.22		mg/Kg	☼	107		75 - 125
Zinc	275	B	46.7	180.9	4	mg/Kg	☼	-201		75 - 125

Lab Sample ID: 480-32265-1 MSD

Matrix: Solid

Analysis Batch: 101833

Client Sample ID: PE-1 5-6

Prep Type: Total/NA

Prep Batch: 101669

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Aluminum	3740		2270	8079	F	mg/Kg	☼	191		75 - 125	3	20
Antimony	ND		45.4	39.52		mg/Kg	☼	87		75 - 125	5	20
Arsenic	2.0	J	45.4	45.97		mg/Kg	☼	97		75 - 125	4	20
Barium	37.1		45.4	75.22		mg/Kg	☼	84		75 - 125	3	20
Beryllium	0.16	J	45.4	45.02		mg/Kg	☼	99		75 - 125	4	20
Cadmium	0.40		45.4	44.10		mg/Kg	☼	96		75 - 125	4	20
Calcium	2950	B	2270	4562	F	mg/Kg	☼	71		75 - 125	3	20
Chromium	32.0		45.4	61.46	F	mg/Kg	☼	65		75 - 125	7	20
Cobalt	2.7		45.4	49.70		mg/Kg	☼	103		75 - 125	3	20
Copper	15.8		45.4	53.23		mg/Kg	☼	82		75 - 125	6	20
Iron	8220	B	2270	9783	F	mg/Kg	☼	69		75 - 125	4	20
Lead	3.4		45.4	48.90		mg/Kg	☼	100		75 - 125	3	20
Magnesium	1070	B	2270	3697		mg/Kg	☼	116		75 - 125	3	20
Manganese	165	B	45.4	137.2	F	mg/Kg	☼	-61		75 - 125	4	20
Nickel	6.8		45.4	52.34		mg/Kg	☼	100		75 - 125	4	20
Potassium	582		2280	3460	F	mg/Kg	☼	126		75 - 125	2	20
Selenium	ND		45.4	42.46		mg/Kg	☼	93		75 - 125	4	20
Silver	ND		11.4	11.16		mg/Kg	☼	98		75 - 125	5	20
Sodium	116	J B	2270	2312		mg/Kg	☼	97		75 - 125	3	20
Thallium	ND		45.4	44.89		mg/Kg	☼	99		75 - 125	2	20

TestAmerica Buffalo

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

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

Lab Sample ID: 480-32265-1 MSD

Matrix: Solid

Analysis Batch: 101833

Client Sample ID: PE-1 5-6

Prep Type: Total/NA

Prep Batch: 101669

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Vanadium	8.4		45.4	57.21		mg/Kg	✱	107	75 - 125	2	20
Zinc	275	B	45.4	147.0	4 F	mg/Kg	✱	-281	75 - 125	21	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 480-101664/1-A

Matrix: Solid

Analysis Batch: 101731

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101664

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.020	0.0081	mg/Kg		01/31/13 09:00	01/31/13 11:52	1

Lab Sample ID: LCSSRM 480-101664/2-A

Matrix: Solid

Analysis Batch: 101731

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101664

Analyte	Spike	LCSSRM	LCSSRM	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Mercury	3.77	3.36		mg/Kg		89.0	50.9 - 149. 1

Lab Sample ID: 480-32265-1 MS

Matrix: Solid

Analysis Batch: 101731

Client Sample ID: PE-1 5-6

Prep Type: Total/NA

Prep Batch: 101664

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Mercury	ND		0.357	0.305		mg/Kg	✱	85	75 - 125

Lab Sample ID: 480-32265-1 MSD

Matrix: Solid

Analysis Batch: 101731

Client Sample ID: PE-1 5-6

Prep Type: Total/NA

Prep Batch: 101664

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Mercury	ND		0.348	0.299		mg/Kg	✱	86	75 - 125	2	20

TestAmerica Buffalo

QC Association Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

GC/MS VOA

Analysis Batch: 101666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-32265-1	PE-1 5-6	Total/NA	Solid	8260B	101708
480-32265-4	PE-3 6.5-7.5	Total/NA	Solid	8260B	101708
LCS 480-101666/5	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-101666/6	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 101708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-32265-1	PE-1 5-6	Total/NA	Solid	5035	
480-32265-4	PE-3 6.5-7.5	Total/NA	Solid	5035	

Analysis Batch: 101784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-32265-2	PE-2 6.5-7.5	Total/NA	Solid	8260B	101795
480-32265-3	West Wall PE	Total/NA	Solid	8260B	101795
480-32265-4 - DL	PE-3 6.5-7.5	Total/NA	Solid	8260B	101803
LCS 480-101784/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-101784/5	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 101795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-32265-2	PE-2 6.5-7.5	Total/NA	Solid	5035	
480-32265-3	West Wall PE	Total/NA	Solid	5035	

Prep Batch: 101803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-32265-4 - DL	PE-3 6.5-7.5	Total/NA	Solid	5035	

Metals

Prep Batch: 101664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-32265-1	PE-1 5-6	Total/NA	Solid	7471A	
480-32265-1 MS	PE-1 5-6	Total/NA	Solid	7471A	
480-32265-1 MSD	PE-1 5-6	Total/NA	Solid	7471A	
480-32265-2	PE-2 6.5-7.5	Total/NA	Solid	7471A	
480-32265-3	West Wall PE	Total/NA	Solid	7471A	
480-32265-4	PE-3 6.5-7.5	Total/NA	Solid	7471A	
LCSSRM 480-101664/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 480-101664/1-A	Method Blank	Total/NA	Solid	7471A	

Prep Batch: 101669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-32265-1	PE-1 5-6	Total/NA	Solid	3050B	
480-32265-1 MS	PE-1 5-6	Total/NA	Solid	3050B	
480-32265-1 MSD	PE-1 5-6	Total/NA	Solid	3050B	
480-32265-2	PE-2 6.5-7.5	Total/NA	Solid	3050B	
480-32265-3	West Wall PE	Total/NA	Solid	3050B	
480-32265-4	PE-3 6.5-7.5	Total/NA	Solid	3050B	
LCSSRM 480-101669/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-101669/1-A	Method Blank	Total/NA	Solid	3050B	

TestAmerica Buffalo

QC Association Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

Metals (Continued)

Analysis Batch: 101731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-32265-1	PE-1 5-6	Total/NA	Solid	7471A	101664
480-32265-1 MS	PE-1 5-6	Total/NA	Solid	7471A	101664
480-32265-1 MSD	PE-1 5-6	Total/NA	Solid	7471A	101664
480-32265-2	PE-2 6.5-7.5	Total/NA	Solid	7471A	101664
480-32265-3	West Wall PE	Total/NA	Solid	7471A	101664
480-32265-4	PE-3 6.5-7.5	Total/NA	Solid	7471A	101664
LCSSRM 480-101664/2-A	Lab Control Sample	Total/NA	Solid	7471A	101664
MB 480-101664/1-A	Method Blank	Total/NA	Solid	7471A	101664

Analysis Batch: 101833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-32265-1	PE-1 5-6	Total/NA	Solid	6010B	101669
480-32265-1 MS	PE-1 5-6	Total/NA	Solid	6010B	101669
480-32265-1 MSD	PE-1 5-6	Total/NA	Solid	6010B	101669
480-32265-2	PE-2 6.5-7.5	Total/NA	Solid	6010B	101669
480-32265-3	West Wall PE	Total/NA	Solid	6010B	101669
480-32265-4	PE-3 6.5-7.5	Total/NA	Solid	6010B	101669
LCSSRM 480-101669/2-A	Lab Control Sample	Total/NA	Solid	6010B	101669
MB 480-101669/1-A	Method Blank	Total/NA	Solid	6010B	101669

General Chemistry

Analysis Batch: 101667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-32265-1	PE-1 5-6	Total/NA	Solid	Moisture	
480-32265-2	PE-2 6.5-7.5	Total/NA	Solid	Moisture	
480-32265-3	West Wall PE	Total/NA	Solid	Moisture	
480-32265-4	PE-3 6.5-7.5	Total/NA	Solid	Moisture	

Lab Chronicle

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

Client Sample ID: PE-1 5-6

Date Collected: 01/28/13 14:00

Date Received: 01/30/13 18:00

Lab Sample ID: 480-32265-1

Matrix: Solid

Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			101708	01/31/13 10:52	JMB	TAL BUF
Total/NA	Analysis	8260B		1	101666	01/31/13 13:47	JMB	TAL BUF
Total/NA	Prep	7471A			101664	01/31/13 09:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1	101731	01/31/13 11:56	JRK	TAL BUF
Total/NA	Prep	3050B			101669	01/31/13 09:15	SS	TAL BUF
Total/NA	Analysis	6010B		1	101833	01/31/13 13:08	LH	TAL BUF
Total/NA	Analysis	Moisture		1	101667	01/31/13 08:57		TAL BUF

Client Sample ID: PE-2 6.5-7.5

Date Collected: 01/30/13 14:40

Date Received: 01/30/13 18:00

Lab Sample ID: 480-32265-2

Matrix: Solid

Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			101795	01/31/13 23:43	CDC	TAL BUF
Total/NA	Analysis	8260B		1	101784	02/01/13 00:45	RJ	TAL BUF
Total/NA	Prep	7471A			101664	01/31/13 09:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1	101731	01/31/13 12:08	JRK	TAL BUF
Total/NA	Prep	3050B			101669	01/31/13 09:15	SS	TAL BUF
Total/NA	Analysis	6010B		1	101833	01/31/13 13:19	LH	TAL BUF
Total/NA	Analysis	Moisture		1	101667	01/31/13 08:57		TAL BUF

Client Sample ID: West Wall PE

Date Collected: 01/30/13 14:45

Date Received: 01/30/13 18:00

Lab Sample ID: 480-32265-3

Matrix: Solid

Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			101795	01/31/13 23:43	CDC	TAL BUF
Total/NA	Analysis	8260B		1	101784	02/01/13 01:11	RJ	TAL BUF
Total/NA	Prep	7471A			101664	01/31/13 09:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1	101731	01/31/13 12:10	JRK	TAL BUF
Total/NA	Prep	3050B			101669	01/31/13 09:15	SS	TAL BUF
Total/NA	Analysis	6010B		1	101833	01/31/13 13:26	LH	TAL BUF
Total/NA	Analysis	Moisture		1	101667	01/31/13 08:57		TAL BUF

Client Sample ID: PE-3 6.5-7.5

Date Collected: 01/30/13 14:53

Date Received: 01/30/13 18:00

Lab Sample ID: 480-32265-4

Matrix: Solid

Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			101708	01/31/13 10:52	JMB	TAL BUF
Total/NA	Analysis	8260B		1	101666	01/31/13 15:03	JMB	TAL BUF
Total/NA	Prep	5035	DL		101803	02/01/13 01:56	CDC	TAL BUF
Total/NA	Analysis	8260B	DL	1	101784	02/01/13 03:34	RJ	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

Client Sample ID: PE-3 6.5-7.5

Lab Sample ID: 480-32265-4

Date Collected: 01/30/13 14:53

Matrix: Solid

Date Received: 01/30/13 18:00

Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			101664	01/31/13 09:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1	101731	01/31/13 12:12	JRK	TAL BUF
Total/NA	Prep	3050B			101669	01/31/13 09:15	SS	TAL BUF
Total/NA	Analysis	6010B		1	101833	01/31/13 13:28	LH	TAL BUF
Total/NA	Analysis	Moisture		1	101667	01/31/13 08:57		TAL BUF

Laboratory References:

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



Certification Summary

Client: HRP Associates, Inc.
 Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAP	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13
Georgia	State Program	4	956	06-30-13
Georgia	State Program	4	956	06-30-13
Illinois	NELAP	5	200003	09-30-13
Iowa	State Program	7	374	03-01-13
Kansas	NELAP	7	E-10187	01-31-13
Kentucky	State Program	4	90029	12-31-13
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAP	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-13
Maryland	State Program	3	294	03-31-13
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13
Minnesota	NELAP	5	036-999-337	12-31-13
New Hampshire	NELAP	1	2973	09-11-13
New Hampshire	NELAP	1	2337	11-17-13
New Jersey	NELAP	2	NY455	06-30-13
New York	NELAP	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAP	10	NY200003	06-09-13
Pennsylvania	NELAP	3	68-00281	07-31-13
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAP	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-13
Washington	State Program	10	C784	02-10-13
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	08-31-13

Method Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010B	Metals (ICP)	SW846	TAL BUF
7471A	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	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: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32265-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-32265-1	PE-1 5-6	Solid	01/28/13 14:00	01/30/13 18:00
480-32265-2	PE-2 6.5-7.5	Solid	01/30/13 14:40	01/30/13 18:00
480-32265-3	West Wall PE	Solid	01/30/13 14:45	01/30/13 18:00
480-32265-4	PE-3 6.5-7.5	Solid	01/30/13 14:53	01/30/13 18:00

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Chain of Custody Record

480-32265
Temperature on Receipt _____
Drinking Water? Yes No

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THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: **HRP Associates, Inc.** Project Manager: **PR** Chain of Custody Number: **241453**

Address: **1 Fairchild Sq. Jk 110** Telephone Number (Area Code)/Fax Number: **518-877-710** Page **1** of **1**

City: **Clifton Park** State: **NY** Zip Code: **12065** Site Contact: **PR** Lab Contact: _____ Analysis (Attach list if more space is needed)

Project Name and Location (State): **Bardonia mfs. Ruckert, NY** Carrier/Waybill Number: _____

Contract/Purchase Order/Quote No.: **NEW 9624.P2**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Special Instructions/ Conditions of Receipt				
			Air	Aquatics	Sed	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH					
PE-1 5-6	1/28/13	1400				X				3							
PE-2 6.5-7.5	1/30/13	1440				X				3							
West Wall PE	1/30/13	1445				X				3							
PE-3 6.5-7.5	1/30/13	1455				X				3							

Sample Disposal: Return To Client Disposal By Lab Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

QC Requirements (Specify):

1. Relinquished By: _____ Date: 1/30/13 Time: 1455
2. Relinquished By: _____ Date: 1/30/13 Time: 1600
3. Relinquished By: _____ Date: _____ Time: _____

Comments: **Temp 2.0 JCE#3**

Login Sample Receipt Checklist

Client: HRP Associates, Inc.

Job Number: 480-32265-1

Login Number: 32265

List Number: 1

Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
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.	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	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	



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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: 480-32354-1

Client Project/Site: Barthelmes Manufacturing

For:

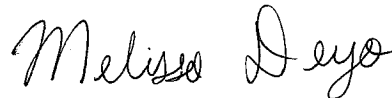
HRP Associates, Inc.

1 Fairchild Square

Suite 110

Clifton Park, New York 12065

Attn: Patrick C Rodman



Authorized for release by:

2/5/2013 3:29:40 PM

Melissa Deyo

Project Manager I

melissa.deyo@testamericainc.com

Designee for

John Schove

Project Manager I

john.schove@testamericainc.com

LINKS

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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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Definitions/Glossary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Qualifiers

GC/MS 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.
E	Result exceeded calibration range.
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.
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.

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 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

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
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
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: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Job ID: 480-32354-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-32354-1

Comments

No additional comments.

Receipt

The samples were received on 2/1/2013 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.6° C.

GC/MS VOA

Method(s) 8260B: The following sample(s) was analyzed medium level to bring the concentration of target analytes within the calibration range: PS-1 (480-32354-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The method blank associated with batch 101919 contained naphthalene as a non-target compound.

Method(s) 8260B: The method blank for batch 101996 contained Methylene Chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The Method Blank for batch 480-101889 contained total manganese above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples PE- BASE 1 (480-32354-4), PE- BASE 2 (480-32354-5), PE-4 6-7 (480-32354-1), PE-5 6-7 (480-32354-2), PE-6 6-7 (480-32354-3), PS-1 (480-32354-6) was not performed.

Method(s) 6010B: The Serial Dilution (480-32354-6 SD) in batch 480-101889, exhibited a result outside the quality control limits for total manganese. However, the Post Digestion Spike was compliant so no corrective action was necessary.

Method(s) 6010B: The Serial Dilution and Post Spike (480-32354-6 PDS), (480-32354-6 SD) exceeded the quality control limits for total zinc. Sample matrix is suspected, therefore, no corrective action was necessary.

Method(s) 6010B: The recoveries of Post Spike, (480-32354-6 PDS), in batch 480-101889 exhibited results outside the quality control limits for total iron and magnesium. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary.

Method(s) 6010B: The Matrix Spike/ Matrix Spike Duplicate ((480-32354-6 MS), (480-32354-6 MSD)) recoveries for total chromium and copper in batch 480-101889 were outside control limits. The Matrix Spike Duplicate was also outside the quality control limits for total aluminum and barium. Non-homogeneity of the sample matrix is suspected. The associated Laboratory Control Sample (LCS) met acceptance criteria, therefore no corrective action was necessary.

Method(s) 6010B: The Matrix Spike / Matrix Spike Duplicate ((480-32354-6 MS), (480-32354-6 MSD)) precision for batch 480-101889 was outside control limits for total chromium, copper, sodium, and zinc. Non-homogeneity of the sample matrix is suspected. The associated Laboratory Control Sample met acceptance criteria, therefore, no corrective action was necessary.

Method(s) 6010B: The following sample was diluted to bring the concentration of target analyte total calcium within the linear range: PE-5 6-7 (480-32354-2). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Detection Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Client Sample ID: PE-4 6-7

Lab Sample ID: 480-32354-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	65		32	5.4	ug/Kg	1	☼	8260B	Total/NA
cis-1,2-Dichloroethene	7.7		6.5	0.83	ug/Kg	1	☼	8260B	Total/NA
Trichloroethene	4.2	J	6.5	1.4	ug/Kg	1	☼	8260B	Total/NA
Aluminum	2790		11.3	5.0	mg/Kg	1	☼	6010B	Total/NA
Arsenic	1.1	J	2.3	0.45	mg/Kg	1	☼	6010B	Total/NA
Barium	26.7		0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.11	J	0.23	0.032	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.26		0.23	0.034	mg/Kg	1	☼	6010B	Total/NA
Calcium	28700		56.7	3.7	mg/Kg	1	☼	6010B	Total/NA
Chromium	20.9		0.57	0.23	mg/Kg	1	☼	6010B	Total/NA
Cobalt	2.8		0.57	0.057	mg/Kg	1	☼	6010B	Total/NA
Copper	6.2		1.1	0.24	mg/Kg	1	☼	6010B	Total/NA
Iron	5660		11.3	1.2	mg/Kg	1	☼	6010B	Total/NA
Lead	2.2		1.1	0.27	mg/Kg	1	☼	6010B	Total/NA
Magnesium	7080		22.7	1.1	mg/Kg	1	☼	6010B	Total/NA
Manganese	320	B	0.23	0.036	mg/Kg	1	☼	6010B	Total/NA
Nickel	6.6		5.7	0.26	mg/Kg	1	☼	6010B	Total/NA
Potassium	620		34.0	22.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	168		159	14.7	mg/Kg	1	☼	6010B	Total/NA
Vanadium	7.7		0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Zinc	71.9		2.3	0.17	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: PE-5 6-7

Lab Sample ID: 480-32354-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	37	J	130	22	ug/Kg	1	☼	8260B	Total/NA
cis-1,2-Dichloroethene	9.3	J	26	3.3	ug/Kg	1	☼	8260B	Total/NA
Isopropylbenzene	4.4	J	26	3.9	ug/Kg	1	☼	8260B	Total/NA
Trichloroethene	430		26	5.7	ug/Kg	1	☼	8260B	Total/NA
Aluminum	2360		9.8	4.3	mg/Kg	1	☼	6010B	Total/NA
Arsenic	2.4		2.0	0.39	mg/Kg	1	☼	6010B	Total/NA
Barium	32.0		0.49	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.18	J	0.20	0.027	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.66		0.20	0.029	mg/Kg	1	☼	6010B	Total/NA
Calcium	114000		97.7	6.4	mg/Kg	2	☼	6010B	Total/NA
Chromium	9.2		0.49	0.20	mg/Kg	1	☼	6010B	Total/NA
Cobalt	3.2		0.49	0.049	mg/Kg	1	☼	6010B	Total/NA
Copper	48.6		0.98	0.21	mg/Kg	1	☼	6010B	Total/NA
Iron	8810		9.8	1.1	mg/Kg	1	☼	6010B	Total/NA
Lead	6.6		0.98	0.23	mg/Kg	1	☼	6010B	Total/NA
Magnesium	32800		19.5	0.91	mg/Kg	1	☼	6010B	Total/NA
Manganese	591	B	0.20	0.031	mg/Kg	1	☼	6010B	Total/NA
Nickel	16.4		4.9	0.22	mg/Kg	1	☼	6010B	Total/NA
Potassium	1050		29.3	19.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	199		137	12.7	mg/Kg	1	☼	6010B	Total/NA
Vanadium	9.8		0.49	0.11	mg/Kg	1	☼	6010B	Total/NA
Zinc	359		2.0	0.15	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: PE-6 6-7

Lab Sample ID: 480-32354-3

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Client Sample ID: PE-6 6-7 (Continued)

Lab Sample ID: 480-32354-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	4.2	J	5.7	1.2	ug/Kg	1	☼	8260B	Total/NA
Aluminum	2270		10.9	4.8	mg/Kg	1	☼	6010B	Total/NA
Arsenic	1.2	J	2.2	0.43	mg/Kg	1	☼	6010B	Total/NA
Barium	10.8		0.54	0.12	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.11	J	0.22	0.030	mg/Kg	1	☼	6010B	Total/NA
Calcium	1920		54.3	3.6	mg/Kg	1	☼	6010B	Total/NA
Chromium	16.2		0.54	0.22	mg/Kg	1	☼	6010B	Total/NA
Cobalt	1.1		0.54	0.054	mg/Kg	1	☼	6010B	Total/NA
Copper	4.2		1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Iron	6130		10.9	1.2	mg/Kg	1	☼	6010B	Total/NA
Lead	3.2		1.1	0.26	mg/Kg	1	☼	6010B	Total/NA
Magnesium	894		21.7	1.0	mg/Kg	1	☼	6010B	Total/NA
Manganese	40.6	B	0.22	0.035	mg/Kg	1	☼	6010B	Total/NA
Nickel	3.6	J	5.4	0.25	mg/Kg	1	☼	6010B	Total/NA
Potassium	493		32.6	21.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	131	J	152	14.1	mg/Kg	1	☼	6010B	Total/NA
Vanadium	4.6		0.54	0.12	mg/Kg	1	☼	6010B	Total/NA
Zinc	18.2		2.2	0.17	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: PE- BASE 1

Lab Sample ID: 480-32354-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	49	J	52	6.6	ug/Kg	1	☼	8260B	Total/NA
Trichloroethene	470		52	11	ug/Kg	1	☼	8260B	Total/NA
Aluminum	3880		12.5	5.5	mg/Kg	1	☼	6010B	Total/NA
Arsenic	4.6		2.5	0.50	mg/Kg	1	☼	6010B	Total/NA
Barium	35.4		0.63	0.14	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.18	J	0.25	0.035	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.14	J	0.25	0.038	mg/Kg	1	☼	6010B	Total/NA
Calcium	45000		62.7	4.1	mg/Kg	1	☼	6010B	Total/NA
Chromium	13.6		0.63	0.25	mg/Kg	1	☼	6010B	Total/NA
Cobalt	3.4		0.63	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	12.2		1.3	0.26	mg/Kg	1	☼	6010B	Total/NA
Iron	8750		12.5	1.4	mg/Kg	1	☼	6010B	Total/NA
Lead	5.0		1.3	0.30	mg/Kg	1	☼	6010B	Total/NA
Magnesium	10300		25.1	1.2	mg/Kg	1	☼	6010B	Total/NA
Manganese	285	B	0.25	0.040	mg/Kg	1	☼	6010B	Total/NA
Nickel	8.3		6.3	0.29	mg/Kg	1	☼	6010B	Total/NA
Potassium	866		37.6	25.1	mg/Kg	1	☼	6010B	Total/NA
Sodium	240		175	16.3	mg/Kg	1	☼	6010B	Total/NA
Vanadium	9.7		0.63	0.14	mg/Kg	1	☼	6010B	Total/NA
Zinc	58.7		2.5	0.19	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: PE- BASE 2

Lab Sample ID: 480-32354-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	44		28	4.7	ug/Kg	1	☼	8260B	Total/NA
cis-1,2-Dichloroethene	45		5.6	0.72	ug/Kg	1	☼	8260B	Total/NA
Trichloroethene	46		5.6	1.2	ug/Kg	1	☼	8260B	Total/NA
Aluminum	4210		12.1	5.3	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Client Sample ID: PE- BASE 2 (Continued)

Lab Sample ID: 480-32354-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.5		2.4	0.48	mg/Kg	1	☼	6010B	Total/NA
Barium	32.9		0.61	0.13	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.19	J	0.24	0.034	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.10	J	0.24	0.036	mg/Kg	1	☼	6010B	Total/NA
Calcium	57000		60.5	4.0	mg/Kg	1	☼	6010B	Total/NA
Chromium	7.2		0.61	0.24	mg/Kg	1	☼	6010B	Total/NA
Cobalt	3.5		0.61	0.061	mg/Kg	1	☼	6010B	Total/NA
Copper	9.8		1.2	0.25	mg/Kg	1	☼	6010B	Total/NA
Iron	9000		12.1	1.3	mg/Kg	1	☼	6010B	Total/NA
Lead	5.6		1.2	0.29	mg/Kg	1	☼	6010B	Total/NA
Magnesium	12300		24.2	1.1	mg/Kg	1	☼	6010B	Total/NA
Manganese	283	B	0.24	0.039	mg/Kg	1	☼	6010B	Total/NA
Nickel	9.3		6.1	0.28	mg/Kg	1	☼	6010B	Total/NA
Potassium	1050		36.3	24.2	mg/Kg	1	☼	6010B	Total/NA
Sodium	210		170	15.7	mg/Kg	1	☼	6010B	Total/NA
Vanadium	11.0		0.61	0.13	mg/Kg	1	☼	6010B	Total/NA
Zinc	19.8		2.4	0.19	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: PS-1

Lab Sample ID: 480-32354-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1300		120	41	ug/Kg	1	☼	8260B	Total/NA
Acetone	920		590	480	ug/Kg	1	☼	8260B	Total/NA
cis-1,2-Dichloroethene	180000	E	120	33	ug/Kg	1	☼	8260B	Total/NA
Ethylbenzene	1000		120	34	ug/Kg	1	☼	8260B	Total/NA
Isopropylbenzene	600		120	18	ug/Kg	1	☼	8260B	Total/NA
Methylene Chloride	53	J B	120	23	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene	7500		120	16	ug/Kg	1	☼	8260B	Total/NA
Toluene	2100		120	32	ug/Kg	1	☼	8260B	Total/NA
trans-1,2-Dichloroethene	140		120	28	ug/Kg	1	☼	8260B	Total/NA
Trichloroethene	540000	E	120	33	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	4800		240	20	ug/Kg	1	☼	8260B	Total/NA
cis-1,2-Dichloroethene - DL	220000		59000	16000	ug/Kg	500	☼	8260B	Total/NA
Methylene Chloride - DL	13000	J B	59000	12000	ug/Kg	500	☼	8260B	Total/NA
Trichloroethene - DL	4100000		59000	16000	ug/Kg	500	☼	8260B	Total/NA
Aluminum	5610		11.5	5.0	mg/Kg	1	☼	6010B	Total/NA
Arsenic	4.6		2.3	0.46	mg/Kg	1	☼	6010B	Total/NA
Barium	36.3		0.57	0.13	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.18	J	0.23	0.032	mg/Kg	1	☼	6010B	Total/NA
Cadmium	1.4		0.23	0.034	mg/Kg	1	☼	6010B	Total/NA
Calcium	48700		57.3	3.8	mg/Kg	1	☼	6010B	Total/NA
Chromium	120		0.57	0.23	mg/Kg	1	☼	6010B	Total/NA
Cobalt	4.2		0.57	0.057	mg/Kg	1	☼	6010B	Total/NA
Copper	55.7		1.1	0.24	mg/Kg	1	☼	6010B	Total/NA
Iron	17900		11.5	1.3	mg/Kg	1	☼	6010B	Total/NA
Lead	19.1		1.1	0.28	mg/Kg	1	☼	6010B	Total/NA
Magnesium	11400		22.9	1.1	mg/Kg	1	☼	6010B	Total/NA
Manganese	618	B	0.23	0.037	mg/Kg	1	☼	6010B	Total/NA
Nickel	21.3		5.7	0.26	mg/Kg	1	☼	6010B	Total/NA
Potassium	882		34.4	22.9	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Client Sample ID: PS-1 (Continued)

Lab Sample ID: 480-32354-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	0.57	J	4.6	0.46	mg/Kg	1	☼	6010B	Total/NA
Sodium	840		161	14.9	mg/Kg	1	☼	6010B	Total/NA
Vanadium	13.6		0.57	0.13	mg/Kg	1	☼	6010B	Total/NA
Zinc	423		2.3	0.18	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo



Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Client Sample ID: PE-4 6-7

Lab Sample ID: 480-32354-1

Date Collected: 01/31/13 14:20

Matrix: Solid

Date Received: 02/01/13 09:00

Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.5	0.47	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
1,1,1,2-Tetrachloroethane	ND		6.5	1.0	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.5	1.5	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
1,1,2-Trichloroethane	ND		6.5	0.84	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
1,1-Dichloroethane	ND		6.5	0.79	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
1,1-Dichloroethene	ND		6.5	0.79	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
1,2,4-Trichlorobenzene	ND		6.5	0.39	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
1,2-Dibromo-3-Chloropropane	ND		6.5	3.2	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
1,2-Dichlorobenzene	ND		6.5	0.51	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
1,2-Dichloroethane	ND		6.5	0.32	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
1,2-Dichloropropane	ND		6.5	3.2	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
1,3-Dichlorobenzene	ND		6.5	0.33	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
1,4-Dichlorobenzene	ND		6.5	0.90	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
2-Hexanone	ND		32	3.2	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Acetone	65		32	5.4	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Benzene	ND		6.5	0.32	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Bromoform	ND		6.5	3.2	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Bromomethane	ND		6.5	0.58	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Carbon disulfide	ND		6.5	3.2	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Carbon tetrachloride	ND		6.5	0.63	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Chlorobenzene	ND		6.5	0.85	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Dibromochloromethane	ND		6.5	0.83	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Chloroethane	ND		6.5	1.5	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Chloroform	ND		6.5	0.40	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Chloromethane	ND		6.5	0.39	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
cis-1,2-Dichloroethene	7.7		6.5	0.83	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
cis-1,3-Dichloropropene	ND		6.5	0.93	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Cyclohexane	ND		6.5	0.90	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Bromodichloromethane	ND		6.5	0.87	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Dichlorodifluoromethane	ND		6.5	0.53	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Ethylbenzene	ND		6.5	0.45	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
1,2-Dibromoethane	ND		6.5	0.83	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Isopropylbenzene	ND		6.5	0.97	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Methyl acetate	ND		6.5	1.2	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
2-Butanone (MEK)	ND		32	2.4	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
4-Methyl-2-pentanone (MIBK)	ND		32	2.1	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Methyl tert-butyl ether	ND		6.5	0.63	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Methylcyclohexane	ND		6.5	0.98	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Methylene Chloride	ND		6.5	3.0	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Styrene	ND		6.5	0.32	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Tetrachloroethene	ND		6.5	0.87	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Toluene	ND		6.5	0.49	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
trans-1,2-Dichloroethene	ND		6.5	0.67	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
trans-1,3-Dichloropropene	ND		6.5	2.8	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Trichloroethene	4.2 J		6.5	1.4	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Trichlorofluoromethane	ND		6.5	0.61	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Vinyl chloride	ND		6.5	0.79	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1
Xylenes, Total	ND		13	1.1	ug/Kg	☼	02/04/13 10:36	02/04/13 15:17	1

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Client Sample ID: PE-4 6-7

Lab Sample ID: 480-32354-1

Date Collected: 01/31/13 14:20

Matrix: Solid

Date Received: 02/01/13 09:00

Percent Solids: 85.6

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Butanamide, 3,3-dimethyl-	48	T J N	ug/Kg	☼	8.61	926-4-5	02/04/13 10:36	02/04/13 15:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		64 - 126				02/04/13 10:36	02/04/13 15:17	1
Toluene-d8 (Surr)	109		71 - 125				02/04/13 10:36	02/04/13 15:17	1
4-Bromofluorobenzene (Surr)	118		72 - 126				02/04/13 10:36	02/04/13 15:17	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2790		11.3	5.0	mg/Kg	☼	02/01/13 13:20	02/01/13 19:20	1
Antimony	ND		17.0	0.45	mg/Kg	☼	02/01/13 13:20	02/01/13 19:20	1
Arsenic	1.1	J	2.3	0.45	mg/Kg	☼	02/01/13 13:20	02/01/13 19:20	1
Barium	26.7		0.57	0.12	mg/Kg	☼	02/01/13 13:20	02/01/13 19:20	1
Beryllium	0.11	J	0.23	0.032	mg/Kg	☼	02/01/13 13:20	02/01/13 19:20	1
Cadmium	0.26		0.23	0.034	mg/Kg	☼	02/01/13 13:20	02/01/13 19:20	1
Calcium	28700		56.7	3.7	mg/Kg	☼	02/01/13 13:20	02/01/13 19:20	1
Chromium	20.9		0.57	0.23	mg/Kg	☼	02/01/13 13:20	02/01/13 19:20	1
Cobalt	2.8		0.57	0.057	mg/Kg	☼	02/01/13 13:20	02/01/13 19:20	1
Copper	6.2		1.1	0.24	mg/Kg	☼	02/01/13 13:20	02/01/13 19:20	1
Iron	5660		11.3	1.2	mg/Kg	☼	02/01/13 13:20	02/01/13 19:20	1
Lead	2.2		1.1	0.27	mg/Kg	☼	02/01/13 13:20	02/01/13 19:20	1
Magnesium	7080		22.7	1.1	mg/Kg	☼	02/01/13 13:20	02/01/13 19:20	1
Manganese	320	B	0.23	0.036	mg/Kg	☼	02/01/13 13:20	02/01/13 19:20	1
Nickel	6.6		5.7	0.26	mg/Kg	☼	02/01/13 13:20	02/01/13 19:20	1
Potassium	620		34.0	22.7	mg/Kg	☼	02/01/13 13:20	02/01/13 19:20	1
Selenium	ND		4.5	0.45	mg/Kg	☼	02/01/13 13:20	02/01/13 19:20	1
Silver	ND		0.57	0.23	mg/Kg	☼	02/01/13 13:20	02/01/13 19:20	1
Sodium	168		159	14.7	mg/Kg	☼	02/01/13 13:20	02/01/13 19:20	1
Thallium	ND		6.8	0.34	mg/Kg	☼	02/01/13 13:20	02/01/13 19:20	1
Vanadium	7.7		0.57	0.12	mg/Kg	☼	02/01/13 13:20	02/01/13 19:20	1
Zinc	71.9		2.3	0.17	mg/Kg	☼	02/01/13 13:20	02/01/13 19:20	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.024	0.0097	mg/Kg	☼	02/01/13 12:15	02/01/13 13:31	1

Client Sample ID: PE-5 6-7

Lab Sample ID: 480-32354-2

Date Collected: 01/31/13 14:30

Matrix: Solid

Date Received: 02/01/13 09:00

Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		26	1.9	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
1,1,2,2-Tetrachloroethane	ND		26	4.2	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		26	5.9	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
1,1,2-Trichloroethane	ND		26	3.4	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
1,1-Dichloroethane	ND		26	3.2	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
1,1-Dichloroethene	ND		26	3.2	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
1,2,4-Trichlorobenzene	ND		26	1.6	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
1,2-Dibromo-3-Chloropropane	ND		26	13	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
1,2-Dichlorobenzene	ND		26	2.0	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Client Sample ID: PE-5 6-7

Lab Sample ID: 480-32354-2

Date Collected: 01/31/13 14:30

Matrix: Solid

Date Received: 02/01/13 09:00

Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		26	1.3	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
1,2-Dichloropropane	ND		26	13	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
1,3-Dichlorobenzene	ND		26	1.3	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
1,4-Dichlorobenzene	ND		26	3.6	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
2-Hexanone	ND		130	13	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Acetone	37	J	130	22	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Benzene	ND		26	1.3	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Bromoform	ND		26	13	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Bromomethane	ND		26	2.3	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Carbon disulfide	ND		26	13	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Carbon tetrachloride	ND		26	2.5	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Chlorobenzene	ND		26	3.4	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Dibromochloromethane	ND		26	3.3	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Chloroethane	ND		26	5.8	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Chloroform	ND		26	1.6	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Chloromethane	ND		26	1.6	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
cis-1,2-Dichloroethene	9.3	J	26	3.3	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
cis-1,3-Dichloropropene	ND		26	3.7	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Cyclohexane	ND		26	3.6	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Bromodichloromethane	ND		26	3.5	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Dichlorodifluoromethane	ND		26	2.1	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Ethylbenzene	ND		26	1.8	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
1,2-Dibromoethane	ND		26	3.3	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Isopropylbenzene	4.4	J	26	3.9	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Methyl acetate	ND		26	4.8	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
2-Butanone (MEK)	ND		130	9.5	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
4-Methyl-2-pentanone (MIBK)	ND		130	8.5	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Methyl tert-butyl ether	ND		26	2.5	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Methylcyclohexane	ND		26	3.9	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Methylene Chloride	ND		26	12	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Styrene	ND		26	1.3	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Tetrachloroethene	ND		26	3.5	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Toluene	ND		26	2.0	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
trans-1,2-Dichloroethene	ND		26	2.7	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
trans-1,3-Dichloropropene	ND		26	11	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Trichloroethene	430		26	5.7	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Trichlorofluoromethane	ND		26	2.4	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Vinyl chloride	ND		26	3.2	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1
Xylenes, Total	ND		52	4.3	ug/Kg	☼	02/04/13 10:36	02/04/13 16:33	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Benzene, 1-ethyl-3-methyl-	86	T J N	ug/Kg	☼	9.89	620-14-4	02/04/13 10:36	02/04/13 16:33	1
Decane, 4-methyl-	62	T J N	ug/Kg	☼	10.16	2847-72-5	02/04/13 10:36	02/04/13 16:33	1
1,2,4-Trimethylbenzene	100		ug/Kg	☼	10.33	95-63-6	02/04/13 10:36	02/04/13 16:33	1
Benzene, (1-methylpropyl)-	66	T J N	ug/Kg	☼	10.49	135-98-8	02/04/13 10:36	02/04/13 16:33	1
Benzene, 1-methyl-4-(1-methylethyl)-	51	T J N	ug/Kg	☼	10.55	99-87-6	02/04/13 10:36	02/04/13 16:33	1
1,2,3-Trimethylbenzene	67		ug/Kg	☼	10.73	526-73-8	02/04/13 10:36	02/04/13 16:33	1
Benzene, 1-methyl-3-propyl-	47	T J N	ug/Kg	☼	10.90	1074-43-7	02/04/13 10:36	02/04/13 16:33	1
Benzene, 2-ethyl-1,4-dimethyl-	51	T J N	ug/Kg	☼	11.28	1758-88-9	02/04/13 10:36	02/04/13 16:33	1
Benzene, 2-butenyl-	75	T J N	ug/Kg	☼	11.40	1560-6-1	02/04/13 10:36	02/04/13 16:33	1

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Client Sample ID: PE-5 6-7

Lab Sample ID: 480-32354-2

Date Collected: 01/31/13 14:30

Matrix: Solid

Date Received: 02/01/13 09:00

Percent Solids: 93.0

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Benzene, 1-methyl-2-(1-methylethyl)-	55	T J N	ug/Kg	☼	11.55	527-84-4	02/04/13 10:36	02/04/13 16:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		64 - 126				02/04/13 10:36	02/04/13 16:33	1
Toluene-d8 (Surr)	109		71 - 125				02/04/13 10:36	02/04/13 16:33	1
4-Bromofluorobenzene (Surr)	117		72 - 126				02/04/13 10:36	02/04/13 16:33	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2360		9.8	4.3	mg/Kg	☼	02/01/13 13:20	02/01/13 19:22	1
Antimony	ND		14.7	0.39	mg/Kg	☼	02/01/13 13:20	02/01/13 19:22	1
Arsenic	2.4		2.0	0.39	mg/Kg	☼	02/01/13 13:20	02/01/13 19:22	1
Barium	32.0		0.49	0.11	mg/Kg	☼	02/01/13 13:20	02/01/13 19:22	1
Beryllium	0.18	J	0.20	0.027	mg/Kg	☼	02/01/13 13:20	02/01/13 19:22	1
Cadmium	0.66		0.20	0.029	mg/Kg	☼	02/01/13 13:20	02/01/13 19:22	1
Calcium	114000		97.7	6.4	mg/Kg	☼	02/01/13 13:20	02/04/13 11:34	2
Chromium	9.2		0.49	0.20	mg/Kg	☼	02/01/13 13:20	02/01/13 19:22	1
Cobalt	3.2		0.49	0.049	mg/Kg	☼	02/01/13 13:20	02/01/13 19:22	1
Copper	48.6		0.98	0.21	mg/Kg	☼	02/01/13 13:20	02/01/13 19:22	1
Iron	8810		9.8	1.1	mg/Kg	☼	02/01/13 13:20	02/01/13 19:22	1
Lead	6.6		0.98	0.23	mg/Kg	☼	02/01/13 13:20	02/01/13 19:22	1
Magnesium	32800		19.5	0.91	mg/Kg	☼	02/01/13 13:20	02/01/13 19:22	1
Manganese	591	B	0.20	0.031	mg/Kg	☼	02/01/13 13:20	02/01/13 19:22	1
Nickel	16.4		4.9	0.22	mg/Kg	☼	02/01/13 13:20	02/01/13 19:22	1
Potassium	1050		29.3	19.5	mg/Kg	☼	02/01/13 13:20	02/01/13 19:22	1
Selenium	ND		3.9	0.39	mg/Kg	☼	02/01/13 13:20	02/01/13 19:22	1
Silver	ND		0.49	0.20	mg/Kg	☼	02/01/13 13:20	02/01/13 19:22	1
Sodium	199		137	12.7	mg/Kg	☼	02/01/13 13:20	02/01/13 19:22	1
Thallium	ND		5.9	0.29	mg/Kg	☼	02/01/13 13:20	02/01/13 19:22	1
Vanadium	9.8		0.49	0.11	mg/Kg	☼	02/01/13 13:20	02/01/13 19:22	1
Zinc	359		2.0	0.15	mg/Kg	☼	02/01/13 13:20	02/01/13 19:22	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.022	0.0088	mg/Kg	☼	02/01/13 12:15	02/01/13 13:33	1

Client Sample ID: PE-6 6-7

Lab Sample ID: 480-32354-3

Date Collected: 01/31/13 15:35

Matrix: Solid

Date Received: 02/01/13 09:00

Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.7	0.41	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
1,1,2,2-Tetrachloroethane	ND		5.7	0.92	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	1.3	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
1,1,2-Trichloroethane	ND		5.7	0.74	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
1,1-Dichloroethane	ND		5.7	0.69	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
1,1-Dichloroethene	ND		5.7	0.69	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
1,2,4-Trichlorobenzene	ND		5.7	0.34	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
1,2-Dibromo-3-Chloropropane	ND		5.7	2.8	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Client Sample ID: PE-6 6-7

Lab Sample ID: 480-32354-3

Date Collected: 01/31/13 15:35

Matrix: Solid

Date Received: 02/01/13 09:00

Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		5.7	0.44	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
1,2-Dichloroethane	ND		5.7	0.28	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
1,2-Dichloropropane	ND		5.7	2.8	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
1,3-Dichlorobenzene	ND		5.7	0.29	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
1,4-Dichlorobenzene	ND		5.7	0.79	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
2-Hexanone	ND		28	2.8	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Acetone	ND		28	4.8	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Benzene	ND		5.7	0.28	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Bromoform	ND		5.7	2.8	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Bromomethane	ND		5.7	0.51	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Carbon disulfide	ND		5.7	2.8	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Carbon tetrachloride	ND		5.7	0.55	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Chlorobenzene	ND		5.7	0.75	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Dibromochloromethane	ND		5.7	0.72	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Chloroethane	ND		5.7	1.3	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Chloroform	ND		5.7	0.35	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Chloromethane	ND		5.7	0.34	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
cis-1,2-Dichloroethene	ND		5.7	0.72	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
cis-1,3-Dichloropropene	ND		5.7	0.81	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Cyclohexane	ND		5.7	0.79	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Bromodichloromethane	ND		5.7	0.76	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Dichlorodifluoromethane	ND		5.7	0.47	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Ethylbenzene	ND		5.7	0.39	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
1,2-Dibromoethane	ND		5.7	0.73	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Isopropylbenzene	ND		5.7	0.85	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Methyl acetate	ND		5.7	1.1	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
2-Butanone (MEK)	ND		28	2.1	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
4-Methyl-2-pentanone (MIBK)	ND		28	1.9	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Methyl tert-butyl ether	ND		5.7	0.56	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Methylcyclohexane	ND		5.7	0.86	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Methylene Chloride	ND		5.7	2.6	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Styrene	ND		5.7	0.28	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Tetrachloroethene	ND		5.7	0.76	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Toluene	ND		5.7	0.43	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
trans-1,2-Dichloroethene	ND		5.7	0.58	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
trans-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Trichloroethene	4.2	J	5.7	1.2	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Trichlorofluoromethane	ND		5.7	0.54	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Vinyl chloride	ND		5.7	0.69	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1
Xylenes, Total	ND		11	0.95	ug/Kg	☼	02/04/13 10:36	02/04/13 15:42	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			02/04/13 10:36	02/04/13 15:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		64 - 126	02/04/13 10:36	02/04/13 15:42	1
Toluene-d8 (Surr)	109		71 - 125	02/04/13 10:36	02/04/13 15:42	1
4-Bromofluorobenzene (Surr)	117		72 - 126	02/04/13 10:36	02/04/13 15:42	1

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Client Sample ID: PE-6 6-7

Lab Sample ID: 480-32354-3

Date Collected: 01/31/13 15:35

Matrix: Solid

Date Received: 02/01/13 09:00

Percent Solids: 92.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2270		10.9	4.8	mg/Kg	☼	02/01/13 13:20	02/01/13 19:24	1
Antimony	ND		16.3	0.43	mg/Kg	☼	02/01/13 13:20	02/01/13 19:24	1
Arsenic	1.2	J	2.2	0.43	mg/Kg	☼	02/01/13 13:20	02/01/13 19:24	1
Barium	10.8		0.54	0.12	mg/Kg	☼	02/01/13 13:20	02/01/13 19:24	1
Beryllium	0.11	J	0.22	0.030	mg/Kg	☼	02/01/13 13:20	02/01/13 19:24	1
Cadmium	ND		0.22	0.033	mg/Kg	☼	02/01/13 13:20	02/01/13 19:24	1
Calcium	1920		54.3	3.6	mg/Kg	☼	02/01/13 13:20	02/01/13 19:24	1
Chromium	16.2		0.54	0.22	mg/Kg	☼	02/01/13 13:20	02/01/13 19:24	1
Cobalt	1.1		0.54	0.054	mg/Kg	☼	02/01/13 13:20	02/01/13 19:24	1
Copper	4.2		1.1	0.23	mg/Kg	☼	02/01/13 13:20	02/01/13 19:24	1
Iron	6130		10.9	1.2	mg/Kg	☼	02/01/13 13:20	02/01/13 19:24	1
Lead	3.2		1.1	0.26	mg/Kg	☼	02/01/13 13:20	02/01/13 19:24	1
Magnesium	894		21.7	1.0	mg/Kg	☼	02/01/13 13:20	02/01/13 19:24	1
Manganese	40.6	B	0.22	0.035	mg/Kg	☼	02/01/13 13:20	02/01/13 19:24	1
Nickel	3.6	J	5.4	0.25	mg/Kg	☼	02/01/13 13:20	02/01/13 19:24	1
Potassium	493		32.6	21.7	mg/Kg	☼	02/01/13 13:20	02/01/13 19:24	1
Selenium	ND		4.3	0.43	mg/Kg	☼	02/01/13 13:20	02/01/13 19:24	1
Silver	ND		0.54	0.22	mg/Kg	☼	02/01/13 13:20	02/01/13 19:24	1
Sodium	131	J	152	14.1	mg/Kg	☼	02/01/13 13:20	02/01/13 19:24	1
Thallium	ND		6.5	0.33	mg/Kg	☼	02/01/13 13:20	02/01/13 19:24	1
Vanadium	4.6		0.54	0.12	mg/Kg	☼	02/01/13 13:20	02/01/13 19:24	1
Zinc	18.2		2.2	0.17	mg/Kg	☼	02/01/13 13:20	02/01/13 19:24	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.022	0.0089	mg/Kg	☼	02/01/13 12:15	02/01/13 13:35	1

Client Sample ID: PE- BASE 1

Lab Sample ID: 480-32354-4

Date Collected: 01/31/13 08:45

Matrix: Solid

Date Received: 02/01/13 09:00

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		52	3.7	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
1,1,2,2-Tetrachloroethane	ND		52	8.4	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		52	12	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
1,1,2-Trichloroethane	ND		52	6.7	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
1,1-Dichloroethane	ND		52	6.3	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
1,1-Dichloroethene	ND		52	6.3	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
1,2,4-Trichlorobenzene	ND		52	3.1	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
1,2-Dibromo-3-Chloropropane	ND		52	26	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
1,2-Dichlorobenzene	ND		52	4.0	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
1,2-Dichloroethane	ND		52	2.6	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
1,2-Dichloropropane	ND		52	26	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
1,3-Dichlorobenzene	ND		52	2.7	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
1,4-Dichlorobenzene	ND		52	7.2	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
2-Hexanone	ND		260	26	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Acetone	ND		260	43	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Benzene	ND		52	2.5	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Bromoform	ND		52	26	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Client Sample ID: PE- BASE 1

Lab Sample ID: 480-32354-4

Date Collected: 01/31/13 08:45

Matrix: Solid

Date Received: 02/01/13 09:00

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		52	4.6	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Carbon disulfide	ND		52	26	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Carbon tetrachloride	ND		52	5.0	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Chlorobenzene	ND		52	6.8	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Dibromochloromethane	ND		52	6.6	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Chloroethane	ND		52	12	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Chloroform	ND		52	3.2	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Chloromethane	ND		52	3.1	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
cis-1,2-Dichloroethene	49	J	52	6.6	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
cis-1,3-Dichloropropene	ND		52	7.4	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Cyclohexane	ND		52	7.2	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Bromodichloromethane	ND		52	6.9	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Dichlorodifluoromethane	ND		52	4.3	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Ethylbenzene	ND		52	3.6	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
1,2-Dibromoethane	ND		52	6.6	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Isopropylbenzene	ND		52	7.8	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Methyl acetate	ND		52	9.6	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
2-Butanone (MEK)	ND		260	19	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
4-Methyl-2-pentanone (MIBK)	ND		260	17	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Methyl tert-butyl ether	ND		52	5.1	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Methylcyclohexane	ND		52	7.8	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Methylene Chloride	ND		52	24	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Styrene	ND		52	2.6	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Tetrachloroethene	ND		52	6.9	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Toluene	ND		52	3.9	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
trans-1,2-Dichloroethene	ND		52	5.3	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
trans-1,3-Dichloropropene	ND		52	23	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Trichloroethene	470		52	11	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Trichlorofluoromethane	ND		52	4.9	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Vinyl chloride	ND		52	6.3	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1
Xylenes, Total	ND		100	8.7	ug/Kg	☼	02/04/13 10:36	02/04/13 16:59	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
N-Propylbenzene	5.7	J	ug/Kg	☼	9.80	103-65-1	02/04/13 10:36	02/04/13 16:59	1
Benzene, 1-ethyl-3-methyl-	60	T J N	ug/Kg	☼	9.88	620-14-4	02/04/13 10:36	02/04/13 16:59	1
1,3,5-Trimethylbenzene	16	J	ug/Kg	☼	9.96	108-67-8	02/04/13 10:36	02/04/13 16:59	1
1,2,4-Trimethylbenzene	56		ug/Kg	☼	10.33	95-63-6	02/04/13 10:36	02/04/13 16:59	1
4-Isopropyltoluene	11	J	ug/Kg	☼	10.60	99-87-6	02/04/13 10:36	02/04/13 16:59	1
n-Butylbenzene	14	J	ug/Kg	☼	10.97	104-51-8	02/04/13 10:36	02/04/13 16:59	1
Naphthalene	14	J	ug/Kg	☼	12.62	91-20-3	02/04/13 10:36	02/04/13 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		64 - 126	02/04/13 10:36	02/04/13 16:59	1
Toluene-d8 (Surr)	110		71 - 125	02/04/13 10:36	02/04/13 16:59	1
4-Bromofluorobenzene (Surr)	117		72 - 126	02/04/13 10:36	02/04/13 16:59	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3880		12.5	5.5	mg/Kg	☼	02/01/13 13:20	02/01/13 19:26	1
Antimony	ND		18.8	0.50	mg/Kg	☼	02/01/13 13:20	02/01/13 19:26	1

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Client Sample ID: PE- BASE 1

Lab Sample ID: 480-32354-4

Date Collected: 01/31/13 08:45

Matrix: Solid

Date Received: 02/01/13 09:00

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.6		2.5	0.50	mg/Kg	☼	02/01/13 13:20	02/01/13 19:26	1
Barium	35.4		0.63	0.14	mg/Kg	☼	02/01/13 13:20	02/01/13 19:26	1
Beryllium	0.18	J	0.25	0.035	mg/Kg	☼	02/01/13 13:20	02/01/13 19:26	1
Cadmium	0.14	J	0.25	0.038	mg/Kg	☼	02/01/13 13:20	02/01/13 19:26	1
Calcium	45000		62.7	4.1	mg/Kg	☼	02/01/13 13:20	02/01/13 19:26	1
Chromium	13.6		0.63	0.25	mg/Kg	☼	02/01/13 13:20	02/01/13 19:26	1
Cobalt	3.4		0.63	0.063	mg/Kg	☼	02/01/13 13:20	02/01/13 19:26	1
Copper	12.2		1.3	0.26	mg/Kg	☼	02/01/13 13:20	02/01/13 19:26	1
Iron	8750		12.5	1.4	mg/Kg	☼	02/01/13 13:20	02/01/13 19:26	1
Lead	5.0		1.3	0.30	mg/Kg	☼	02/01/13 13:20	02/01/13 19:26	1
Magnesium	10300		25.1	1.2	mg/Kg	☼	02/01/13 13:20	02/01/13 19:26	1
Manganese	285	B	0.25	0.040	mg/Kg	☼	02/01/13 13:20	02/01/13 19:26	1
Nickel	8.3		6.3	0.29	mg/Kg	☼	02/01/13 13:20	02/01/13 19:26	1
Potassium	866		37.6	25.1	mg/Kg	☼	02/01/13 13:20	02/01/13 19:26	1
Selenium	ND		5.0	0.50	mg/Kg	☼	02/01/13 13:20	02/01/13 19:26	1
Silver	ND		0.63	0.25	mg/Kg	☼	02/01/13 13:20	02/01/13 19:26	1
Sodium	240		175	16.3	mg/Kg	☼	02/01/13 13:20	02/01/13 19:26	1
Thallium	ND		7.5	0.38	mg/Kg	☼	02/01/13 13:20	02/01/13 19:26	1
Vanadium	9.7		0.63	0.14	mg/Kg	☼	02/01/13 13:20	02/01/13 19:26	1
Zinc	58.7		2.5	0.19	mg/Kg	☼	02/01/13 13:20	02/01/13 19:26	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.023	0.0093	mg/Kg	☼	02/01/13 12:15	02/01/13 13:37	1

Client Sample ID: PE- BASE 2

Lab Sample ID: 480-32354-5

Date Collected: 01/31/13 15:40

Matrix: Solid

Date Received: 02/01/13 09:00

Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.6	0.41	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
1,1,2,2-Tetrachloroethane	ND		5.6	0.91	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.3	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
1,1,2-Trichloroethane	ND		5.6	0.73	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
1,1-Dichloroethane	ND		5.6	0.69	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
1,1-Dichloroethene	ND		5.6	0.69	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
1,2,4-Trichlorobenzene	ND		5.6	0.34	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
1,2-Dibromo-3-Chloropropane	ND		5.6	2.8	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
1,2-Dichlorobenzene	ND		5.6	0.44	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
1,2-Dichloroethane	ND		5.6	0.28	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
1,2-Dichloropropane	ND		5.6	2.8	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
1,3-Dichlorobenzene	ND		5.6	0.29	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
1,4-Dichlorobenzene	ND		5.6	0.79	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
2-Hexanone	ND		28	2.8	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Acetone	44		28	4.7	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Benzene	ND		5.6	0.28	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Bromomethane	ND		5.6	0.51	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Carbon disulfide	ND		5.6	2.8	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Client Sample ID: PE- BASE 2

Lab Sample ID: 480-32354-5

Date Collected: 01/31/13 15:40

Matrix: Solid

Date Received: 02/01/13 09:00

Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.6	0.54	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Chlorobenzene	ND		5.6	0.74	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Dibromochloromethane	ND		5.6	0.72	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Chloroethane	ND		5.6	1.3	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Chloroform	ND		5.6	0.35	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Chloromethane	ND		5.6	0.34	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
cis-1,2-Dichloroethene	45		5.6	0.72	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
cis-1,3-Dichloropropene	ND		5.6	0.81	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Cyclohexane	ND		5.6	0.79	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Bromodichloromethane	ND		5.6	0.75	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Dichlorodifluoromethane	ND		5.6	0.46	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Ethylbenzene	ND		5.6	0.39	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
1,2-Dibromoethane	ND		5.6	0.72	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Isopropylbenzene	ND		5.6	0.85	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Methyl acetate	ND		5.6	1.0	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
2-Butanone (MEK)	ND		28	2.1	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
4-Methyl-2-pentanone (MIBK)	ND		28	1.8	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Methyl tert-butyl ether	ND		5.6	0.55	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Methylcyclohexane	ND		5.6	0.85	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Methylene Chloride	ND		5.6	2.6	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Styrene	ND		5.6	0.28	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Tetrachloroethene	ND		5.6	0.75	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Toluene	ND		5.6	0.43	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
trans-1,2-Dichloroethene	ND		5.6	0.58	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Trichloroethene	46		5.6	1.2	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Trichlorofluoromethane	ND		5.6	0.53	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Vinyl chloride	ND		5.6	0.69	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1
Xylenes, Total	ND		11	0.94	ug/Kg	☼	02/04/13 10:36	02/04/13 16:08	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
N-Propylbenzene	0.47	J	ug/Kg	☼	9.81	103-65-1	02/04/13 10:36	02/04/13 16:08	1
1,3,5-Trimethylbenzene	1.8	J	ug/Kg	☼	9.96	108-67-8	02/04/13 10:36	02/04/13 16:08	1
1,2,4-Trimethylbenzene	6.6		ug/Kg	☼	10.33	95-63-6	02/04/13 10:36	02/04/13 16:08	1
1,2,3-Trimethylbenzene	4.3	J	ug/Kg	☼	10.73	526-73-8	02/04/13 10:36	02/04/13 16:08	1
Naphthalene	3.6	J	ug/Kg	☼	12.62	91-20-3	02/04/13 10:36	02/04/13 16:08	1
Tentatively Identified Compound	None		ug/Kg	☼			02/04/13 10:36	02/04/13 16:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		64 - 126	02/04/13 10:36	02/04/13 16:08	1
Toluene-d8 (Surr)	108		71 - 125	02/04/13 10:36	02/04/13 16:08	1
4-Bromofluorobenzene (Surr)	118		72 - 126	02/04/13 10:36	02/04/13 16:08	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4210		12.1	5.3	mg/Kg	☼	02/01/13 13:20	02/01/13 19:29	1
Antimony	ND		18.2	0.48	mg/Kg	☼	02/01/13 13:20	02/01/13 19:29	1
Arsenic	2.5		2.4	0.48	mg/Kg	☼	02/01/13 13:20	02/01/13 19:29	1
Barium	32.9		0.61	0.13	mg/Kg	☼	02/01/13 13:20	02/01/13 19:29	1
Beryllium	0.19	J	0.24	0.034	mg/Kg	☼	02/01/13 13:20	02/01/13 19:29	1

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Client Sample ID: PE- BASE 2

Lab Sample ID: 480-32354-5

Date Collected: 01/31/13 15:40

Matrix: Solid

Date Received: 02/01/13 09:00

Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.10	J	0.24	0.036	mg/Kg	☼	02/01/13 13:20	02/01/13 19:29	1
Calcium	57000		60.5	4.0	mg/Kg	☼	02/01/13 13:20	02/01/13 19:29	1
Chromium	7.2		0.61	0.24	mg/Kg	☼	02/01/13 13:20	02/01/13 19:29	1
Cobalt	3.5		0.61	0.061	mg/Kg	☼	02/01/13 13:20	02/01/13 19:29	1
Copper	9.8		1.2	0.25	mg/Kg	☼	02/01/13 13:20	02/01/13 19:29	1
Iron	9000		12.1	1.3	mg/Kg	☼	02/01/13 13:20	02/01/13 19:29	1
Lead	5.6		1.2	0.29	mg/Kg	☼	02/01/13 13:20	02/01/13 19:29	1
Magnesium	12300		24.2	1.1	mg/Kg	☼	02/01/13 13:20	02/01/13 19:29	1
Manganese	283	B	0.24	0.039	mg/Kg	☼	02/01/13 13:20	02/01/13 19:29	1
Nickel	9.3		6.1	0.28	mg/Kg	☼	02/01/13 13:20	02/01/13 19:29	1
Potassium	1050		36.3	24.2	mg/Kg	☼	02/01/13 13:20	02/01/13 19:29	1
Selenium	ND		4.8	0.48	mg/Kg	☼	02/01/13 13:20	02/01/13 19:29	1
Silver	ND		0.61	0.24	mg/Kg	☼	02/01/13 13:20	02/01/13 19:29	1
Sodium	210		170	15.7	mg/Kg	☼	02/01/13 13:20	02/01/13 19:29	1
Thallium	ND		7.3	0.36	mg/Kg	☼	02/01/13 13:20	02/01/13 19:29	1
Vanadium	11.0		0.61	0.13	mg/Kg	☼	02/01/13 13:20	02/01/13 19:29	1
Zinc	19.8		2.4	0.19	mg/Kg	☼	02/01/13 13:20	02/01/13 19:29	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.021	0.0084	mg/Kg	☼	02/01/13 12:15	02/01/13 13:38	1

Client Sample ID: PS-1

Lab Sample ID: 480-32354-6

Date Collected: 01/31/13 10:30

Matrix: Solid

Date Received: 02/01/13 09:00

Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		120	33	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
1,1,2,2-Tetrachloroethane	ND		120	19	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		120	59	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
1,1,2-Trichloroethane	ND		120	25	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
1,1-Dichloroethane	ND		120	36	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
1,1-Dichloroethene	1300		120	41	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
1,2,4-Trichlorobenzene	ND		120	45	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
1,2-Dibromo-3-Chloropropane	ND		120	59	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
1,2-Dichlorobenzene	ND		120	30	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
1,2-Dichloroethane	ND		120	48	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
1,2-Dichloropropane	ND		120	19	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
1,3-Dichlorobenzene	ND		120	31	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
1,4-Dichlorobenzene	ND		120	16	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
2-Hexanone	ND		590	240	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Acetone	920		590	480	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Benzene	ND		120	5.7	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Bromoform	ND		120	59	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Bromomethane	ND		120	26	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Carbon disulfide	ND		120	54	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Carbon tetrachloride	ND		120	30	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Chlorobenzene	ND		120	16	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Dibromochloromethane	ND		120	57	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Client Sample ID: PS-1

Lab Sample ID: 480-32354-6

Date Collected: 01/31/13 10:30

Matrix: Solid

Date Received: 02/01/13 09:00

Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		120	25	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Chloroform	ND		120	81	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Chloromethane	ND		120	28	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
cis-1,2-Dichloroethene	180000	E	120	33	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
cis-1,3-Dichloropropene	ND		120	28	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Cyclohexane	ND		120	26	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Bromodichloromethane	ND		120	24	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Dichlorodifluoromethane	ND		120	51	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Ethylbenzene	1000		120	34	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
1,2-Dibromoethane	ND		120	4.5	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Isopropylbenzene	600		120	18	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Methyl acetate	ND		120	56	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
2-Butanone (MEK)	ND		590	350	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
4-Methyl-2-pentanone (MIBK)	ND		590	38	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Methyl tert-butyl ether	ND		120	45	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Methylcyclohexane	ND		120	55	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Methylene Chloride	53	J B	120	23	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Styrene	ND		120	28	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Tetrachloroethene	7500		120	16	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Toluene	2100		120	32	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
trans-1,2-Dichloroethene	140		120	28	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
trans-1,3-Dichloropropene	ND		120	5.7	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Trichloroethene	540000	E	120	33	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Trichlorofluoromethane	ND		120	55	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Vinyl chloride	ND		120	39	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1
Xylenes, Total	4800		240	20	ug/Kg	☼	02/02/13 11:47	02/02/13 14:48	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Octane, 2,6-dimethyl-	7200	T J N	ug/Kg	☼	7.49	2051-30-1	02/02/13 11:47	02/02/13 14:48	1
Cyclohexanone, 2,3-dimethyl-	12000	T J N	ug/Kg	☼	7.60	13395-76-1	02/02/13 11:47	02/02/13 14:48	1
Nonane, 2-methyl-	15000	T J N	ug/Kg	☼	7.80	871-83-0	02/02/13 11:47	02/02/13 14:48	1
Decane	18000	T J N	ug/Kg	☼	8.17	124-18-5	02/02/13 11:47	02/02/13 14:48	1
1,3,5-Trimethylbenzene	6300		ug/Kg	☼	8.21	108-67-8	02/02/13 11:47	02/02/13 14:48	1
1,2,4-Trimethylbenzene	15000	E	ug/Kg	☼	8.52	95-63-6	02/02/13 11:47	02/02/13 14:48	1
1,2,3-Trimethylbenzene	8700		ug/Kg	☼	8.86	526-73-8	02/02/13 11:47	02/02/13 14:48	1
Undecane	11000	T J N	ug/Kg	☼	9.15	1120-21-4	02/02/13 11:47	02/02/13 14:48	1
Benzene, 1-methyl-4-(1-methylethyl)-	4800	T J N	ug/Kg	☼	9.31	99-87-6	02/02/13 11:47	02/02/13 14:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		53 - 146	02/02/13 11:47	02/02/13 14:48	1
Toluene-d8 (Surr)	101		50 - 149	02/02/13 11:47	02/02/13 14:48	1
4-Bromofluorobenzene (Surr)	94		49 - 148	02/02/13 11:47	02/02/13 14:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		59000	16000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
1,1,2,2-Tetrachloroethane	ND		59000	9600	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
1,1,2-Trichloro-1,1,2,2-trifluoroethane	ND		59000	29000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
1,1,2-Trichloroethane	ND		59000	12000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
1,1-Dichloroethane	ND		59000	18000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Client Sample ID: PS-1

Lab Sample ID: 480-32354-6

Date Collected: 01/31/13 10:30

Matrix: Solid

Date Received: 02/01/13 09:00

Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		59000	20000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
1,2,4-Trichlorobenzene	ND		59000	22000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
1,2-Dibromo-3-Chloropropane	ND		59000	29000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
1,2-Dichlorobenzene	ND		59000	15000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
1,2-Dichloroethane	ND		59000	24000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
1,2-Dichloropropane	ND		59000	9500	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
1,3-Dichlorobenzene	ND		59000	16000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
1,4-Dichlorobenzene	ND		59000	8200	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
2-Hexanone	ND		290000	120000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Acetone	ND		290000	240000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Benzene	ND		59000	2800	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Bromoform	ND		59000	29000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Bromomethane	ND		59000	13000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Carbon disulfide	ND		59000	27000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Carbon tetrachloride	ND		59000	15000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Chlorobenzene	ND		59000	7800	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Dibromochloromethane	ND		59000	29000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Chloroethane	ND		59000	12000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Chloroform	ND		59000	40000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Chloromethane	ND		59000	14000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
cis-1,2-Dichloroethene	220000		59000	16000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
cis-1,3-Dichloropropene	ND		59000	14000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Cyclohexane	ND		59000	13000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Bromodichloromethane	ND		59000	12000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Dichlorodifluoromethane	ND		59000	26000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Ethylbenzene	ND		59000	17000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
1,2-Dibromoethane	ND		59000	2200	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Isopropylbenzene	ND		59000	8800	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Methyl acetate	ND		59000	28000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
2-Butanone (MEK)	ND		290000	170000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
4-Methyl-2-pentanone (MIBK)	ND		290000	19000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Methyl tert-butyl ether	ND		59000	22000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Methylcyclohexane	ND		59000	28000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Methylene Chloride	13000	J B	59000	12000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Styrene	ND		59000	14000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Tetrachloroethene	ND		59000	7900	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Toluene	ND		59000	16000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
trans-1,2-Dichloroethene	ND		59000	14000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
trans-1,3-Dichloropropene	ND		59000	2800	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Trichloroethene	410000		59000	16000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Trichlorofluoromethane	ND		59000	28000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Vinyl chloride	ND		59000	20000	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500
Xylenes, Total	ND		120000	9900	ug/Kg	☼	02/02/13 11:47	02/04/13 13:54	500

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			02/02/13 11:47	02/04/13 13:54	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	375	X	53 - 146	02/02/13 11:47	02/04/13 13:54	500
Toluene-d8 (Surr)	276	X	50 - 149	02/02/13 11:47	02/04/13 13:54	500

TestAmerica Buffalo

Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Client Sample ID: PS-1

Lab Sample ID: 480-32354-6

Date Collected: 01/31/13 10:30

Matrix: Solid

Date Received: 02/01/13 09:00

Percent Solids: 85.6

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	416	X	49 - 148	02/02/13 11:47	02/04/13 13:54	500

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5610		11.5	5.0	mg/Kg	☼	02/01/13 13:20	02/01/13 19:31	1
Antimony	ND		17.2	0.46	mg/Kg	☼	02/01/13 13:20	02/01/13 19:31	1
Arsenic	4.6		2.3	0.46	mg/Kg	☼	02/01/13 13:20	02/01/13 19:31	1
Barium	36.3		0.57	0.13	mg/Kg	☼	02/01/13 13:20	02/01/13 19:31	1
Beryllium	0.18	J	0.23	0.032	mg/Kg	☼	02/01/13 13:20	02/01/13 19:31	1
Cadmium	1.4		0.23	0.034	mg/Kg	☼	02/01/13 13:20	02/01/13 19:31	1
Calcium	48700		57.3	3.8	mg/Kg	☼	02/01/13 13:20	02/01/13 19:31	1
Chromium	120		0.57	0.23	mg/Kg	☼	02/01/13 13:20	02/01/13 19:31	1
Cobalt	4.2		0.57	0.057	mg/Kg	☼	02/01/13 13:20	02/01/13 19:31	1
Copper	55.7		1.1	0.24	mg/Kg	☼	02/01/13 13:20	02/01/13 19:31	1
Iron	17900		11.5	1.3	mg/Kg	☼	02/01/13 13:20	02/01/13 19:31	1
Lead	19.1		1.1	0.28	mg/Kg	☼	02/01/13 13:20	02/01/13 19:31	1
Magnesium	11400		22.9	1.1	mg/Kg	☼	02/01/13 13:20	02/01/13 19:31	1
Manganese	618	B	0.23	0.037	mg/Kg	☼	02/01/13 13:20	02/01/13 19:31	1
Nickel	21.3		5.7	0.26	mg/Kg	☼	02/01/13 13:20	02/01/13 19:31	1
Potassium	882		34.4	22.9	mg/Kg	☼	02/01/13 13:20	02/01/13 19:31	1
Selenium	0.57	J	4.6	0.46	mg/Kg	☼	02/01/13 13:20	02/01/13 19:31	1
Silver	ND		0.57	0.23	mg/Kg	☼	02/01/13 13:20	02/01/13 19:31	1
Sodium	840		161	14.9	mg/Kg	☼	02/01/13 13:20	02/01/13 19:31	1
Thallium	ND		6.9	0.34	mg/Kg	☼	02/01/13 13:20	02/01/13 19:31	1
Vanadium	13.6		0.57	0.13	mg/Kg	☼	02/01/13 13:20	02/01/13 19:31	1
Zinc	423		2.3	0.18	mg/Kg	☼	02/01/13 13:20	02/01/13 19:31	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.021	0.0086	mg/Kg	☼	02/01/13 12:15	02/01/13 13:40	1

Surrogate Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (64-126)	TOL (71-125)	BFB (72-126)
480-32354-1	PE-4 6-7	104	109	118
480-32354-2	PE-5 6-7	105	109	117
480-32354-3	PE-6 6-7	106	109	117
480-32354-4	PE- BASE 1	101	110	117
480-32354-5	PE- BASE 2	106	108	118
LCS 480-102070/4	Lab Control Sample	102	109	116
MB 480-102070/12	Method Blank	100	110	115

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (53-146)	TOL (50-149)	BFB (49-148)
480-32354-6	PS-1	109	101	94
480-32354-6 - DL	PS-1	375 X	276 X	416 X
LCS 480-101996/1-A	Lab Control Sample	121	119	112
MB 480-101996/2-A	Method Blank	116	123	110

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

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

Lab Sample ID: MB 480-101996/2-A

Matrix: Solid

Analysis Batch: 101984

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101996

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
1,1,2-Trichloroethane	ND		100	21	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
1,1-Dichloroethane	ND		100	31	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
1,1-Dichloroethene	ND		100	35	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
1,2-Dichlorobenzene	ND		100	26	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
1,2-Dichloroethane	ND		100	41	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
1,2-Dichloropropane	ND		100	16	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
1,3-Dichlorobenzene	ND		100	27	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
1,4-Dichlorobenzene	ND		100	14	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
2-Hexanone	ND		500	210	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Acetone	ND		500	410	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Benzene	ND		100	4.8	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Bromoform	ND		100	50	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Bromomethane	ND		100	22	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Carbon disulfide	ND		100	46	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Carbon tetrachloride	ND		100	26	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Chlorobenzene	ND		100	13	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Dibromochloromethane	ND		100	48	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Chloroethane	ND		100	21	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Chloroform	ND		100	69	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Chloromethane	ND		100	24	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
cis-1,2-Dichloroethene	ND		100	28	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Cyclohexane	ND		100	22	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Bromodichloromethane	ND		100	20	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Dichlorodifluoromethane	ND		100	44	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Ethylbenzene	ND		100	29	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
1,2-Dibromoethane	ND		100	3.8	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Isopropylbenzene	ND		100	15	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Methyl acetate	ND		100	48	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
2-Butanone (MEK)	ND		500	300	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Methylcyclohexane	ND		100	47	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Methylene Chloride	46.8	J	100	20	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Styrene	ND		100	24	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Tetrachloroethene	ND		100	13	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Toluene	ND		100	27	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
trans-1,3-Dichloropropene	ND		100	4.8	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Trichloroethene	ND		100	28	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Trichlorofluoromethane	ND		100	47	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Vinyl chloride	ND		100	34	ug/Kg		02/02/13 11:47	02/02/13 14:27	1
Xylenes, Total	ND		200	17	ug/Kg		02/02/13 11:47	02/02/13 14:27	1

TestAmerica Buffalo

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

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

Lab Sample ID: MB 480-101996/2-A

Matrix: Solid

Analysis Batch: 101984

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101996

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Unknown	256	T J	ug/Kg		1.71		02/02/13 11:47	02/02/13 14:27	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	116		53 - 146	02/02/13 11:47	02/02/13 14:27	1
Toluene-d8 (Surr)	123		50 - 149	02/02/13 11:47	02/02/13 14:27	1
4-Bromofluorobenzene (Surr)	110		49 - 148	02/02/13 11:47	02/02/13 14:27	1

Lab Sample ID: LCS 480-101996/1-A

Matrix: Solid

Analysis Batch: 101984

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101996

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
1,1-Dichloroethane	2500	2960		ug/Kg		118	82 - 138	
1,1-Dichloroethene	2500	2190		ug/Kg		88	54 - 144	
1,2-Dichlorobenzene	2500	3020		ug/Kg		121	92 - 135	
1,2-Dichloroethane	2500	3070		ug/Kg		123	87 - 131	
Benzene	2500	3050		ug/Kg		122	75 - 131	
Chlorobenzene	2500	3120		ug/Kg		125	80 - 127	
cis-1,2-Dichloroethene	2500	2990		ug/Kg		119	87 - 136	
Ethylbenzene	2500	3100		ug/Kg		124	95 - 139	
Methyl tert-butyl ether	2500	2800		ug/Kg		112	67 - 137	
Tetrachloroethene	2500	3160		ug/Kg		126	72 - 141	
Toluene	2500	3060		ug/Kg		122	76 - 133	
trans-1,2-Dichloroethene	2500	2570		ug/Kg		103	81 - 147	
Trichloroethene	2500	3050		ug/Kg		122	77 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	121		53 - 146
Toluene-d8 (Surr)	119		50 - 149
4-Bromofluorobenzene (Surr)	112		49 - 148

Lab Sample ID: MB 480-102070/12

Matrix: Solid

Analysis Batch: 102070

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg			02/04/13 14:42	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg			02/04/13 14:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg			02/04/13 14:42	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg			02/04/13 14:42	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg			02/04/13 14:42	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg			02/04/13 14:42	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg			02/04/13 14:42	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg			02/04/13 14:42	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg			02/04/13 14:42	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg			02/04/13 14:42	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg			02/04/13 14:42	1

TestAmerica Buffalo

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

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

Lab Sample ID: MB 480-102070/12

Matrix: Solid

Analysis Batch: 102070

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg			02/04/13 14:42	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg			02/04/13 14:42	1
2-Hexanone	ND		25	2.5	ug/Kg			02/04/13 14:42	1
Acetone	ND		25	4.2	ug/Kg			02/04/13 14:42	1
Benzene	ND		5.0	0.25	ug/Kg			02/04/13 14:42	1
Bromoform	ND		5.0	2.5	ug/Kg			02/04/13 14:42	1
Bromomethane	ND		5.0	0.45	ug/Kg			02/04/13 14:42	1
Carbon disulfide	ND		5.0	2.5	ug/Kg			02/04/13 14:42	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg			02/04/13 14:42	1
Chlorobenzene	ND		5.0	0.66	ug/Kg			02/04/13 14:42	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg			02/04/13 14:42	1
Chloroethane	ND		5.0	1.1	ug/Kg			02/04/13 14:42	1
Chloroform	ND		5.0	0.31	ug/Kg			02/04/13 14:42	1
Chloromethane	ND		5.0	0.30	ug/Kg			02/04/13 14:42	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg			02/04/13 14:42	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg			02/04/13 14:42	1
Cyclohexane	ND		5.0	0.70	ug/Kg			02/04/13 14:42	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg			02/04/13 14:42	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg			02/04/13 14:42	1
Ethylbenzene	ND		5.0	0.35	ug/Kg			02/04/13 14:42	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg			02/04/13 14:42	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg			02/04/13 14:42	1
Methyl acetate	ND		5.0	0.93	ug/Kg			02/04/13 14:42	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg			02/04/13 14:42	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg			02/04/13 14:42	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg			02/04/13 14:42	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg			02/04/13 14:42	1
Methylene Chloride	ND		5.0	2.3	ug/Kg			02/04/13 14:42	1
Styrene	ND		5.0	0.25	ug/Kg			02/04/13 14:42	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg			02/04/13 14:42	1
Toluene	ND		5.0	0.38	ug/Kg			02/04/13 14:42	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg			02/04/13 14:42	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			02/04/13 14:42	1
Trichloroethene	ND		5.0	1.1	ug/Kg			02/04/13 14:42	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg			02/04/13 14:42	1
Vinyl chloride	ND		5.0	0.61	ug/Kg			02/04/13 14:42	1
Xylenes, Total	ND		10	0.84	ug/Kg			02/04/13 14:42	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg					02/04/13 14:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 126		02/04/13 14:42	1
Toluene-d8 (Surr)	110		71 - 125		02/04/13 14:42	1
4-Bromofluorobenzene (Surr)	115		72 - 126		02/04/13 14:42	1

TestAmerica Buffalo

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

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

Lab Sample ID: LCS 480-102070/4

Matrix: Solid

Analysis Batch: 102070

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	45.6		ug/Kg		91	73 - 126
1,1-Dichloroethene	50.0	44.4		ug/Kg		89	59 - 125
1,2-Dichlorobenzene	50.0	47.9		ug/Kg		96	75 - 120
1,2-Dichloroethane	50.0	46.4		ug/Kg		93	77 - 122
Benzene	50.0	46.1		ug/Kg		92	79 - 127
Chlorobenzene	50.0	47.3		ug/Kg		95	76 - 124
cis-1,2-Dichloroethene	50.0	46.8		ug/Kg		94	81 - 117
Ethylbenzene	50.0	47.2		ug/Kg		94	80 - 120
Methyl tert-butyl ether	50.0	49.3		ug/Kg		99	63 - 125
Tetrachloroethene	50.0	46.1		ug/Kg		92	74 - 122
Toluene	50.0	46.4		ug/Kg		93	74 - 128
trans-1,2-Dichloroethene	50.0	46.7		ug/Kg		93	78 - 126
Trichloroethene	50.0	46.1		ug/Kg		92	77 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		64 - 126
Toluene-d8 (Surr)	109		71 - 125
4-Bromofluorobenzene (Surr)	116		72 - 126

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 480-101889/1-A

Matrix: Solid

Analysis Batch: 102083

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101889

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		10.4	4.6	mg/Kg		02/01/13 13:20	02/01/13 19:10	1
Antimony	ND		15.6	0.42	mg/Kg		02/01/13 13:20	02/01/13 19:10	1
Arsenic	ND		2.1	0.42	mg/Kg		02/01/13 13:20	02/01/13 19:10	1
Barium	ND		0.52	0.11	mg/Kg		02/01/13 13:20	02/01/13 19:10	1
Beryllium	ND		0.21	0.029	mg/Kg		02/01/13 13:20	02/01/13 19:10	1
Cadmium	ND		0.21	0.031	mg/Kg		02/01/13 13:20	02/01/13 19:10	1
Calcium	ND		52.0	3.4	mg/Kg		02/01/13 13:20	02/01/13 19:10	1
Chromium	ND		0.52	0.21	mg/Kg		02/01/13 13:20	02/01/13 19:10	1
Cobalt	ND		0.52	0.052	mg/Kg		02/01/13 13:20	02/01/13 19:10	1
Copper	ND		1.0	0.22	mg/Kg		02/01/13 13:20	02/01/13 19:10	1
Iron	ND		10.4	1.1	mg/Kg		02/01/13 13:20	02/01/13 19:10	1
Lead	ND		1.0	0.25	mg/Kg		02/01/13 13:20	02/01/13 19:10	1
Magnesium	ND		20.8	0.96	mg/Kg		02/01/13 13:20	02/01/13 19:10	1
Manganese	0.0478	J	0.21	0.033	mg/Kg		02/01/13 13:20	02/01/13 19:10	1
Nickel	ND		5.2	0.24	mg/Kg		02/01/13 13:20	02/01/13 19:10	1
Potassium	ND		31.2	20.8	mg/Kg		02/01/13 13:20	02/01/13 19:10	1
Selenium	ND		4.2	0.42	mg/Kg		02/01/13 13:20	02/01/13 19:10	1
Silver	ND		0.52	0.21	mg/Kg		02/01/13 13:20	02/01/13 19:10	1
Sodium	ND		146	13.5	mg/Kg		02/01/13 13:20	02/01/13 19:10	1
Thallium	ND		6.2	0.31	mg/Kg		02/01/13 13:20	02/01/13 19:10	1
Vanadium	ND		0.52	0.11	mg/Kg		02/01/13 13:20	02/01/13 19:10	1

TestAmerica Buffalo

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

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

Lab Sample ID: MB 480-101889/1-A
Matrix: Solid
Analysis Batch: 102083

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 101889

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		2.1	0.16	mg/Kg		02/01/13 13:20	02/01/13 19:10	1

Lab Sample ID: LCSSRM 480-101889/2-A
Matrix: Solid
Analysis Batch: 102083

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 101889

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8450	6789		mg/Kg		80.3	40.4 - 159.1
Antimony	94.0	76.98		mg/Kg		81.9	8.2 - 191.6
Arsenic	95.6	93.03		mg/Kg		97.3	82.2 - 117.5
Barium	168	163.0		mg/Kg		97.1	83.1 - 116.3
Beryllium	53.2	53.67		mg/Kg		100.9	83.8 - 116.2
Cadmium	60.6	59.32		mg/Kg		97.9	84.0 - 115.9
Calcium	6230	5734		mg/Kg		92.0	82.3 - 117.5
Chromium	70.1	65.29		mg/Kg		93.2	81.4 - 118.6
Cobalt	102	104.0		mg/Kg		101.8	83.8 - 115.8
Copper	78.9	79.41		mg/Kg		100.7	83.7 - 116.2
Iron	12900	10110		mg/Kg		78.1	50.6 - 149.2
Lead	92.7	90.60		mg/Kg		97.7	82.4 - 117.8
Magnesium	3060	2711		mg/Kg		88.5	76.2 - 123.8
Manganese	286	261.7		mg/Kg		91.4	81.6 - 118.0
Nickel	57.2	58.56		mg/Kg		102.3	82.2 - 117.8
Potassium	3860	3659		mg/Kg		94.7	73.6 - 126.4
Selenium	161	158.1		mg/Kg		98.3	79.2 - 120.8
Silver	34.3	33.74		mg/Kg		98.4	66.4 - 133.9
Sodium	659	642.2		mg/Kg		97.4	73.6 - 126.2
Thallium	120	121.3		mg/Kg		100.8	81.1 - 119.3
Vanadium	56.9	52.16		mg/Kg		91.6	72.8 - 127.2
Zinc	139	130.9		mg/Kg		94.5	81.0 - 119.0

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

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

Lab Sample ID: 480-32354-6 MS

Matrix: Solid

Analysis Batch: 102083

Client Sample ID: PS-1

Prep Type: Total/NA

Prep Batch: 101889

Analyte	Sample	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec.	
	Result			Qualifier	Result				Qualifier	Limits
Aluminum	5610		2170	7491		mg/Kg	☼	87	75 - 125	
Antimony	ND		43.4	39.27		mg/Kg	☼	91	75 - 125	
Arsenic	4.6		43.4	46.83		mg/Kg	☼	97	75 - 125	
Barium	36.3		43.4	79.57		mg/Kg	☼	100	75 - 125	
Beryllium	0.18	J	43.4	41.97		mg/Kg	☼	96	75 - 125	
Cadmium	1.4		43.4	44.13		mg/Kg	☼	99	75 - 125	
Calcium	48700		2170	45340	4	mg/Kg	☼	-155	75 - 125	
Chromium	120		43.4	195.5	F	mg/Kg	☼	174	75 - 125	
Cobalt	4.2		43.4	47.62		mg/Kg	☼	100	75 - 125	
Copper	55.7		43.4	133.6	F	mg/Kg	☼	179	75 - 125	
Iron	17900		2170	16960	4	mg/Kg	☼	-42	75 - 125	
Lead	19.1		43.4	61.12		mg/Kg	☼	97	75 - 125	
Magnesium	11400		2170	10540	4	mg/Kg	☼	-39	75 - 125	
Manganese	618	B	43.4	356.6	4	mg/Kg	☼	-603	75 - 125	
Nickel	21.3		43.4	62.75		mg/Kg	☼	96	75 - 125	
Potassium	882		2170	3168		mg/Kg	☼	105	75 - 125	
Selenium	0.57	J	43.4	43.55		mg/Kg	☼	99	75 - 125	
Silver	ND		10.8	11.85		mg/Kg	☼	109	75 - 125	
Sodium	840		2170	3232		mg/Kg	☼	110	75 - 125	
Thallium	ND		43.4	40.85		mg/Kg	☼	94	75 - 125	
Vanadium	13.6		43.4	53.68		mg/Kg	☼	92	75 - 125	
Zinc	423		43.4	492.5	4	mg/Kg	☼	160	75 - 125	

Lab Sample ID: 480-32354-6 MSD

Matrix: Solid

Analysis Batch: 102083

Client Sample ID: PS-1

Prep Type: Total/NA

Prep Batch: 101889

Analyte	Sample	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec.		RPD	
	Result			Qualifier	Result				Qualifier	Limits	RPD	Limit
Aluminum	5610		2140	7023	F	mg/Kg	☼	66	75 - 125	6	20	
Antimony	ND		42.8	38.63		mg/Kg	☼	90	75 - 125	2	20	
Arsenic	4.6		42.8	45.57		mg/Kg	☼	96	75 - 125	3	20	
Barium	36.3		42.8	67.11	F	mg/Kg	☼	72	75 - 125	17	20	
Beryllium	0.18	J	42.8	40.48		mg/Kg	☼	94	75 - 125	4	20	
Cadmium	1.4		42.8	41.86		mg/Kg	☼	95	75 - 125	5	20	
Calcium	48700		2140	46160	4	mg/Kg	☼	-119	75 - 125	2	20	
Chromium	120		42.8	146.9	F	mg/Kg	☼	64	75 - 125	28	20	
Cobalt	4.2		42.8	46.21		mg/Kg	☼	98	75 - 125	3	20	
Copper	55.7		42.8	83.30	F	mg/Kg	☼	64	75 - 125	46	20	
Iron	17900		2140	14830	4	mg/Kg	☼	-142	75 - 125	13	20	
Lead	19.1		42.8	52.48		mg/Kg	☼	78	75 - 125	15	20	
Magnesium	11400		2140	11170	4	mg/Kg	☼	-10	75 - 125	6	20	
Manganese	618	B	42.8	381.1	4	mg/Kg	☼	-554	75 - 125	7	20	
Nickel	21.3		42.8	59.42		mg/Kg	☼	89	75 - 125	5	20	
Potassium	882		2140	2887		mg/Kg	☼	94	75 - 125	9	20	
Selenium	0.57	J	42.8	41.44		mg/Kg	☼	96	75 - 125	5	20	
Silver	ND		10.7	11.10		mg/Kg	☼	104	75 - 125	7	20	
Sodium	840		2140	2548	F	mg/Kg	☼	80	75 - 125	24	20	
Thallium	ND		42.8	39.91		mg/Kg	☼	93	75 - 125	2	20	

TestAmerica Buffalo

QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

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

Lab Sample ID: 480-32354-6 MSD
Matrix: Solid
Analysis Batch: 102083

Client Sample ID: PS-1
Prep Type: Total/NA
Prep Batch: 101889

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vanadium	13.6		42.8	53.88		mg/Kg	*	94	75 - 125	0	20
Zinc	423		42.8	361.2	4 F	mg/Kg	*	-145	75 - 125	31	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 480-101890/1-A
Matrix: Solid
Analysis Batch: 101913

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 101890

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0083	mg/Kg		02/01/13 12:15	02/01/13 13:24	1

Lab Sample ID: LCDSRM 480-101890/3-A LCDSRM
Matrix: Solid
Analysis Batch: 101913

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 101890

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	3.77	3.13		mg/Kg		83.0	50.9 - 149.	27	30
								1	

Lab Sample ID: LCSSRM 480-101890/2-A
Matrix: Solid
Analysis Batch: 101913

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 101890

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	3.77	4.10		mg/Kg		108.7	50.9 - 149.		
								1	

QC Association Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

GC/MS VOA

Analysis Batch: 101984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-32354-6	PS-1	Total/NA	Solid	8260B	101996
LCS 480-101996/1-A	Lab Control Sample	Total/NA	Solid	8260B	101996
MB 480-101996/2-A	Method Blank	Total/NA	Solid	8260B	101996

Prep Batch: 101996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-32354-6	PS-1	Total/NA	Solid	5035	
480-32354-6 - DL	PS-1	Total/NA	Solid	5035	
LCS 480-101996/1-A	Lab Control Sample	Total/NA	Solid	5035	
MB 480-101996/2-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 102070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-32354-1	PE-4 6-7	Total/NA	Solid	8260B	102092
480-32354-2	PE-5 6-7	Total/NA	Solid	8260B	102092
480-32354-3	PE-6 6-7	Total/NA	Solid	8260B	102092
480-32354-4	PE- BASE 1	Total/NA	Solid	8260B	102092
480-32354-5	PE- BASE 2	Total/NA	Solid	8260B	102092
LCS 480-102070/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-102070/12	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 102090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-32354-6 - DL	PS-1	Total/NA	Solid	8260B	101996

Prep Batch: 102092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-32354-1	PE-4 6-7	Total/NA	Solid	5035	
480-32354-2	PE-5 6-7	Total/NA	Solid	5035	
480-32354-3	PE-6 6-7	Total/NA	Solid	5035	
480-32354-4	PE- BASE 1	Total/NA	Solid	5035	
480-32354-5	PE- BASE 2	Total/NA	Solid	5035	

Metals

Prep Batch: 101889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-32354-1	PE-4 6-7	Total/NA	Solid	3050B	
480-32354-2	PE-5 6-7	Total/NA	Solid	3050B	
480-32354-3	PE-6 6-7	Total/NA	Solid	3050B	
480-32354-4	PE- BASE 1	Total/NA	Solid	3050B	
480-32354-5	PE- BASE 2	Total/NA	Solid	3050B	
480-32354-6	PS-1	Total/NA	Solid	3050B	
480-32354-6 MS	PS-1	Total/NA	Solid	3050B	
480-32354-6 MSD	PS-1	Total/NA	Solid	3050B	
LCSSRM 480-101889/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-101889/1-A	Method Blank	Total/NA	Solid	3050B	

TestAmerica Buffalo

QC Association Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Metals (Continued)

Prep Batch: 101890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-32354-1	PE-4 6-7	Total/NA	Solid	7471A	
480-32354-2	PE-5 6-7	Total/NA	Solid	7471A	
480-32354-3	PE-6 6-7	Total/NA	Solid	7471A	
480-32354-4	PE- BASE 1	Total/NA	Solid	7471A	
480-32354-5	PE- BASE 2	Total/NA	Solid	7471A	
480-32354-6	PS-1	Total/NA	Solid	7471A	
LCDSRM 480-101890/3-A LCDS	Lab Control Sample Dup	Total/NA	Solid	7471A	
LCSSRM 480-101890/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 480-101890/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 101913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-32354-1	PE-4 6-7	Total/NA	Solid	7471A	101890
480-32354-2	PE-5 6-7	Total/NA	Solid	7471A	101890
480-32354-3	PE-6 6-7	Total/NA	Solid	7471A	101890
480-32354-4	PE- BASE 1	Total/NA	Solid	7471A	101890
480-32354-5	PE- BASE 2	Total/NA	Solid	7471A	101890
480-32354-6	PS-1	Total/NA	Solid	7471A	101890
LCDSRM 480-101890/3-A LCDS	Lab Control Sample Dup	Total/NA	Solid	7471A	101890
LCSSRM 480-101890/2-A	Lab Control Sample	Total/NA	Solid	7471A	101890
MB 480-101890/1-A	Method Blank	Total/NA	Solid	7471A	101890

Analysis Batch: 102083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-32354-1	PE-4 6-7	Total/NA	Solid	6010B	101889
480-32354-2	PE-5 6-7	Total/NA	Solid	6010B	101889
480-32354-3	PE-6 6-7	Total/NA	Solid	6010B	101889
480-32354-4	PE- BASE 1	Total/NA	Solid	6010B	101889
480-32354-5	PE- BASE 2	Total/NA	Solid	6010B	101889
480-32354-6	PS-1	Total/NA	Solid	6010B	101889
480-32354-6 MS	PS-1	Total/NA	Solid	6010B	101889
480-32354-6 MSD	PS-1	Total/NA	Solid	6010B	101889
LCSSRM 480-101889/2-A	Lab Control Sample	Total/NA	Solid	6010B	101889
MB 480-101889/1-A	Method Blank	Total/NA	Solid	6010B	101889

Analysis Batch: 102115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-32354-2	PE-5 6-7	Total/NA	Solid	6010B	101889

General Chemistry

Analysis Batch: 102015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-32354-1	PE-4 6-7	Total/NA	Solid	Moisture	
480-32354-2	PE-5 6-7	Total/NA	Solid	Moisture	
480-32354-3	PE-6 6-7	Total/NA	Solid	Moisture	
480-32354-4	PE- BASE 1	Total/NA	Solid	Moisture	
480-32354-5	PE- BASE 2	Total/NA	Solid	Moisture	
480-32354-6	PS-1	Total/NA	Solid	Moisture	

TestAmerica Buffalo

Lab Chronicle

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Client Sample ID: PE-4 6-7

Date Collected: 01/31/13 14:20

Date Received: 02/01/13 09:00

Lab Sample ID: 480-32354-1

Matrix: Solid
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			102092	02/04/13 10:36	RJ	TAL BUF
Total/NA	Analysis	8260B		1	102070	02/04/13 15:17	CDC	TAL BUF
Total/NA	Prep	7471A			101890	02/01/13 12:15	JRK	TAL BUF
Total/NA	Analysis	7471A		1	101913	02/01/13 13:31	JRK	TAL BUF
Total/NA	Prep	3050B			101889	02/01/13 13:20	JM	TAL BUF
Total/NA	Analysis	6010B		1	102083	02/01/13 19:20	LH	TAL BUF
Total/NA	Analysis	Moisture		1	102015	02/02/13 16:19	ZLR	TAL BUF

Client Sample ID: PE-5 6-7

Date Collected: 01/31/13 14:30

Date Received: 02/01/13 09:00

Lab Sample ID: 480-32354-2

Matrix: Solid
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			102092	02/04/13 10:36	RJ	TAL BUF
Total/NA	Analysis	8260B		1	102070	02/04/13 16:33	CDC	TAL BUF
Total/NA	Prep	7471A			101890	02/01/13 12:15	JRK	TAL BUF
Total/NA	Analysis	7471A		1	101913	02/01/13 13:33	JRK	TAL BUF
Total/NA	Prep	3050B			101889	02/01/13 13:20	JM	TAL BUF
Total/NA	Analysis	6010B		1	102083	02/01/13 19:22	LH	TAL BUF
Total/NA	Analysis	6010B		2	102115	02/04/13 11:34	LH	TAL BUF
Total/NA	Analysis	Moisture		1	102015	02/02/13 16:19	ZLR	TAL BUF

Client Sample ID: PE-6 6-7

Date Collected: 01/31/13 15:35

Date Received: 02/01/13 09:00

Lab Sample ID: 480-32354-3

Matrix: Solid
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			102092	02/04/13 10:36	RJ	TAL BUF
Total/NA	Analysis	8260B		1	102070	02/04/13 15:42	CDC	TAL BUF
Total/NA	Prep	7471A			101890	02/01/13 12:15	JRK	TAL BUF
Total/NA	Analysis	7471A		1	101913	02/01/13 13:35	JRK	TAL BUF
Total/NA	Prep	3050B			101889	02/01/13 13:20	JM	TAL BUF
Total/NA	Analysis	6010B		1	102083	02/01/13 19:24	LH	TAL BUF
Total/NA	Analysis	Moisture		1	102015	02/02/13 16:19	ZLR	TAL BUF

Client Sample ID: PE- BASE 1

Date Collected: 01/31/13 08:45

Date Received: 02/01/13 09:00

Lab Sample ID: 480-32354-4

Matrix: Solid
Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			102092	02/04/13 10:36	RJ	TAL BUF
Total/NA	Analysis	8260B		1	102070	02/04/13 16:59	CDC	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Client Sample ID: PE- BASE 1

Lab Sample ID: 480-32354-4

Date Collected: 01/31/13 08:45

Matrix: Solid

Date Received: 02/01/13 09:00

Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			101890	02/01/13 12:15	JRK	TAL BUF
Total/NA	Analysis	7471A		1	101913	02/01/13 13:37	JRK	TAL BUF
Total/NA	Prep	3050B			101889	02/01/13 13:20	JM	TAL BUF
Total/NA	Analysis	6010B		1	102083	02/01/13 19:26	LH	TAL BUF
Total/NA	Analysis	Moisture		1	102015	02/02/13 16:19	ZLR	TAL BUF

Client Sample ID: PE- BASE 2

Lab Sample ID: 480-32354-5

Date Collected: 01/31/13 15:40

Matrix: Solid

Date Received: 02/01/13 09:00

Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			102092	02/04/13 10:36	RJ	TAL BUF
Total/NA	Analysis	8260B		1	102070	02/04/13 16:08	CDC	TAL BUF
Total/NA	Prep	7471A			101890	02/01/13 12:15	JRK	TAL BUF
Total/NA	Analysis	7471A		1	101913	02/01/13 13:38	JRK	TAL BUF
Total/NA	Prep	3050B			101889	02/01/13 13:20	JM	TAL BUF
Total/NA	Analysis	6010B		1	102083	02/01/13 19:29	LH	TAL BUF
Total/NA	Analysis	Moisture		1	102015	02/02/13 16:19	ZLR	TAL BUF

Client Sample ID: PS-1

Lab Sample ID: 480-32354-6

Date Collected: 01/31/13 10:30

Matrix: Solid

Date Received: 02/01/13 09:00

Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			101996	02/02/13 11:47	TRF	TAL BUF
Total/NA	Analysis	8260B		1	101984	02/02/13 14:48	LH	TAL BUF
Total/NA	Prep	5035	DL		101996	02/02/13 11:47	TRF	TAL BUF
Total/NA	Analysis	8260B	DL	500	102090	02/04/13 13:54	TRF	TAL BUF
Total/NA	Prep	7471A			101890	02/01/13 12:15	JRK	TAL BUF
Total/NA	Analysis	7471A		1	101913	02/01/13 13:40	JRK	TAL BUF
Total/NA	Prep	3050B			101889	02/01/13 13:20	JM	TAL BUF
Total/NA	Analysis	6010B		1	102083	02/01/13 19:31	LH	TAL BUF
Total/NA	Analysis	Moisture		1	102015	02/02/13 16:19	ZLR	TAL BUF

Laboratory References:

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

Certification Summary

Client: HRP Associates, Inc.
 Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAP	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13
Georgia	State Program	4	956	06-30-13
Georgia	State Program	4	956	06-30-13
Illinois	NELAP	5	200003	09-30-13
Iowa	State Program	7	374	03-01-13
Kansas	NELAP	7	E-10187	01-31-13
Kentucky	State Program	4	90029	12-31-13
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAP	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-13
Maryland	State Program	3	294	03-31-13
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13
Minnesota	NELAP	5	036-999-337	12-31-13
New Hampshire	NELAP	1	2973	09-11-13
New Hampshire	NELAP	1	2337	11-17-13
New Jersey	NELAP	2	NY455	06-30-13
New York	NELAP	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAP	10	NY200003	06-09-13
Pennsylvania	NELAP	3	68-00281	07-31-13
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAP	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-13
Washington	State Program	10	C784	02-10-13
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	08-31-13

Method Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010B	Metals (ICP)	SW846	TAL BUF
7471A	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	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: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32354-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-32354-1	PE-4 6-7	Solid	01/31/13 14:20	02/01/13 09:00
480-32354-2	PE-5 6-7	Solid	01/31/13 14:30	02/01/13 09:00
480-32354-3	PE-6 6-7	Solid	01/31/13 15:35	02/01/13 09:00
480-32354-4	PE- BASE 1	Solid	01/31/13 08:45	02/01/13 09:00
480-32354-5	PE- BASE 2	Solid	01/31/13 15:40	02/01/13 09:00
480-32354-6	PS-1	Solid	01/31/13 10:30	02/01/13 09:00

TestAmerica

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Temperature on Receipt _____

Drinking Water? Yes No

Chain of Custody Record

TAL-4124 (1007)

Client HPR Associates, Inc.		Project Manager CLC		Date 1/31/13		Chain of Custody Number 241411								
Address 1 Fouchard St. 5E 110		Telephone Number (Area Code)/Fax Number 518-577-7101		Lab Number		Page 1 of 1								
City Clifton Park		State NY		Zip Code 12065		Analysis (Attach list if more space is needed)								
Project Name and Location (State) Partners 5 Mtg.		Site Contact P. J. G. G. G.		Lab Contact		Special Instructions/ Conditions of Receipt								
Contract/Purchase Order/Quote No. NEW 9024.12 13		Carrier/Maybill Number												
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives						
			Air	Aqueous	Sed			Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	HORN ZnAc
PE-4 6-7	1/31/13	1420						X	3					
PE-5 6-7		1430				X	3							
PE-6 6-7		1535				X	3							
PE base 1		815				X	3							
PE base 2		510				X	3							
PS-1		1030				X	3							

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For _____ Months _____ (A fee may be assessed if samples are retained longer than 1 month)

Sample Disposal
 24 Hours 48 Hours 7 Days 14 Days 21 Days Other _____

Turn Around Time Required
 24 Hours 48 Hours 7 Days 14 Days 21 Days Other _____

1. Relinquished By _____ Date **1/31/13** Time **1705**
 2. Relinquished By _____ Date _____ Time _____
 3. Relinquished By _____ Date _____ Time _____

1. Received By **Georgy G. Polun** Date **2/1/13** Time **0900**
 2. Received By _____ Date _____ Time _____
 3. Received By _____ Date _____ Time _____

Comments
#3 6-1.6

DISTRIBUTION: WHITE - Returned to Client with Report. CANARY - Stays with the Sample. PINK - Field Copy



Login Sample Receipt Checklist

Client: HRP Associates, Inc.

Job Number: 480-32354-1

Login Number: 32354

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl

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.	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	
Samples received within 48 hours of sampling.	True	HRP
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: 480-32558-1

Client Project/Site: Barthelmes Manufacturing

For:

HRP Associates, Inc.
1 Fairchild Square
Suite 110
Clifton Park, New York 12065

Attn: Patrick C Rodman

Melissa Deyo

Authorized for release by:
2/7/2013 4:43:40 PM

Melissa Deyo
Project Manager I
melissa.deyo@testamericainc.com

Designee for

John Schove
Project Manager I
john.schove@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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Definitions/Glossary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32558-1

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
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
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)

Detection Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32558-1

Client Sample ID: X2-BOTTOM 7

Lab Sample ID: 480-32558-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.5		1.8	0.36	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

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Client Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32558-1

Client Sample ID: X2-BOTTOM 7

Lab Sample ID: 480-32558-1

Date Collected: 02/05/13 15:55

Matrix: Solid

Date Received: 02/06/13 09:00

Method: 6010B - Inductively Coupled Plasma - Atomic Emission Spectrometry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.5		1.8	0.36	mg/Kg		02/06/13 11:50	02/06/13 19:37	1

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QC Sample Results

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32558-1

Method: 6010B - Inductively Coupled Plasma - Atomic Emission Spectrometry

Lab Sample ID: MB 480-102456/1-A
Matrix: Solid
Analysis Batch: 102557

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102456

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.8	0.36	mg/Kg		02/06/13 11:50	02/06/13 19:33	1

Lab Sample ID: LCSSRM 480-102456/2-A
Matrix: Solid
Analysis Batch: 102557

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102456

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	182	188.0		mg/Kg		103.4	70.9 - 129.7

Lab Sample ID: 480-32558-1 MS
Matrix: Solid
Analysis Batch: 102557

Client Sample ID: X2-BOTTOM 7
Prep Type: Total/NA
Prep Batch: 102456

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2.5		43.5	45.50		mg/Kg		99	75 - 125

Lab Sample ID: 480-32558-1 MSD
Matrix: Solid
Analysis Batch: 102557

Client Sample ID: X2-BOTTOM 7
Prep Type: Total/NA
Prep Batch: 102456

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	2.5		40.7	40.88		mg/Kg		94	75 - 125	11	20

QC Association Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32558-1

Metals

Prep Batch: 102456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-32558-1	X2-BOTTOM 7	Total/NA	Solid	3050B	
480-32558-1 MS	X2-BOTTOM 7	Total/NA	Solid	3050B	
480-32558-1 MSD	X2-BOTTOM 7	Total/NA	Solid	3050B	
LCSSRM 480-102456/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-102456/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 102557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-32558-1	X2-BOTTOM 7	Total/NA	Solid	6010B	102456
480-32558-1 MS	X2-BOTTOM 7	Total/NA	Solid	6010B	102456
480-32558-1 MSD	X2-BOTTOM 7	Total/NA	Solid	6010B	102456
LCSSRM 480-102456/2-A	Lab Control Sample	Total/NA	Solid	6010B	102456
MB 480-102456/1-A	Method Blank	Total/NA	Solid	6010B	102456

General Chemistry

Analysis Batch: 102499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-32558-1	X2-BOTTOM 7	Total/NA	Solid	Moisture	

Lab Chronicle

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32558-1

Client Sample ID: X2-BOTTOM 7

Lab Sample ID: 480-32558-1

Date Collected: 02/05/13 15:55

Matrix: Solid

Date Received: 02/06/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102456	02/06/13 11:50	SS	TAL BUF
Total/NA	Analysis	6010B		1	102557	02/06/13 19:37	LH	TAL BUF
Total/NA	Analysis	Moisture		1	102499	02/06/13 15:11	ZLR	TAL BUF

Laboratory References:

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

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Certification Summary

Client: HRP Associates, Inc.
 Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32558-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAP	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13
Georgia	State Program	4	956	06-30-13
Georgia	State Program	4	956	06-30-13
Illinois	NELAP	5	200003	09-30-13
Iowa	State Program	7	374	03-01-13
Kansas	NELAP	7	E-10187	01-31-13
Kentucky	State Program	4	90029	12-31-13
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAP	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-13
Maryland	State Program	3	294	03-31-13
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13
Minnesota	NELAP	5	036-999-337	12-31-13
New Hampshire	NELAP	1	2973	09-11-13
New Hampshire	NELAP	1	2337	11-17-13
New Jersey	NELAP	2	NY455	06-30-13
New York	NELAP	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAP	10	NY200003	06-09-13
Pennsylvania	NELAP	3	68-00281	07-31-13
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAP	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-13
Washington	State Program	10	C784	02-10-13
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	08-31-13

Method Summary

Client: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32558-1

Method	Method Description	Protocol	Laboratory
6010B	Inductively Coupled Plasma - Atomic Emission Spectrometry	SW846	TAL BUF
Moisture	Percent Moisture	EPA	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: HRP Associates, Inc.
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-32558-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-32558-1	X2-BOTTOM 7	Solid	02/05/13 15:55	02/06/13 09:00

- 1
- 2
- 3
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- 11
- 12
- 13

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt _____

Drinking Water? Yes No

Chain of Custody Record

TAL-4124 (1007)

Client: **HRP ASSOCIATES** Project Manager: **P. Redman** Chain of Custody Number: **241457**
 Address: **1 Fairchild Sq Suite 110** Telephone Number (Area Code)/Fax Number: **516 877 7161** Lab Number: _____
 City: **Clifton Park** State: **NY** Zip Code: **12015** Lab Contact: **B. Shale** Page _____ of _____
 Project Name and Location (State): **BERTHELMIS MANUFACTURING** Site Contact: **P. Redman** Carrier Material Number: **F-10184**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed	Soil	Unpres	H2SO4	HNO3	HCl	HNO2	ZnAc			NH4Cl
X2 Bottom 7'	2/5/15	1555			X										
X2 North 3'					Y										
X2 East 3'					Y										
X2 South 3'					Y										
X2 West 3'					Y										

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other _____

1. Relinquished By: **[Signature]** Date: **2/5/13** Time: **1700**
 2. Relinquished By: **[Signature]** Date: _____ Time: _____
 3. Relinquished By: **[Signature]** Date: _____ Time: _____

QC Requirements (Specify): _____

1. Requested By: **[Signature]** Date: **2/6/13** Time: **0900**
 2. Received By: **[Signature]** Date: _____ Time: _____
 3. Received By: **[Signature]** Date: _____ Time: _____

Comments: **#3 3.5**



Login Sample Receipt Checklist

Client: HRP Associates, Inc.

Job Number: 480-32558-1

Login Number: 32558

List Number: 1

Creator: Janish, Carl

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.	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	HRP
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	

APPENDIX E
Air Monitoring Data

Barthelmes Manufacturing Site
15 Cairn Street
Rochester, New York
CAMP Monitoring

Date	Time	Upwind		Downwind	
		Dust	VOCs	Dust	VOCs
		ug/m3	PPM	ug/m3	PPM
1/28/2013	7:45	0.044	0.0	0.043	0.0
1/28/2013	8:00	0.045	0.0	0.044	0.0
1/28/2013	10:30	0.041	0.0	0.043	0.0
1/28/2013	10:45	0.039	0.0	0.017	0.0
1/28/2013	11:00	0.044	0.0	0.029	0.0
1/28/2013	11:30	0.049	0.0	0.031	0.0
1/28/2013	13:00	0.041	0.0	0.041	0.0
1/28/2013	13:15	0.06	0.0	0.05	0.0
1/28/2013	13:45	0.08	0.0	0.05	0.0
1/28/2013	14:30	0.023	0.0	0.01	0.0
1/28/2012	14:45	0.001	0.0	0.046	0.0
1/28/2012	15:00	End of intrusive activities			
1/29/2012	8:00	0.037	0.0	0.039	0.0
1/29/2013	8:30	0.028	0.0	0.037	0.0
1/29/2013	8:45	0.041	0.0	0.015	0.0
1/29/2013	9:00	0.057	0.0	0.029	0.0
1/29/2013	9:15	0.08	0.0	0.086	0.0
1/29/2013	9:30	0.08	1.0	0.025	0.0
1/29/2013	10:00	0.039	0.0	0.096	0.0
1/29/2013	10:30	0.039	0.0	0.045	0.0
1/29/2013	11:00	0.039	0.0	0.033	0.0
1/29/2013	13:00	0.044	0.0	0.044	0.0
1/29/2013	13:30	0.036	0.0	0.019	0.0
1/29/2013	14:00	0.041	0.0	0.022	0.0
1/29/2013	14:45	0.036	0.0	0.024	0.0
1/29/2013	15:00	End of intrusive activities			
1/30/2013	8:00	0.037	0.0	0.039	0.0
1/30/2013	8:30	0.028	0.0	0.037	0.0
1/30/2013	8:45	0.041	0.0	0.015	0.0
1/30/2013	9:00	0.045	0.0	0.041	0.0
1/30/2013	9:15	0.032	0.0	0.057	0.0
1/30/2013	9:30	0.075	0.0	0.08	0.0
1/30/2013	10:00	0.065	0.0	0.08	0.0
1/30/2013	10:30	0.034	0.0	0.039	0.0
1/30/2013	11:00	0.021	0.0	0.039	0.0
1/30/2013	11:15	0.032	0.0	0.039	0.0
1/30/2013	11:45	0.065	0.3	0.044	0.0
1/30/2013	13:00	0.043	2.2	0.076	1.6
1/30/2013	13:30	0.039	0.0	0.033	0.0
1/30/2013	14:45	End of intrusive activities			
1/31/2013	8:00	0.021	0.0	0.011	0.0
1/31/2013	9:00	0.018	0.0	0.009	0.0
1/31/2013	9:15	0.018	0.0	0.009	0.0
1/31/2013	9:45	0.018	2.5	0.001	2.0
1/31/2013	10:00	0.019	3.1	0.008	2.8
1/31/2013	10:30	0.017	3.8	0.012	4.1
1/31/2013	11:00	0.017	0.0	0.004	0.0
1/31/2013	12:00	0.022	0.0	0.001	0.0
1/31/2013	13:00	0.022	0.0	0.008	0.0
1/31/2013	14:30	0.022	0.0	0.012	0.0
1/31/2013	14:45	0.018	0.0	0.015	0.0
1/31/2013	15:00	0.015	0.0	0.016	0.0
1/31/2013	15:35	End of intrusive activities			
2/5/2013	9:00	0.018	0.0	0.009	0.0
2/5/2013	10:00	0.019	0.0	0.003	0.0
2/5/2013	11:00	0.017	0.0	0.004	0.0
2/5/2013	12:00	0.022	0.0	0.001	0.0
2/5/2013	13:00	0.022	0.0	0.008	0.0
2/5/2013	14:00	0.022	0.0	0.012	0.0
2/5/2013	15:00	0.018	0.0	0.015	0.0

VOCs Volatile Organic Compounds
PPM Parts Per Million

APPENDIX F
Site Survey Data

09006.09

**BARHEMES MONITORING WELLS
CITY OF ROCHESTER**

Monitoring Wells	Northing	Easting	Elevation at Top Pipe	Elevation at Ground
INJ-3	1147698.28	1393313.69	537.78	537.76

*HORIZ. DATUM: NYSPCS NAD 83 WEST ZONE

*VERT. DATUM: NAVD 88

Monitoring Wells	Northing	Easting	Elevation at Top Pipe	Elevation at Ground
INJ-3	43.146190396	77.665205266	537.78	537.76

*HORIZ. DATUM: GEOGRAPHIC NAD83

*VERT. DATUM: NAVD 88

Excavation Edges	Northing	Easting	Elevation
10250	1147684.92	1393320.55	537.87
10251	1147689.06	1393323.21	537.83
10252	1147689.10	1393323.70	537.82
10253	1147699.54	1393323.45	537.77
10254	1147699.76	1393324.27	537.76
10255	1147702.03	1393324.79	537.72
10256	1147702.09	1393323.81	537.72
10257	1147705.61	1393318.88	537.66
10258	1147707.25	1393318.44	537.69
10259	1147707.71	1393317.63	537.69
10260	1147708.01	1393314.47	537.60
10261	1147707.63	1393314.12	537.63
10262	1147707.53	1393310.95	537.66
10263	1147700.18	1393303.87	537.82
10264	1147693.75	1393303.41	537.83
10265	1147693.18	1393303.98	537.87
10266	1147692.35	1393303.86	537.88
10267	1147692.17	1393303.10	537.89
10268	1147691.44	1393302.95	537.88
10269	1147690.14	1393303.87	537.85
10270	1147690.07	1393304.13	537.85
10271	1147686.60	1393304.25	537.89
10272	1147686.33	1393303.99	537.88
10273	1147686.07	1393303.90	537.89
10274	1147685.13	1393304.15	537.88
10278	1147668.66	1393308.07	538.15
10279	1147668.37	1393312.07	538.10
10280	1147672.75	1393312.11	538.00
10281	1147672.66	1393307.99	538.05

*HORIZ. DATUM: NYSPCS NAD 83 WEST ZONE

*VERT. DATUM: NAVD 88

Excavation Edges	Northing	Easting	Elevation
10250	43.146153540	77.665180130	537.87
10251	43.146164819	77.665170006	537.83
10252	43.146164903	77.665168137	537.82
10253	43.146193551	77.665168649	537.77
10254	43.146194122	77.665165590	537.76
10255	43.146200351	77.665163521	537.72
10256	43.146200535	77.665167216	537.72
10257	43.146210341	77.665185531	537.66
10258	43.146214850	77.665187114	537.69
10259	43.146216150	77.665190116	537.69
10260	43.146217047	77.665201964	537.60
10261	43.146216038	77.665203272	537.63
10262	43.146215857	77.665215170	537.66
10263	43.146195905	77.665241991	537.82
10264	43.146178271	77.665243987	537.83
10265	43.146176693	77.665241853	537.87
10266	43.146174405	77.665242359	537.88
10267	43.146173943	77.665245207	537.89
10268	43.146171943	77.665245788	537.88
10269	43.146168363	77.665242401	537.85
10270	43.146168143	77.665241431	537.85
10271	43.146158639	77.665241111	537.89
10272	43.146157902	77.665242112	537.88
10273	43.146157194	77.665242466	537.89
10274	43.146154595	77.665241577	537.88
10278	43.146109291	77.665227534	538.15
10279	43.146108378	77.665212592	538.10
10280	43.146120408	77.665212257	538.00
10281	43.146120282	77.665227672	538.05

*HORIZ. DATUM: GEOGRAPHIC NAD83

*VERT. DATUM: NAVD 88

Boring Locations	Northing	Easting	Elevation
X2 BOT	1147670.21	1393310.25	538.11
PE1	1147685.86	1393306.34	537.87
PE2	1147687.61	1393312.05	537.80
BASE1	1147691.42	1393309.52	537.89
BASE2	1147699.64	1393317.50	537.76
PE6	1147704.06	1393308.46	537.71
PE5	1147695.05	1393304.10	537.87
PE4/PE7	1147694.21	1393322.46	537.83

*HORIZ. DATUM: NYSPCS NAD 83 WEST ZONE

*VERT. DATUM: NAVD 88

Boring Locations	Northing	Easting	Elevation
X2 BOT	43.146113481	77.665219309	538.11
PE1	43.146156535	77.665233317	537.87
PE2	43.146161170	77.665211865	537.80
BASE1	43.146171696	77.665221193	537.89
BASE2	43.146194003	77.665190965	537.76
PE6	43.146206412	77.665224655	537.71
PE5	43.146181805	77.665241339	537.87
PE4/PE7	43.146178970	77.665172573	537.83

*HORIZ. DATUM: GEOGRAPHIC NAD83

*VERT. DATUM: NAVD 88