PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

MAGNA/NEW PROCESS GEAR FACILITY
6600 NEW VENTURE GEAR DRIVE
DEWITT, ONONDAGA COUNTY, NEW YORK
TTL PROJECT NO.: 600212024

Prepared for

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geotechnical · analytical · materials · environmental

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SIGNATURE PAGE

The investigation described in this report was performed by a geologist(s) or qualified environmental professional experienced in hydrogeologic investigations. The information submitted herein, to the best of my knowledge and belief, is true, accurate, and complete. I am aware that there are significant penalties for submitting false information.

Project:
Phase II Environmental Site Assessment
Magna/New Process Gear Facility
660 New Venture Gear Drive
Dewitt, Onondaga County, New York
TTL Project No.: 600212024

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12/3/12

Date

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Date

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1.0 INTRODUCTION

TTL, Inc. (TTL) is pleased to submit this Phase II Environmental Site Assessment (ESA) Report for the above-referenced property. Performance of these activities was authorized by electronic correspondence from Mr. Robert Trafford with ONX1, LLC, dated October 5, 2012.

A Phase I ESA (dated September 14, 2012) performed by TTL identified the following recognized environmental conditions (RECs) at the facility:

- An active stormwater pond (Lower Pond) and a former stormwater pond (Upper Pond) on-site, which may have been impacted during recorded and nonrecorded historic spills that entered the stormwater system.
- Historic manufacturing activities, including use of industrial wastewater lines to carry process water and a Wastewater Treatment Plant (WWTP) to treat the water.
- A historic WWTP that operated inside the plant from 1962 to 1970.
- Historic use of aboveground and underground storage tanks to store petroleum, oils, and hazardous chemicals.
- Historic soil and groundwater samples that contained concentrations of metals above local and EPA-established limits.
- Concrete and wood/composite block floors throughout the plant that are saturated with oil.
- A former railroad spur on-site with visibly stained soils.
- An unmarked monitoring well near the southwest corner of the building, near the chip crusher room, not indicated on historic reports for the site.
- Historic hazardous waste generation at the site.

2.0 PHASE II ESA FIELD ACTIVITIES

2.1 Sampling Locations

The Phase II ESA involved the advancement of 33 probeholes in areas potentially impacted by industrial operations. TTL subcontracted Zebra Environmental (Zebra) to advance the 33 probeholes using a Geoprobe 7822DT. Drilling was performed on December 5 - 8, 2012. A Topographic Location Map is included at Figure 1. A Site Map indicating the approximate locations of the probeholes is included as Figure 2. The locations of the probeholes were selected based on the RECs identified during the Phase I ESA. A brief explanation of the probehole locations and the corresponding sampling scheme is provided below.

Stormwater Ponds

- TTL advanced two hand auger borings (PH-1 and PH-2) into the shallow groundwater table at the Upper Pond, and one hand auger boring (PH-3) and one probehole (PH-4) into the shallow groundwater table at the Lower Pond. Soil samples were collected from each probehole at a shallow depth to represent former bottom sediments in the pond. Samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and total Resource Conservation and Recovery Act (RCRA) metals. Additionally, the soil sample collected from probehole PH-3 was analyzed for total petroleum hydrocarbons – diesel range organics (TPH-DRO).

- TTL installed temporary monitoring wells in each of the four probeholes, and groundwater samples were collected for analyses for (VOCs), (SVOCs), and total and dissolved RCRA metals.

Underground Storage Tanks (USTs)

- To investigate potential spills or overfills that may have occurred from the USTs currently in the main tank area on the west side of the plant, TTL advanced three probeholes (PH-5, PH-6, and PH-7) into the shallow water table around the edges of the tank pit. Subsurface soil and groundwater samples were collected for analyses for VOCs, SVOCs, and total and dissolved (groundwater only) RCRA metals.

East Pad

- Because chlorinated VOCs were detected in a shallow zone of perched water about 5 feet BLS near the East Pad in January 2007, TTL advanced one probehole (PH-8) in the vicinity of the East Pad. A photo-ionization detector (PID) was used to identify soil potentially containing ionizable or organic vapors. One soil sample was collected from the depth interval exhibiting the highest reading on the PID for analysis for VOCs, SVOCs, and RCRA metals. Groundwater was not encountered before probe refusal.

Soil and Groundwater Beneath WWTP

- Probehole (PH-9) was advanced on the northeast side of the WWTP. One soil sample was collected from above the water table for analysis for VOCs, SVOCs, RCRA metals and TPH-DRO. Groundwater was not encountered before probe refusal. TTL attempted to obtain a groundwater sample by advancing a second probehole in this area (PH-10), but again the probe met refusal before encountering groundwater. No soil sample was collected from probehole PH-10.

Stormwater Lines

- The 2005 *Report on Infrastructure Condition Study* also indicates that stormwater lines were inspected, and that various lines were partially collapsed. Stormwater lines are not supposed to carry process water; however, due to spills and everyday operation at the facility, it is conceivable that some water containing COCs has been transported via these

lines. TTL advanced two probeholes (PH-11 and PH-17) adjacent to the stormwater lines where Magna personnel reported a historic collapse or where a current collapse was indicated by standing stormwater. One soil sample was collected from each probehole for analysis for VOCs, SVOCs, and RCRA metals. Groundwater was not encountered before probe refusal in probehole PH-11. A groundwater sample was collected from probehole PH-17 and analyzed for VOCs, SVOCs, and total/dissolved RCRA metals.

Background Soil Samples

- Historical soil samples collected from the site have reportedly contained concentrations of various metals at concentrations exceeding the applicable target levels. To evaluate whether these concentrations are indicative of impacts from operations at the site or are typical of soils in the area, TTL advanced four background probeholes (PH-12 through PH-15) at locations not expected to have been impacted by historical operations at the site. These probeholes were advanced around the perimeter of the site. From each probehole, subsurface soil samples were collected from depths similar to the depths of soil samples collected beneath the facility itself. Soil samples were analyzed for total RCRA metals.

Railroad Spur

- The former railroad spur on-site that was used to bring in raw materials and export completed products was considered a REC due to stained soils beneath the rails. TTL advanced one probehole (PH-16) adjacent to the rail spur. The subsurface soil sample was collected for analyses for VOCs, SVOCs, total RCRA metals, and TPH-DRO. The groundwater sample was collected for analyses for VOCs, SVOCs, and total and dissolved RCRA metals.

Industrial Wastewater Lines

- TTL advanced eight probeholes (PH-18, PH-19, PH-20, and PH-26 through PH-30) into the concrete and wood/composite block floors at locations adjacent to the underground industrial wastewater lines for the collection of soil and groundwater samples. In particular, TTL advanced probeholes (PH-18 and PH-19) at locations mentioned in the 2005 *Report on Infrastructure Condition Study* where evidence of potential sewer pipe failure was observed, as well as at random other locations along industrial piping throughout the facility.

- At each location, TTL collected a soil sample from the approximate lower depth of the waste lines, as determined by site plans and interviews with site personnel. Soil samples were analyzed for VOCs, SVOCs, and total RCRA metals. Based on the observance of black organic material, the soil samples from probeholes PH-20 and PH-26 were analyzed for TPH-DRO.

- TTL attempted to advance each probehole into the shallow water-bearing zone. Sufficient groundwater for collection of a sample was encountered above probe refusal only at probeholes PH-26 and PH-27. Temporary wells were installed in the probeholes, and groundwater samples were collected for analyses for VOCs, SVOCs, and total and dissolved metals.

Soil and Groundwater Below Slab

- TTL advanced a total of six probeholes (PH-21 through 25, and PH-33) throughout the facility for the purpose of collecting soil, and groundwater samples. Where possible, a soil sample was collected from each probehole from immediately below the concrete or wood/composite floor for analyses for VOCs, SVOCs, and total RCRA metals. At probehole PH-21, a soil sample could not be retrieved due to lack of recovery. Probehole PH-22 was advanced near PH-21 for collection of a soil sample. At PH-23, a soil sample could not be retrieved. A second probehole was advanced in this area (PH-24), but a soil sample could not be retrieved from this probehole either. A third probehole (PH-25) was advanced, and a soil sample was successfully retrieved from this probehole.

- Groundwater was present above probe refusal only in probehole PH-33. A temporary monitoring well was installed in this probehole, and a groundwater sample was collected for analyses for VOCs, SVOCs, and total and dissolved metals.

Coolant Pits and Flumes

- TTL recommended that several core-holes/probeholes also be advanced through/beneath coolant flumes and pits at locations suggested to have been compromised in the infrastructure report. Probeholes were advanced near the former flume pits 7 (PH-32) and 10/11 (PH-31). One soil sample was collected from probehole PH-31, from a depth indicated by use of the PID meter as potentially impacted. An additional soil sample could not be collected from probehole PH-32 due to lack of recovery. Soil samples were collected from these locations for analyses for VOCs, SVOCs, and total RCRA metals.
- TTL attempted to advance each probehole into the shallow water-bearing zone. Groundwater was encountered above probe refusal only at probehole PH-31. A temporary well was installed in the probehole, and a groundwater sample was collected for analyses for VOCs, SVOCs, and total and dissolved RCRA metals.

2.2 Soil Sampling

Total depths of the probeholes advanced at the site ranged from 2 to 23 feet below ground surface (BGS). Soil samples were collected from hand auger borings directly from the auger bucket. Soil samples were collected from the probeholes with 4-foot long acetate sleeves. Soil in each 4-foot interval was screened for volatile organic vapors with a MiniRAE 2000 PID. The PID was calibrated to fresh-air and 100 PPM (parts per million) isobutylene prior to use. PID readings ranged from 0 to 58.3 PPM.

Soil samples were analyzed for VOCs and SVOCs by Methods 8260 and 8270, and total RCRA metals by Method 6010/7470 as outlined in 40 CFR, Part 136. Each sample was placed into triplicate 40 milliliter (ml) glass vials (one containing a methanol preservative, and two containing water), a 60 ml plastic bottle, and two 4-ounce glass jars, and then packed on ice for sample

preservation. All samples were transported on the day of collection to TestAmerica Laboratories, Inc. in Amherst, New York.

Soil cuttings were placed in a 55-gallon drum pending receipt of analytical results from soil samples collected from the probeholes.

2.3 Groundwater Sampling

Groundwater samples were collected from probeholes PH-1 through PH7, PH-16, PH-17, PH-26, PH27, PH-31, and PH33. A one-inch diameter PVC well pipe was temporarily installed into each probehole to allow for collection of groundwater samples. Each groundwater sample was collected for analysis of VOCs and SVOCs by Methods 8260 and 8270, and total/dissolved RCRA metals by Method 6010/7470. The samples were placed into duplicate 40-milliliter vials treated with hydrochloric acid for the VOC analyses, and in duplicate 1-Liter amber, glass containers for the SVOC analyses. The groundwater samples for total RCRA metals analyses were placed in eight-ounce plastic containers preserved with nitric acid. The groundwater samples for dissolved RCRA metals were placed in eight-ounce plastic containers with no preservative. All samples were packed on ice in a cooler, for sample preservation. The samples were transported on the day of collection to TestAmerica for analyses.

3.0 INVESTIGATION RESULTS

During advancement of each probehole, TTL's field geologist recorded lithologic and other information on boring logs (Appendix A). Portions of the site are underlain by fill material, varying from 0 to 3 feet below land surface. Beneath the fill material (where present), a silt or gravelly silt was encountered. The silt became increasingly stiff with depth. Probehole refusal was generally encountered at a siltstone or shale interface. Field observations generally support the findings of previous environmental reports reviewed.

The VOCs, SVOCs, and total RCRA metals detected in soil samples are summarized in Tables 1, 2, and 3, respectively. The VOCs, SVOCs, and total/dissolved RCRA metals detected in the groundwater samples are summarized in Tables 4, 5, and 6, respectively. The laboratory reports are provided in Appendix B.

Soil cleanup objectives (SCOs) published in 6 NYCRR Part 375 and Supplemental Soil Cleanup Objectives (SSCOs) published in DEC Policy CP-51/Soil Cleanup Guidance are included in the soil analytical tables for reference. For the Unrestricted Use SCOs and SSCOs, the lowest target concentration for protection of human health, groundwater, and ecological resources was used. Water Quality Standards (WQS) published in 6NYCC Part 703: Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations are included in the groundwater analytical tables for reference. For chemicals that did not have a WQS, the Guidance Value (GV) provided in

Table 1 of the Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, dated 1998, was used for comparison.

Stormwater Ponds

There were no VOCs, SVOCs, or total RCRA metals detected above applicable SCOs in the soil samples collected from the probeholes (PH-1 and PH-2) advanced at the Upper Pond, or from the probehole (PH-4) advanced on the effluent side of the Lower Pond.

The soil sample collected from PH-3 from 0 to 2.5 feet BGS was observed to be a black organic material with a motor oil odor. The following summarizes the laboratory results for the soil sample collected from probehole PH-3:

- Acetone (0.140 mg/Kg) was detected at a concentration above the Unrestricted Use SCO of 0.05 mg/Kg, but below the Restricted (Industrial) Use value of 1,000 mg/Kg.
- 2-Methylnaphthalene (10.000J mg/Kg) was detected at a concentration above the Unrestricted Use SSCO of 0.41 mg/Kg. There was no Restricted (Industrial) SCO provided. The "J" flag indicates the detected concentration is an estimate value, above the method detection limit but below the reporting limit.
- Acenaphthene (61.000J mg/Kg), fluoranthene (670.000 mg/Kg), fluorene (51.000J mg/Kg), phenanthrene (490.000 mg/Kg), and pyrene (470.000 mg/Kg) were all detected above their respective Unrestricted Use SCOs, but below the Restricted (Industrial) Use SCOs.
- Benzo(a)anthracene (270.000 mg/Kg), benzo(a)pyrene (210.000 mg/Kg), benzo(b)fluoranthene (280 mg/Kg), benzo(k)fluoranthene (140.000 mg/Kg), chrysene (270.000 mg/Kg), and dibenz(a,h)anthracene (26.000 mg/Kg) were all detected above both their Unrestricted Use and Restricted (Industrial) Use values.
- Total lead (67.2 mg/Kg) and mercury (0.24 mg/Kg) were detected above their respective Unrestricted Use SCOs, but below their respective Restricted (Industrial) Use SCO. No other metals were detected above the Unrestricted Use SCOs in this sample.
- TPH-DRO was detected at a concentration of 4,800H mg/Kg. The 'H' flag indicates that the sample was analyzed for this constituent outside the holding time, which could result in a lower reported concentration. There is no established SCO for TPH-DRO. TTL typically uses a screening level of 100 mg/Kg when delineating hydrocarbon contamination.

Groundwater samples were collected from each of probeholes PH-1 through PH-4. The following summarizes the laboratory results for the groundwater samples collected from these probeholes.

- Dichlorodifluoromethane [(54 micrograms per Liter (ug/L)] and toluene (13 ug/L) were detected in the sample collected from probehole PH-3 above their respective WQS. No other VOC constituents were detected above their respective WQS or GV.
- Acenaphthene was detected above the GV of 20 ug/L in the sample collected from probehole PH-3 (42J ug/L).
- Anthracene was detected above the GV of 50 ug/L in the sample collected from probehole PH-3 (52 ug/L).

- Benzo(a)anthracene was detected above the GV of 0.002 ug/L in the samples collected from probeholes PH-1 (4.3J ug/L), PH-2 (1.1J ug/L), PH-3 (250 ug/L), and PH-4 (0.52J ug/L).
- Benzo(a)pyrene was detected above the WQS of non-detect in the samples collected from probeholes PH-1 (5.3 ug/L), PH-2 (1.4J ug/L), PH-3 (260 ug/L), and PH-4 (0.52J ug/L).
- Benzo(b)fluoranthene was detected above the GV of 0.002 ug/L in the samples collected from probeholes PH-1 (7.3 ug/L), PH-2 (1.8J ug/L), PH-3 (380 ug/L), and PH-4 (0.70J ug/L).
- Benzo(k)fluoranthene was detected above the GV of 0.002 ug/L in the sample collected from probehole PH-3 (150 ug/L).
- Bis(2-ethylhexyl)phthalate was detected above the WQS of 5 ug/L in the samples collected from probeholes PH-1 (11 ug/L), PH-2 (8.5 ug/L), and PH-3 (110 ug/L).
- Chrysene was detected above the GV of 0.002 ug/L in the samples collected from probeholes PH-1 (5.0 ug/L), PH-2 (1.2J ug/L), PH-3 (240 ug/L), and PH-4 (0.56J ug/L).
- Fluoranthene was detected above the GV of 50 ug/L in the sample collected from probehole PH-3 (500 ug/L).
- Indeno(1,2,3-cd)pyrene was detected above the GV of 0.002 ug/L in the samples collected from probeholes PH-1 (2.0J ug/L), PH-2 (0.56J ug/L), and PH-3 (74 ug/L).
- Phenanthrene was detected above the GV of 50 ug/L in the sample collected from probehole PH-3 (280 ug/L).
- Pyrene was detected above the GV of 50 ug/L in the sample collected from probehole PH-3 (430 ug/L).
- The concentrations of total arsenic, total barium, total cadmium, total chromium, total lead, and total selenium exceeded the respective WQS in one or more of the groundwater samples. However, the dissolved metals concentrations were all below the respective WQS, which indicates the detections were likely a result of suspended sediments in the sample.

Underground Storage Tanks

There were no VOCs, SVOCs, or total RCRA metals detected above applicable SCOs in the soil samples collected from the probeholes (PH-5, PH-6, and PH-7) advanced around the USTs.

The following summarizes the laboratory results for the groundwater samples collected from probeholes PH-5 through PH-7:

- No VOC or SVOC constituents were detected above applicable WQS or GV in the groundwater samples.
- The concentrations of total arsenic, total barium, total chromium, and total lead exceeded the respective WQS in the groundwater samples collected from probeholes PH-5 and PH-6. The dissolved metals concentrations were all below the respective WQS except for barium in the groundwater samples collected from probeholes PH-5 and PH-6.

East Pad

There were no VOCs, SVOCs, or total RCRA metals detected above applicable SCOs in the soil sample collected from the probehole (PH-8) advanced at the East Pad. Sufficient groundwater was not encountered at the probehole to collect a sample.

Soil and Groundwater Beneath WWTP

The soil sample collected from PH-9 from seven feet BGS was observed to have a black oily sheen. However, there were no VOCs, SVOCs, or total RCRA metals detected above applicable SCOs in the soil sample collected from the probehole PH-9. However, TPH-DRO was detected in the soil sample at a concentration of 6,200 mg/Kg. There is no established SCO for TPH-DRO. TTL typically uses a screening level of 100 mg/Kg when delineating hydrocarbon contamination. Sufficient groundwater was not encountered at the probehole to collect a sample.

Stormwater Lines

There were no VOCs or SVOCs detected above applicable SCOs in the soil samples collected from the probeholes (PH-11 and PH-17) advanced around near potentially collapsed stormwater lines. Arsenic (21.7 mg/Kg) was detected above the Restricted (Industrial) Use SCO (16 mg/Kg) in the sample collected from probehole PH-17. No other total metals concentrations exceeded a SCO in the soil samples collected from probeholes PH-11 or PH-17.

The following summarizes the laboratory results for the groundwater sample collected from probehole PH-17.

- No VOC or SVOC constituents were detected above applicable WQS or GV in the groundwater samples.

- The concentrations of total arsenic, total barium, total cadmium, total chromium, and total lead exceeded the respective WQS. However, the dissolved metals concentrations of these same constituents were all below the respective WQS, which indicates the detections were likely a result of suspended sediments in the sample.

Background Soil Samples

Soil samples from probeholes PH-12, PH-13, PH-14, and PH-15 were analyzed for total RCRA metals. Arsenic was detected in the sample collected from probehole PH-15 at a concentration of 13.8 mg/Kg, which exceeds the Unrestricted SCO (13 mg/Kg), but is below the Restricted (Industrial) Use SCO of 16 mg/Kg. No other total metals concentrations exceeded a SCO.

Railroad Spur

The soil sample collected from PH-16 from one foot BGS was observed to have a black oily gravel. However, there were no VOCs, SVOCs, or total RCRA metals detected above applicable SCOs in the soil sample collected from the probehole PH-16. However, TPH-DRO was detected in the soil sample at a concentration of 1,600 mg/Kg. There is no established SCO for TPH-DRO. TTL typically uses a screening level of 100 mg/Kg when delineating hydrocarbon contamination.

The following summarizes the laboratory results for the groundwater sample collected from probehole PH-16.

- No VOC or SVOC constituents were detected above applicable WQS or GV in the groundwater samples.

- The concentrations of total arsenic, total chromium, and total lead exceeded the respective WQS. However, the dissolved metals concentrations were all below the respective WQS.

Industrial Wastewater Lines

TTL advanced eight probeholes (PH-18, PH-19, PH-20, and PH-26 through PH-30) into the concrete and wood/composite block floors at locations adjacent to the underground industrial wastewater lines for the collection of soil and groundwater samples. The soil samples collected from probeholes PH-20 (4 feet BGS) and PH-26 (12 feet BGS) exhibited black oily staining, and had a petroleum odor. The following summarizes the laboratory results for the soil samples collected from probeholes PH-18, PH-19, PH-20, and PH 26 through PH-30:

- Acetone was detected in the samples collected from probeholes PH-20 (0.140 mg/Kg) and PH-27 (0.083 mg/Kg) at concentrations above the Unrestricted Use SCO of 0.05 mg/Kg, but below the Restricted (Industrial) Use value of 1,000 mg/Kg.

- Tetrachlorethene was detected in the sample collected from probehole PH-28 (2.200 mg/Kg) at a concentration above the Unrestricted Use SCO of 1.3 mg/Kg, but below the Restricted (Industrial) Use value of 300 mg/Kg.

- Di-n-butyl-phthalate was detected in the sample collected from probehole PH-18 (0.100J mg/Kg) at a concentration above the Unrestricted Use SSCO of 0.014 mg/Kg. No Restricted (Industrial) Use value is available for comparison.

- Arsenic was detected above the Restricted (Industrial) Use SCO (16 mg/Kg) in the samples collected from probeholes PH-18 (21.6 mg/Kg) and PH-29 (22.6 mg/Kg). No other total metals concentrations exceeded a SCO in the soil samples collected from probeholes advanced adjacent to the industrial wastewater lines.

- TPH-DRO was detected in the soil samples collected from probeholes PH-20 and PH-26 at concentrations of 3,000 mg/Kg and 5,500 mg/Kg, respectively. There is no established SCO for TPH-DRO. TTL typically uses a screening level of 100 mg/Kg when delineating hydrocarbon contamination.

The following summarizes the laboratory results for the groundwater sample collected from probeholes PH-26 and PH-27:

- Acetone (62 ug/L) and cis-1,2-dichloroethene (5.3 ug/L) were detected in the groundwater sample collected from probehole PH-26 above their respective WQS. No other VOC constituents were detected above their respective WQS.

- Bis(2-ethylhexyl)phthalate (8,300 ug/L) was detected in the groundwater sample collected from probehole PH-26 above the WQS of 5 ug/L. No other SVOC constituents were detected above their respective WQS.

- The concentrations of total arsenic, total barium, total chromium, total lead, total selenium, and total mercury exceeded the respective WQS in one or both of the groundwater samples. However, the dissolved metals concentrations were all below the respective WQS.

Soil and Groundwater Below Slab

TTL also advanced a total of six probeholes (PH-21 through 25, and PH-33) throughout the facility for the purpose of collecting soil and groundwater samples. Due to lack of recovery or probe refusal, soil samples were collected only from probeholes PH-22, PH-25, and PH-33. A groundwater sample was only collected from probehole PH-33.

The following summarizes the laboratory results for the soil samples collected from probeholes PH-22, PH-25, and PH-33:

- Acetone was detected in the sample collected from probehole PH-33 (0.080 mg/Kg) at a concentration above the Unrestricted Use SCO of 0.05 mg/Kg, but below the Restricted (Industrial) Use value of 1,000 mg/Kg.

- No other VOCs, SVOCs, or total RCRA metals were detected above applicable SCOs in the soil samples collected from the probeholes PH-22, PH-25, or PH-33.

The following summarizes the laboratory results for the groundwater sample collected from probehole PH-33.

- No VOC or SVOC constituents were detected above applicable WQS or GV in the groundwater sample.

- The concentrations of total arsenic, total barium, total chromium, and total lead exceeded the respective WQS in one or both of the groundwater samples. However, the dissolved metals concentrations were all below the respective WQS.

Coolant Pits and Flumes

Soil and groundwater samples were collected from probehole PH-31. However, the groundwater sample was only analyzed for VOCs due to a lack of groundwater recharge. There was insufficient soil recovery and insufficient groundwater above probe refusal at probehole PH-32 to collect either a soil or groundwater sample. The following summarizes the analytical results of the soil and groundwater samples collected from probehole PH-31.

- Acetone was detected in the sample collected from probehole PH-31 (0.074 mg/Kg) at a concentration above the Unrestricted Use SCO of 0.05 mg/Kg, but below the Restricted (Industrial) Use value of 1,000 mg/Kg.

- No other VOCs, SVOCs, or total RCRA metals were detected above applicable SCOs in the soil samples collected from the probehole PH-31.

- No VOC constituents were detected above applicable WQS or GV in the groundwater sample.

4.0 SPILL INCIDENT REPORTING

As noted above, a black organic/oily material was encountered in five of the probeholes (PH-3, PH-9, PH-16, PH-20, and PH-26). Based on these observations, TTL contacted the NYSDEC on December 8, 2012, to report the potential release of contaminants. The NYSDEC assigned a Spill Incident number of 1209735 to cover the five locations.

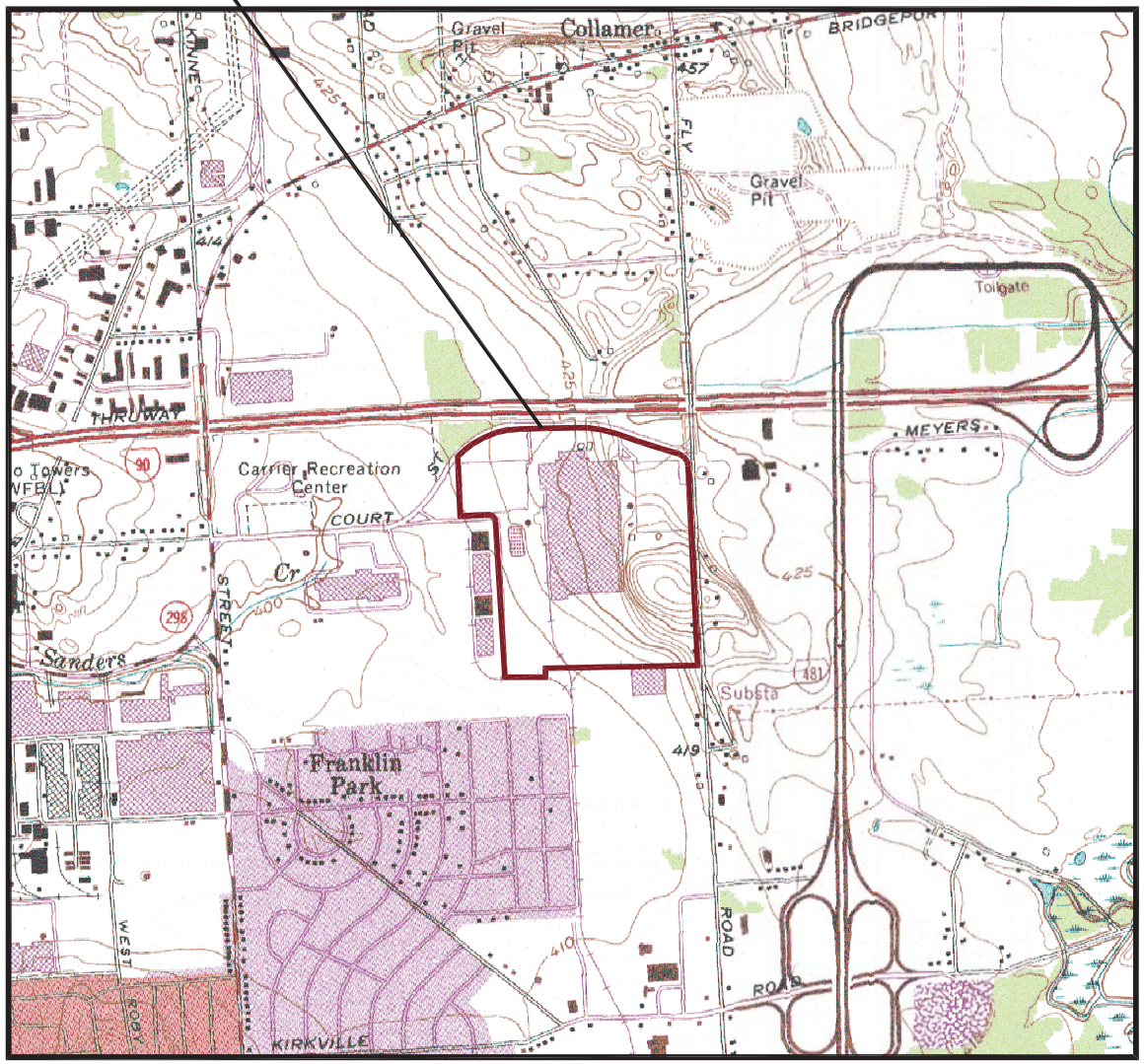
5.0 RECOMMENDATIONS

TTL recommends that this report be submitted to the NYDEC for review, and determination of the path forward to close out the Spill Incident.

FIGURES

General Site Location

Approximate Site Boundary



Source: USGS Syracuse East, N.Y. 7.5 Minute Quadrangle Map, 1957 (Photorevised 1978)

0′ 2000′

TTL

4154 Lomac Street ■ Montgomery, Alabama 36106
334.244.0766 ■ Fax 334.244.6668

TTL PROJECT NO: 600212024
PROJECT DATE: November 26, 2012

T:\Projects\2012\600212 Montgomery\024 Magna-New Process Ph1\12-024 Fig 1 Topo.dwg

Figure 1. Topographic Location Map

Phase II Environmental Site Assessment

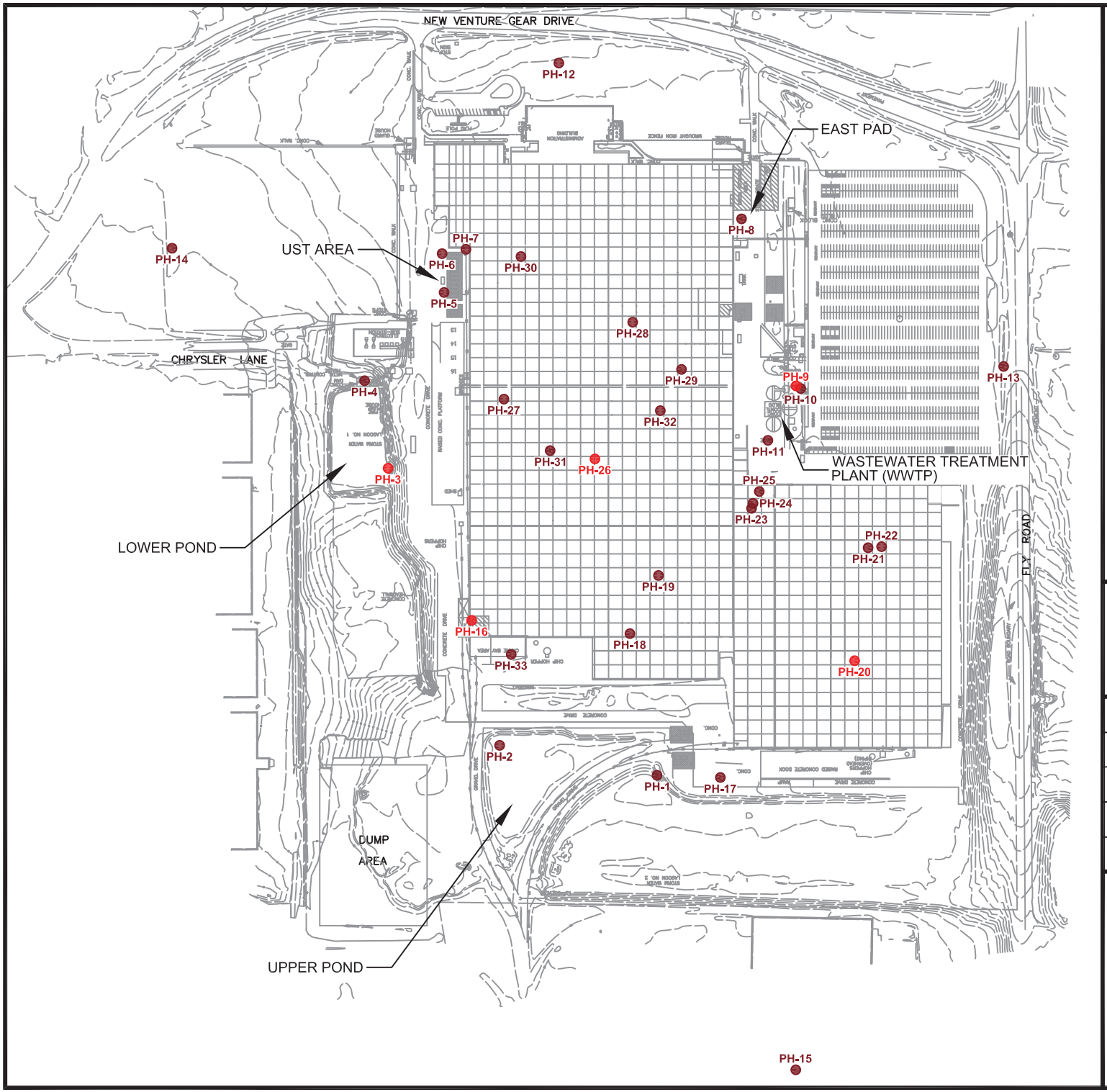
Magna/New Process Gear Facility (127± Acres)

6600 New Venture Gear Drive

Dewitt, Onondaga County, New York

N

1" = 2000'
(Approximate)



LEGEND

N

PH-1 Probehole Location and Identifier

PH-3 Probeholes Associated with Spill Incident

0′ 400′

TTL

4154 Lomac Street ■ Montgomery, Alabama 36106
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SCALE: 1" = 400'	TTL PROJ. NO.: 600212024
DRAWING PATH: T:\Projects\2012\600212 Montgomery\024 Magna-New Process Ph1\12-024 Flg 2 Site Phs2.dwg	
DATE CREATED: 11/28/2012	DATE REVISED: n/a / REVISION NUMBER: n/a
DRAWN BY: mjc	CHECKED BY: SGR
MODIFIED FROM DRAWING: New Process Gear, 07/99, provided by client	

Figure 2. Site Map

Phase II Environmental Site Assessment

Magna/New Process Gear Facility (127± Acres)

6600 New Venture Gear Drive

Dewitt, Onondaga County, New York

TABLES

Table 1

Comparison of VOCs[1] detected in soil samples to NYSDEC Soil Cleanup Objectives; Phase II ESA; ONX1, LLC; Former Magna/New Process Gear Facility, 6600 New Venture Gear Drive; East Syracuse, New York. TTL Project No. 600212-024

Probehole Identifier	Depth of Sample (Ft. BLS[5])	Date Sampled	1,2-Dichlorobenzene (mg/Kg)[2]	2-Hexanone (mg/kg)	2-Butanone (mg/kg)	4-Methyl-2-pentanone (MIBK) (mg/kg)	Acetone (mg/Kg)	Carbon disulfide (mg/kg)	Ethylbenzene (mg/kg)	Isopropylbenzene (mg/kg)	Methyl Acetate (mg/kg)	Tetrachloroethene (mg/kg)	Toluene (mg/kg)	Trichloroethene (mg/kg)	Total Xylenes (mg/kg)
Unrestricted Use Soil Cleanup Objective[3]			*1.1*	*---*	*0.3[4]*	*1[4]*	*0.05*	*2.7[4]*	*1.0*	*2.3[4]*	*---*	*1.3*	*0.7*	*0.47*	*0.26*
Restricted Use Soil Cleanup Objective[3]			*1,000*	*---*	*---*	*---*	*1,000*	*---*	*780*	*---*	*---*	*300*	*1,000*	*400*	*1,000*
PH-1	1	11/5/12	<0.00042	<0.0027	<0.0019	<0.0017	<0.0045	<0.0027	<0.00037	<0.00080	<0.00099	<0.00071	0.00081 J[6]	<0.0012	<0.00090
PH-2	1	11/5/12	<0.00037	<0.0024	<0.0017	<0.0016	<0.0040	<0.0024	<0.00033	<0.00072	<0.00089	<0.00064	<0.00036	<0.0010	<0.00080
PH-3	0-2.5	11/5/12	0.150	<0.0041	0.026 J	<0.0027	**0.140**	0.012	0.0018 J	<0.0012	<0.0015	<0.0011	0.012	<0.0018	0.0015 J
PH-4	10.5	11/5/12	<0.00034	<0.0022	<0.0016	<0.0014	0.012 J	<0.0022	<0.00030	<0.00066	<0.00081	<0.00059	<0.00033	<0.00096	<0.00073
PH-5	12	11/5/12	<0.00032	<0.0020	<0.0015	<0.0013	0.0088 J	<0.0020	<0.00028	<0.00061	<0.00075	<0.00054	<0.00031	<0.00089	<0.00068
PH-6	9	11/5/12	<0.00034	<0.0021	<0.0016	<0.0014	0.011 J	<0.0021	<0.00030	<0.00065	<0.00080	<0.00058	<0.00032	<0.00094	<0.00072
PH-7	8.5	11/6/12	<0.00039	<0.0025	<0.0018	<0.0016	0.013 J	<0.0025	<0.00035	<0.00076	<0.00094	<0.00068	0.00046 J	<0.0011	<0.00085
PH-8	3	11/6/12	<0.00034	<0.0022	0.0031 J	<0.0014	0.024	<0.0022	<0.00030	<0.00066	<0.00081	<0.00058	<0.00033	<0.00096	<0.00073
PH-9	7	11/6/12	<0.00037	<0.0023	<0.0017	<0.0015	0.015 J	<0.0023	<0.00032	<0.00071	<0.00087	<0.00063	<0.00035	<0.0010	<0.00079
PH-11	5.5	11/6/12	<0.00037	<0.0024	<0.0017	<0.0016	<0.0040	<0.0024	<0.00033	<0.00071	<0.00088	<0.00064	<0.00036	<0.0010	<0.00080
PH-12	8	11/6/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PH-13	10	11/6/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PH-14	6	11/6/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PH-15	7.5	11/6/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PH-16	1	11/6/12	<0.00039	<0.0025	0.0081 J	<0.0016	0.046	<0.0025	<0.00034	<0.00075	<0.00093	<0.00067	<0.00038	<0.0011	<0.00084
PH-17	4	11/7/12	<0.00045	<0.0029	<0.0021	<0.0019	0.0087J	<0.0029	<0.00039	<0.00086	<0.0011	<0.00077	<0.00043	<0.0013	<0.00096
PH-18	8	11/7/12	<0.00048	<0.0030	<0.0022	<0.0020	0.019J	<0.0030	<0.00042	<0.00092	<0.0011	<0.00082	<0.00046	<0.0013	<0.0010
PH-19	11	11/7/12	<0.00041	0.0027J	0.0058J	<0.0017	0.046	<0.0026	0.00061J	<0.00079	<0.00098	<0.00070	<0.00040	<0.0012	<0.00088
PH-20	4	11/7/12	<0.00039	<0.0025	0.0089J	0.0024J	**0.140**	<0.0025	<0.00035	<0.00076	0.0057	<0.00068	<0.00038	<0.0011	<0.00085
PH-22	6	11/7/12	<0.00039	<0.0025	<0.0018	<0.0016	<0.0042	<0.0025	<0.00034	<0.00075	<0.00093	<0.00067	<0.00038	<0.0011	<0.00084
PH-25	3	11/7/12	<0.00039	<0.0025	<0.0018	<0.0017	0.0048J	<0.0025	<0.00035	<0.00076	<0.00094	<0.00068	<0.00038	<0.0011	<0.00085
PH-26	12	11/7/12	0.00034	<0.0022	0.0068J	<0.0014	0.027	<0.0022	0.0016J	<0.00066	<0.00081	0.0086	<0.00033	<0.00096	<0.00073
PH-27	12	11/7/12	<0.00032	<0.0021	0.0092J	<0.0014	**0.083**	<0.0021	<0.00029	0.0021J	0.0067	<0.00056	<0.00031	<0.00091	<0.00069
PH-28	2	11/8/12	<0.00040	<0.0026	<0.0019	<0.0017	<0.0043	<0.0026	<0.00035	<0.00077	<0.00095	**2.200**	<0.00039	0.0097	<0.00086
PH-29	10	11/8/12	<0.00047	<0.0030	<0.0022	<0.0020	0.012J	<0.0030	<0.00042	<0.00091	<0.0011	<0.0081	<0.0046	<0.0013	<0.0010
PH-30	6	11/8/12	<0.00035	<0.0023	<0.0017	<0.0015	<0.0038	<0.0023	<0.00031	<0.00068	<0.00084	<0.00061	<0.00034	<0.00099	<0.00076
PH-31	12	11/8/12	<0.00032	<0.0020	0.010J	0.0017J	**0.074**	<0.0020	0.00099J	<0.00061	<0.00075	<0.00054	0.00057J	<0.00089	0.0033J
PH-33	1	11/8/12	<0.00037	<0.0024	0.017J	<0.0016	**0.080**	<0.0024	0.00062J	<0.00071	<0.00088	0.00081J	0.00096J	<0.0010	0.00097J

[1] Volatile Organic Compounds; Testing of the samples was in accordance with Method 8260 outlined in 40 CFR, Part 136.

[2] Milligrams per kilogram

[3] 6 NYCRR (New York Codes, Rules, and Regulations) Part 375. Restricted use cleanup objectives given are for industrial use.

[4] Supplemental Soil Cleanup Objective provided in NYSDEC Policy CP-51 Soil Cleanup Guidance. SSCO is lowest provided for protection of human health, groundwater, or ecological resources.

[5] Ft. BLS = Feet Below Land Surface

[6] J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

Concentrations exceeding an SCO are in bold.

Table 2

Comparison of SVOCs[1] detected in soil samples to NYSDEC Soil Cleanup Objectives; Phase II ESA; ONX1, LLC; Former Magna/New Process Gear Facility, 6600 New Venture Gear Drive; East Syracuse, New York. TTL Project No. 600212-024

Sample Location	Sample Depth (feet BLS[5])	Date	Biphenyl (mg/kg)[2]	2-Methylnaphthalene (mg/kg)	Acenaphthene (mg/kg)	Acenaphthylene (mg/kg)	Acetophenone (mg/kg)	Anthracene (mg/kg)	Benzo(a)anthracene (mg/kg)	Benzo(a)pyrene (mg/kg)	Benzo(b)fluoranthene (mg/kg)	Benzo(g,h,i)perylene (mg/kg)	Benzo(k)fluoranthene (mg/kg)	Bis(2-ethylhexyl) phthalate (mg/kg)	Caprolactam (mg/kg)	Carbazole (mg/kg)	Chrysene (mg/kg)	Di-n-butyl phthalate (mg/kg)	Di-n-octyl phthalate (mg/kg)
Unrestricted Use Soil Cleanup Objective[3]			---	*0.41[4]*	*20*	*100*	---	*100*	*1.0*	*1.0*	*1.0*	*100*	*0.8*	---	---	---	*1.0*	*0.014[4]*	*100[4]*
Restricted Use Soil Cleanup Objective[3]			---	---	*1,000*	*1,000*	---	*1,000*	*11*	*1.1*	*11*	*1,000*	*110*	---	---	---	*110*	---	---
PH-1	1	11/5/12	<0.014	<0.0026	<0.0026	<0.0018	<0.011	<0.0056	<0.0038	0.027 J[6]	0.039 J	<0.0026	0.020 J	<0.070	<0.094	<0.0025	0.029 J	<0.075	<0.0051
PH-2	1	11/5/12	<0.063	<0.012	<0.012	<0.0083	<0.052	<0.026	<0.018	0.072 J	0.130 J	<0.012	0.054 J	<0.330	<0.440	<0.012	0.088 J	<0.350	<0.024
PH-3	0-2.5	11/5/12	<7.700	**10.000 J**	**61.000 J**	<1.000	<6.400	93.000 J	**270.000**	**210.000**	**280.000**	72.000 J	**140.000**	<40.000	<54.000	74.000 J	**270.000**	<43.000	<2.900
PH-4	10.5	11/5/12	<0.012	<0.0023	<0.0023	0.015 J	<0.0099	0.013 J	0.091 J	0.087 J	0.110 J	0.031 J	0.054 J	<0.062	<0.084	<0.0022	0.094J	<0.067	0.020 J
PH-5	12	11/5/12	<0.012	<0.0023	<0.0023	<0.0016	<0.0099	<0.0050	<0.0033	<0.0047	<0.0038	<0.0023	<0.0021	<0.062	<0.084	<0.0022	<0.0019	<0.067	<0.0045
PH-6	9	11/5/12	<0.012	<0.0022	<0.0022	<0.0015	<0.0095	<0.0048	<0.0032	<0.0045	<0.0036	<0.0022	<0.0020	<0.060	<0.080	<0.0021	<0.0019	<0.064	<0.0043
PH-7	8.5	11/6/12	<0.012	<0.0023	<0.0022	<0.0015	<0.0096	<0.0048	<0.0032	<0.0045	<0.0036	<0.0022	<0.0020	<0.060	<0.081	<0.0022	<0.0019	<0.064	<0.0044
PH-8	3	11/6/12	<0.011	<0.0022	<0.0022	<0.0015	<0.0094	<0.0047	<0.0032	<0.0044	<0.0036	<0.0022	<0.0020	<0.059	<0.079	<0.0021	<0.0018	<0.063	<0.0043
PH-9	7	11/6/12	<0.058	0.014 J	<0.011	<0.0077	<0.048	<0.024	<0.016	<0.023	<0.018	<0.011	<0.010	<0.300	1.100	<0.011	<0.0094	<0.320	<0.022
PH-11	5.5	11/6/12	<0.012	0.0099 J	<0.0022	<0.0015	<0.0096	<0.0048	<0.0032	<0.0045	<0.0036	<0.0022	<0.0021	<0.060	<0.081	<0.0022	<0.0019	<0.065	<0.0044
PH-12	8	11/6/12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PH-13	10	11/6/12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PH-14	6	11/6/12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PH-15	7.5	11/6/12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PH-16	1	11/6/12	<0.062	<0.012	<0.012	<0.0082	<0.051	<0.026	<0.017	<0.024	<0.019	<0.012	<0.011	1.900	1.200	<0.012	<0.010	<0.350	<0.023
PH-17	4	11/7/12	<0.013	<0.0025	<0.0024	<0.0017	<0.010	<0.0052	0.011J	0.0075J	0.0095J	<0.0024	<0.0022	<0.066	<0.088	<0.0024	0.0092J	<0.070	<0.0048
PH-18	8	11/7/12	<0.012	0.0066J	0.0037J	<0.0016	<0.0097	<0.0049	<0.0033	<0.0046	<0.0037	<0.0023	<0.0021	0.820	<0.082	<0.0022	<0.0019	**0.100J**	<0.0044
PH-19	11	11/7/12	0.036J	<0.0023	<0.0023	<0.0016	<0.0098	<0.0049	<0.0033	<0.0046	<0.0037	<0.0023	<0.0021	0.430	<0.083	<0.0022	<0.0019	<0.066	<0.0045
PH-20	4	11/7/12	<0.220	<0.043	<0.042	<0.029	<0.180	<0.091	<0.062	<0.086	<0.069	<0.043	<0.039	<1.100	<1.500	<0.041	<0.036	<1.200	<0.083
PH-22	6	11/7/12	<0.011	<0.0022	<0.0022	<0.0015	<0.0094	<0.0047	<0.0032	<0.0044	<0.0036	<0.0022	<0.0020	<0.059	<0.079	<0.0021	<0.0018	<0.063	<0.0043
PH-25	3	11/7/12	<0.012	<0.0023	0.0091J	<0.0016	<0.0099	0.014J	0.140J	0.150J	0.180J	0.110J	<0.0021	<0.062	<0.083	0.011J	0.130J	<0.067	<0.0045
PH-26	12	11/7/12	<0.220	<0.043	<0.042	<0.029	<0.180	<0.091	<0.061	<0.085	<0.069	<0.043	<0.039	1.4J	<1.500	<0.041	<0.035	<1.200	<0.083
PH-27	12	11/7/12	0.039J	0.230	0.045J	<0.0016	0.019J	<0.0050	<0.0034	<0.0047	<0.0038	<0.0023	<0.0022	<0.063	0.340	<0.0023	<0.0020	<0.068	<0.0046
PH-28	2	11/8/12	<0.011	<0.0022	<0.0022	<0.0015	<0.0094	<0.0047	<0.0032	<0.0044	<0.0036	<0.0022	<0.0020	<0.059	<0.079	<0.0021	0.026J	<0.064	<0.0043
PH-29	10	11/8/12	<0.012	<0.0022	<0.0022	<0.0015	<0.0095	<0.0047	<0.0032	<0.0045	<0.0036	<0.0022	<0.0020	<0.060	<0.080	<0.0021	<0.0018	<0.064	<0.0043
PH-30	6	11/8/12	<0.012	<0.0023	<0.0022	<0.0015	<0.0096	<0.0048	<0.0032	<0.0045	<0.0036	<0.0022	<0.0021	<0.060	<0.081	<0.0022	<0.0019	<0.065	0.020J
PH-31	12	11/8/12	<0.110	<0.021	0.170J	<0.014	<0.091	<0.045	<0.031	<0.043	<0.034	<0.021	<0.020	1.300J	<0.770	<0.020	<0.018	<0.610	<0.041
PH-33	1	11/8/12	<0.110	<0.021	<0.020	<0.014	<0.089	<0.044	<0.030	<0.042	<0.034	<0.021	<0.019	1.500J	<0.750	<0.020	<0.017	<0.600	<0.041

[1] Semi-Volatile Organic Compounds; Testing of the samples was in accordance with Method 8270 outlined in 40 CFR, Part 136.

[2] Milligrams per kilogram

[3] 6 NYCRR (New York Codes, Rules, and Regulations) Part 375. Restricted use Soil Cleanup Objectives are for industrial usage. Concentrations and detection limits exceeding a SCO are in bold.

[4] Supplemental Soil Cleanup Objective provided in NYSDEC Policy CP-51 Soil Cleanup Guidance. SSCO is lowest provided for protection of human health, groundwater, or ecological resources.

[5] BLS = Below land surface

[6] J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

NS = Not Sampled

Table 2

Comparison of SVOCs[1] detected in soil samples to NYSDEC Soil Cleanup Objectives; Phase II ESA; ONX1, LLC; Former Magna/New Process Gear Facility, 6600 New Venture Gear Drive; East Syracuse, New York. TTL Project No. 600212-024

Sample Location	Sample Depth (feet BLS[5])	Date	Dibenz(a,h)anthracene (mg/kg)	Dibenzofuran (mg/kg)	Diethyl phthalate (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(1,2,3-cd)pyrene (mg/kg)	Naphthalene (mg/kg)	Phenanthrene (mg/kg)	Phenol (mg/kg)	Pyrene (mg/kg)
Unrestricted Use Soil Cleanup Objective[3]			*0.33*	*---*	*7.1[4]*	*100*	*30*	*0.5*	*12*	*100*	*0.33*	*100*
Restricted Use Soil Cleanup Objective[3]			*1.1*	*---*	*---*	*1,000*	*1,000*	*11*	*1,000*	*1,000*	*1,000*	*1,000*
PH-1	1	11/5/12	<0.0026	<0.0023	<0.0066	0.051 J	<0.0050	<0.0060	<0.0036	0.027 J	<0.023	0.045 J
PH-2	1	11/5/12	<0.012	<0.011	<0.031	0.130 J	<0.023	<0.028	<0.017	<0.021	<0.110	0.110 J
PH-3	0-2.5	11/5/12	**26.000 J**	**30.000 J**	<3.800	**670.000**	**51.000 J**	**74.000 J**	<2.100	**490.000**	<13.000	**470.000**
PH-4	10.5	11/5/12	<0.0023	<0.0020	<0.0058	0.190	<0.0045	0.031 J	<0.0032	0.090 J	<0.020	0.170 J
PH-5	12	11/5/12	<0.0023	<0.0020	<0.0059	<0.0028	<0.0045	<0.0054	<0.0032	<0.0041	<0.020	<0.0013
PH-6	9	11/5/12	<0.0022	<0.0019	<0.0056	<0.0027	<0.0043	<0.0051	<0.0031	<0.0039	<0.020	<0.0012
PH-7	8.5	11/6/12	<0.0022	<0.0019	<0.0056	<0.0027	<0.0043	<0.0051	<0.0031	<0.0039	<0.020	<0.0012
PH-8	3	11/6/12	<0.0022	<0.0019	<0.0055	<0.0027	<0.0042	<0.0051	<0.0031	<0.0039	<0.019	<0.0012
PH-9	7	11/6/12	<0.011	<0.0097	<0.028	<0.014	<0.022	<0.026	<0.016	<0.020	<0.099	<0.0061
PH-11	5.5	11/6/12	<0.0022	<0.0019	<0.0057	<0.0027	<0.0043	<0.0052	0.049 J	<0.0039	<0.020	<0.0012
PH-12	8	11/6/12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PH-13	10	11/6/12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PH-14	6	11/6/12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PH-15	7.5	11/6/12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PH-16	1	11/6/12	<0.012	<0.010	<0.030	<0.015	<0.023	<0.028	<0.017	<0.021	<0.110	0.260 J
PH-17	4	11/7/12	<0.0024	<0.0021	<0.0062	0.0057J	<0.0047	<0.0056	<0.0034	<0.0043	<0.021	0.017J
PH-18	8	11/7/12	<0.0022	0.0081J	<0.0057	0.013J	0.017J	<0.0052	<0.0032	0.054J	<0.020	0.023J
PH-19	11	11/7/12	<0.0023	<0.0020	<0.0058	<0.0028	0.067J	<0.0053	<0.0032	0.280	<0.020	<0.0012
PH-20	4	11/7/12	<0.042	<0.037	<0.110	<0.052	<0.082	<0.099	<0.059	<0.075	<0.380	<0.023
PH-22	6	11/7/12	<0.0022	<0.0019	<0.0055	<0.0027	<0.0042	<0.0051	<0.0030	<0.0038	<0.019	<0.0012
PH-25	3	11/7/12	<0.0023	<0.002	<0.0058	0.160J	<0.0044	0.100J	<0.0032	0.043J	0.032J	0.210
PH-26	12	11/7/12	<0.042	<0.037	<0.110	<0.051	<0.082	<0.098	<0.059	<0.074	<0.370	<0.023
PH-27	12	11/7/12	<0.0023	0.048J	<0.0059	0.120J	0.098J	<0.0054	0.071J	0.410	<0.021	0.150J
PH-28	2	11/8/12	<0.0022	<0.0019	<0.0056	0.014J	<0.0042	0.0088J	<0.0031	<0.0039	<0.019	0.025J
PH-29	10	11/8/12	<0.0022	<0.0019	<0.0056	<0.0027	<0.0043	<0.0051	<0.0031	<0.0039	<0.019	<0.0012
PH-30	6	11/8/12	<0.0022	<0.0019	<0.0056	<0.0027	<0.0043	<0.0052	<0.0031	<0.0039	<0.020	<0.0012
PH-31	12	11/8/12	<0.021	<0.018	<0.054	0.410J	0.210J	<0.049	<0.029	0.720J	<0.190	0.280J
PH-33	1	11/8/12	<0.020	<0.018	0.740J	<0.025	<0.040	<0.048	<0.029	<0.036	<0.180	<0.011

[1] Semi-Volatile Organic Compounds; Testing of the samples was in accordance with Method 8270 outlined in 40 CFR, Part 136.

[2] Milligrams per kilogram

[3] 6 NYCRR (New York Codes, Rules, and Regulations) Part 375. Restricted use Soil Cleanup Objectives are for industrial usage. Concentrations and detection limits exceeding a SCO are in bold.

[4] Supplemental Soil Cleanup Objective provided in NYSDEC Policy CP-51 Soil Cleanup Guidance. SSCO is lowest provided for protection of human health, groundwater, or ecological resources.

[5] BLS = Below land surface

[6] J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

NS = Not Sampled

Table 3

Comparison of total RCRA metals[1] and TPH-DRO[2] detected in soil samples to NYSDEC Soil Cleanup Objectives; Phase II ESA; ONX1, LLC; Former Magna/New Process Gear Facility, 6600 New Venture Gear Drive; East Syracuse, New York. TTL Project No. 600212-024

			PARAMETERS ANALYZED								
			Arsenic	**Barium**	**Cadmium**	**Chromium**	**Lead**	**Selenium**	**Silver**	**Mercury**	**TPH-DRO**
Unrestricted Use Soil Cleanup Objective[3]			*13*	*350*	*2.5*	*30[4]*	*63*	*3.9*	*2*	*0.18*	---
Restricted Use Soil Cleanup Objective[3]			*16*	*10,000*	*60*	*6,800*	*3,900*	*6,800*	*6,800*	*5.7*	
Sample Identifier	Sample Depth (ft, BLS)[5]	Date Collected	Concentrations are in milligrams per kilogram								
PH-1	1	11/5/12	4.4	45.6	0.25	7.8	8.6	<0.50	<0.25	0.068	NA
PH-2	1	11/5/12	3.1	57.8	0.14 J[6]	20.6	6.6	<0.54	<0.27	0.014 J	NA
PH-3	0-2.5	11/5/12	6.0	52.9	1.7	27.1	**67.2**	<0.56	<0.28	**0.24**	4800 H[7]
PH-4	10.5	11/5/12	3.0	49.6	0.10 J	10.4	6.2	<0.50	<0.25	<0.0085	NA
PH-5	12	11/5/12	3.3	51.4	0.077 J	10.3	4.6	<0.43	<0.22	<0.0094	NA
PH-6	9	11/5/12	4.0	47.1	0.10 J	6.9	3.6	<0.47	<0.24	<0.0093	NA
PH-7	8.5	11/6/12	4.4	60.9	0.11 J	11.4	5.0	<0.44	<0.22	<0.0090	NA
PH-8	3	11/6/12	3.1	39.5	0.080 J	5.9	4.2	<0.47	<0.23	<0.0081	NA
PH-9	7	11/6/12	2.2	71.7	0.17 J	11.2	10.6	<0.44	<0.22	0.016 J	6200 H
PH-11	5.5	11/6/12	2.4	13.2	0.098 J	21.5	4.4	<0.44	<0.22	0.011 J	NA
PH-12	8	11/6/12	4.5	30.2	0.098 J	5.6	4.1	<0.47	<0.24	<0.0089	NA
PH-13	10	11/6/12	4.2	83.9	0.085 J	13.5	2.9	<0.45	<0.23	<0.0093	NA
PH-14	6	11/6/12	2.7	27.1	0.31	8.1	5.0	<0.52	<0.26	<0.0091	NA
PH-15	7.5	11/6/12	**13.8**	43.3	0.14 J	14.3	32.1	<0.45	0.32 J	0.059	NA
PH-16	1	11/6/12	3.1	17.7	0.12 J	18.7	11.2	<0.43	<0.21	<0.0090	1600 H
PH-17	4	11/7/12	**21.7**	56.7	0.16J	26.7	34.1	<0.52	<0.0026	0.027	NA
PH-18	8	11/7/12	**21.6**	23.7	0.15J	25.3	37.0	<0.48	<0.24	0.031	NA
PH-19	11	11/7/12	2.9	35.6	0.082J	22.0	7.9	<0.47	<0.23	<0.0094	NA
PH-20	4	11/7/12	4.9	184	0.35	7.5	8.8	0.47J	<0.21	0.0091J	3000 H
PH-22	6	11/7/12	2.4	18.7	0.085J	23.8	2.4	<0.43	<0.22	<0.0091	NA
PH-25	3	11/7/12	6.8	41.5	0.15J	16.4	12.6	<0.45	<0.23	0.015J	NA
PH-26	12	11/7/12	5.5	54	0.086J	5.2	3.7	<0.44	<0.22	<0.0083	5500 H
PH-27	12	11/7/12	2.7	47.2	0.13J	23.4	2.4	<0.51	<0.26	<0.0089	NA
PH-28	2	11/8/12	6.0	57.8	<0.032	6.1	6.0	0.58J	<0.22	<0.0083	NA
PH-29	10	11/8/12	**22.6**	31.0	0.21J	16.7	30.3	<0.46	<0.23	0.079	NA
PH-30	6	11/8/12	5.4	28.5	<0.033	5.1	4.6	<0.45	<0.22	0.022	NA
PH-31	12	11/8/12	2.0J	51	0.094J	18.6	1.2	<0.46	<0.23	<0.0082	NA
PH-33	1	11/8/12	2.4	267	<0.029	6.6	4.3	0.62J	<0.19	0.018J	NA

[1] Samples were analyzed for total Resource Conservation and Recovery Act (RCRA) metals, and mercury in general accordance with Methods 6010 and 7471A outlined in "Test Methods for Evaluating Solid Waste Physical/Chemical Methods", EPA, SW-846.

[2] TPH-DRO = Total petroleum hydrocarbons - diesel range organics. Samples were analyzed for total Resource Conservation and Recovery Act (RCRA) metals, and mercury in general accordance with Methods 6010 and 7471A outlined in "Test Methods for Evaluating Solid Waste Physical/Chemical Methods", EPA, SW-846.

[3] 6 NYCRR (New York Codes, Rules, and Regulations) Part 375. Restricted use Soil Cleanup Objectives are for industrial usage. Concentrations and detection limits exceeding a SCO are in bold.

[4] SCO given is for trivalent chromium.

[5] Feet, below land surface

[6] J= Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value. H = sample was analyzed outside of holding time, which could result in a lower value reported.

[7] H - Samples were analyzed outside of the prescribed holding time, which could result in the reported concentration being lower than actual.

Table 4

Comparison of VOCs[1] detected in groundwater samples to Water Quality Standards; Phase II ESA; ONX1, LLC; Former Magna/New Process Gear Facility, 6600 New Venture Gear Drive; East Syracuse, New York. TTL Project No. 600212-024

Probe-hole Identifier	Date Sampled	1,1,2-Trichloro-1,2,2-trifluoroethane (ug/L)[2]	1,1-Dichloroethane (ug/L)	1,2,4-Trichlorobenzene (ug/L)	1,2-Dichlorobenzene	2-Hexanone (ug/L)	2-Butanone (MEK) (ug/L)	4-Methyl-2-pentanone (MIBK) (ug/L)	Acetone (ug/L)	Carbon Disulfide (ug/L)	cis-1,2-Dichloroethene (ug/L)	Dichlorodifluoromethane (ug/L)	Methyl Acetate (ug/L)	Methylcyclohexane (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Trichloroethene (ug/L)	Xylenes, Total (ug/L)
Water Quality Standard[3]		*5*	*5*	*5*	*3*	*---*	*---*	*---*	*---*	*60*	*5*	*5*	*---*	*---*	*5*	*5*	*5*	*5*
Guidance Value[4]		*---*	*---*	*---*	*---*	*50*	*50*	*---*	*50*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*
PH-1	11/5/12	<0.31	<0.38	<0.41	<0.79	<1.2	<1.3	<2.1	4.0J[5]	0.21J	<0.81	<0.68	<0.50	<0.16	<0.36	0.80J	<0.46	<0.66
PH-2	11/5/12	<0.31	<0.38	<0.41	<0.79	<1.2	<1.3	<2.1	4.6J	<0.19	<0.81	<0.68	<0.50	<0.16	<0.36	<0.51	<0.46	<0.66
PH-3	11/5/12	3.7	0.47J	<0.41	1.8	<1.2	<1.3	<2.1	5.8J	1.4	<0.81	**54**	<0.50	<0.16	<0.36	**13**	<0.46	<0.66
PH-4	11/5/12	<0.31	<0.38	<0.41	<0.79	<1.2	<1.3	<2.1	3.3J	0.29J	<0.81	<0.68	<0.50	0.58J	<0.36	<0.51	<0.46	<0.66
PH-5	11/6/12	<0.31	<0.38	<0.41	<0.79	<1.2	2.0J	<2.1	11	<0.19	<0.81	<0.68	<0.50	<0.16	0.43J	0.72J	<0.46	<0.66
PH-6	11/5/12	<0.31	<0.38	<0.41	<0.79	<1.2	<1.3	<2.1	7.0J	0.35J	<0.81	<0.68	<0.50	0.64J	<0.36	<0.51	<0.46	<0.66
PH-7	11/6/12	<0.31	<0.38	<0.41	<0.79	<1.2	<1.3	<2.1	<3.0	<0.19	<0.81	<0.68	<0.50	0.26J	<0.36	<0.51	<0.46	<0.66
PH-16	11/8/12	<0.31	<0.38	<0.41	<0.79	<1.2	1.6J	<2.1	12	2.2	<0.81	<0.68	<0.50	<0.16	<0.36	<0.51	0.56J	<0.66
PH-17	11/7/12	<0.31	<0.38	<0.41	<0.79	<1.2	<1.3	<2.1	5.6J	3.1	<0.81	<0.68	<0.50	<0.16	<0.36	<0.51	<0.46	<0.66
PH-26	11/7/12	<0.31	<0.38	0.48J	<0.79	2.2J	8.9J	3.5J	**62**	3.4	**5.3**	<0.68	8.2	<0.16	1.3	<0.51	1.0	2.2
PH-27	11/7/12	<0.31	<0.38	<0.41	<0.79	<1.2	<1.3	<2.1	<3.0	<0.19	<0.81	<0.68	<0.50	<0.16	<0.36	<0.51	<0.46	<0.66
PH-31	11/8/12	<0.31	<0.38	<0.41	<0.79	<1.2	4.3J	<2.1	29	0.35J	<0.81	<0.68	2.8	<0.16	<0.36	0.66J	0.58J	<0.66
PH-33	11/8/12	<0.31	<0.38	<0.41	<0.79	<1.2	<1.3	<2.1	<3.0	<0.19	<0.81	<0.68	<0.50	<0.16	<0.36	<0.51	<0.46	<0.66
Blank	11/8/12	<0.31	<0.38	<0.41	<0.79	<1.2	<1.3	<2.1	<3.0	<0.19	<0.81	<0.68	<0.50	<0.16	<0.36	<0.51	<0.46	<0.66

[1] Volatile Organic Compounds; Testing of the samples was in accordance with Method 8260 outlined in 40 CFR, Part 136.

[2] Micrograms per liter

[3] WQS = Water Quality Standard as defined in Table 1 (cf. Section 703.5) Water Quality Standards Surface Waters and Groundwater: Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations

[4] Guidance Value = Defined in Table 1 of Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, dated 1998

[5] J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

Concentrations exceeding a WQS or Guidance Value are in bold.

Table 5

Comparison of SVOCs[1] detected in groundwater samples to Water Quality Standards; Phase II ESA; ONX1, LLC; Former Magna/New Process Gear Facility, 6600 New Venture Gear Drive; East Syracuse, New York. TTL Project No. 600212-024

Probe-hole Identifier	Date Sampled	2-Methylnaphthalene (ug/L)[2]	Acenaphthene (ug/L)	Acenaphthylene (ug/L)	Anthracene (ug/L)	Benzo(a)anthracene (ug/L)	Benzo(a)pyrene (ug/L)	Benzo(b)fluoranthene (ug/L)	Benzo(g,h,i)perylene (ug/L)	Benzo(k)fluoranthene (ug/L)	Bis(2-ethylhexyl)phthalate (ug/L)	Caprolactum (ug/L)	Carbazole (ug/L)	Chrysene (ug/L)	Di-n-octyl phthalate (ug/L)	Dibenz(a,h)anthracene (ug/L)	Dibenzofuran (ug/L)	Fluoranthene (ug/L)	Fluorene (ug/L)	Indeno(1,2,3-cd)pyrene (ug/L)	Phenanthrene (ug/L)	Pyrene (ug/L)
Water Quality Standard[3]		---	---	---	---	---	*ND*	---	---	---	*5*	---	---	---	---	---	---	---	---	---	---	---
Guidance Value[4]		---	*20*	---	*50*	*0.002*	---	*0.002*	---	*0.002*	---	---	---	*0.002*	*50*	---	---	*50*	*50*	*0.002*	*50*	*50*
PH-1	11/5/12	<0.57	<0.39	0.42J[5]	0.55J	**4.3J**	**5.3**	**7.3**	1.7J	<0.70	**11**	<2.1	0.56J	**5.0**	2.7J	<0.40	<0.49	7.8	<0.34	**2.0J**	3.6J	8.0
PH-2	11/5/12	<0.57	<0.39	<0.36	<0.26	**1.1J**	**1.4J**	**1.8J**	0.56J	<0.69	**8.5**	<2.1	<0.28	**1.2J**	2.5J	<0.40	<0.48	1.4J	<0.34	**0.56J**	<0.42	1.9J
PH-3	11/5/12	6.7J	**42J**	<3.6	**52**	**250**	**260**	**380**	67	**150**	**110**	49	62	**240**	<4.4	19J	22J	**500**	37J	**74**	**280**	**430**
PH-4	11/5/12	<0.57	<0.39	<0.36	<0.26	**0.52J**	**0.52J**	**0.70J**	<0.33	<0.69	<1.7	<2.1	<0.28	**0.56J**	<0.44	<0.40	<0.48	0.49J	<0.34	<0.44	<0.42	0.80J
PH-5	11/6/12	<0.57	0.60J	<0.36	<0.27	<0.34	<0.45	<0.32	<0.33	<0.70	<1.7	<2.1	<0.29	<0.31	<0.45	<0.40	<0.49	<0.38	<0.34	<0.45	<0.42	<0.32
PH-6	11/5/12	<0.58	0.66J	<0.37	<0.27	<0.35	<0.45	<0.33	<0.34	<0.70	<1.7	<2.1	0.71J	<0.32	<0.45	<0.40	0.51J	<0.38	0.60J	<0.45	<0.42	<0.33
PH-7	11/6/12	<0.57	<0.39	<0.36	<0.27	<0.34	<0.45	<0.32	<0.33	<0.69	<1.7	<2.1	<0.28	<0.31	<0.45	<0.40	<0.48	<0.38	<0.34	<0.45	<0.42	<0.32
PH-16	11/8/12	<12	<8.3	<7.7	<5.6	<7.3	<9.5	<6.9	<7.1	<15	<36	<44	<6.1	<6.7	<9.5	<8.5	<10	<8.1	<7.3	<9.5	<8.9	<6.9
PH-17	11/7/12	<0.58	<0.40	<0.37	<0.27	<0.35	<0.46	<0.33	<0.34	<0.71	<1.8	<2.1	<0.29	<0.32	<0.46	<0.41	<0.50	<0.39	<0.35	<0.46	<0.43	<0.33
PH-26	11/7/12	<780	<490	<460	<340	<430	<560	<410	<420	<880	**8300**	<2600	<360	<400	<560	<500	<610	<480	<430	<560	<530	<410
PH-27	11/7/12	<0.67	<0.46	<0.43	<0.31	<0.40	<0.53	<0.38	<0.39	<0.82	<2.0	<2.5	<0.34	<0.37	<0.53	<0.47	<0.57	<0.45	<0.40	<0.53	<0.49	<0.38
PH-31	11/8/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PH-33	11/8/12	<0.61	<0.41	<0.38	<0.28	<0.36	<0.47	<0.34	<0.35	<0.74	<1.8	<2.2	<0.30	<0.33	<0.47	<0.42	<0.51	<0.40	<0.36	<0.47	<0.44	<0.34

[1] Semi-Volatile Organic Compounds; Testing of the samples was in accordance with Method 8270 outlined in 40 CFR, Part 136.

[2] ug/L = Micrograms per liter

[3] WQS = Water Quality Standard as defined in Table 1 (cf. Section 703.5) Water Quality Standards Surface Waters and Groundwater: Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations

[4] Guidance Value = Defined in Table 1 of Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, dated 1998

[5] J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an

NA = Not analyzed for this constituent

Concentrations exceeding a WQS are in bold.

Table 6

Comparison of total and dissolved RCRA metals[1] detected in groundwater samples to Water Quality Standards; Phase II ESA; ONX1, LLC; Former Magna/New Process Gear Facility, 6600 New Venture Gear Drive; East Syracuse, New York. TTL Project No. 600212-024

Probe-hole Identifier	Date Sampled	Total Arsenic (ug/L)	Dissolved Arsenic (ug/L)[2]	Total Barium (ug/L)	Dissolved Barium (ug/L)	Total Cadmium (ug/L)	Dissolved Cadmium(ug/L)	Total Chromium (ug/L)	Dissolved Chromium (ug/L)	Total Lead (ug/L)	Dissolved Lead (ug/L)	Total Selenium (ug/L)	Dissolved Selenium (ug/L)	Total Silver (ug/L)	Dissolved Silver (ug/L)	Total Mercury (ug/L)	Dissolved Mercury (ug/L)
Water Quality Standard[3]		*25*	*---*	*1000*	*---*	*5*	*---*	*50*	*---*	*25*	*---*	*10*	*---*	*50*	*---*	*0.7*	*---*
PH-1	11/5/12	**200**	<5.6	**2500**	83	<0.50	<0.50	**780**	<1.0	**750**	<3.0	**17**	<8.7	<1.7	<1.7	<0.12	<0.12
PH-2	11/5/12	**130**	<5.6	**1900**	<0.70	**6.7**	<0.50	**680**	<1.0	**460**	<3.0	<8.7	<8.7	<1.7	<1.7	<0.12	<0.12
PH-3	11/5/12	**200**	<5.6	**2400**	49	**35**	<0.50	**1100**	<1.0	**2500**	<3.0	**17J[4]**	<8.7	3.7J	<1.7	<0.12	<0.12
PH-4	11/5/12	**75**	<5.6	**1900**	290	2.5	<0.50	**310**	<1.0	**150**	<3.0	<8.7	<8.7	<1.7	<1.7	<0.12	<0.12
PH-5	11/6/12	**84**	<5.6	**12200**	5800	1.6	<0.50	**240**	5.7	**100**	<3.0	<8.7	<8.7	<1.7	<1.7	0.12J	<0.12
PH-6	11/5/12	**87**	<5.6	**1700**	1300B7 [5]	1.9	<0.50	**380**	<1.0	**130**	<3.0	<8.7	<8.7	<1.7	<1.7	<0.12	<0.12
PH-7	11/6/12	10	<5.6	530	200	<0.50	<0.50	4.9	<1.0	<3.0	<3.0	<8.7	<8.7	<1.7	<1.7	<0.12	<0.12
PH-16	11/8/12	**34**	6.6J	470	170	1.2	<0.50	**100**	<1.0	**100**	<3.0	<8.7	<8.7	<1.7	<1.7	<0.12	<0.12
PH-17	11/7/12	**43**	<5.6	**1400**	59	**11**	<0.50	**410**	4.1	**480**	<3.0	<8.7	<8.7	2.1J	<1.7	0.21	<0.12
PH-26	11/7/12	**120**	7.1J	**1500**	890	2.0	<0.50	**170**	<1.0	**110**	<3.0	<8.7	<8.7	<1.7	<1.7	<0.12	<0.12
PH-27	11/7/12	**1300**	23	**6800**	140	10	<0.50	**1100**	<1.0	**3000**	<3.0	**20**	<8.7	<8.5	<1.7	**1.6**	<0.12
PH-31	11/8/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PH-33	11/8/12	**100**	11	**2500**	67	1.4	<0.50	**110**	<1.0	**150**	<3.0	<8.7	<8.7	<1.7	<1.7	<0.12	<0.12

[1] Resource Conservation and Recovery Act Metals; Testing of the samples was in accordance with Method 6010B and 7470A outlined in 40 CFR, Part 136.

[2] Micrograms per liter

[3] WQS = Water Quality Standard as defined in Table 1 Part 703: Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations

[4] J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

[5] B7 = Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the blank.

Concentrations exceeding a WQS are in bold.

APPENDICES

APPENDIX A
SOIL BORING LOGS

TTL
geotechnical • analytical • materials • environmental

ONX1, LLC
FORMER MAGNA/NEW PROCESS GEAR FACILITY

SYRACUSE, NEW YORK

LOG OF BORING PH-1 & PIEZOMETER CONSTRUCTION

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/5/2012
DRILLING COMPANY	Zebra	**CASING DIA./TYPE**	1" PVC
DRILLER	E. Plank	**SCREEN SLOT/TYPE**	0.010-in. slotted PVC
DRILLING METHOD	Hand Auger	**FILTER PACK TYPE**	
		TOP OF CASING	
REMARKS	In former "upper" stormwater pond south of building	**GROUND ELEVATION**	
		DEPTH TO WATER	
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	% RECOVERY	PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	PIEZOMETER DIAGRAM
		OH	0 - 1	100	0	SILT, brown (7.5YR 4/2), heavy organics, saturated		
			1 - 1	100	0			
			1 - 2	100	0			
		CL	2 - 2	100	0	SILTY CLAY, gray (10YR 5/1) and brown, mottled, plastic, organic material		
		OH	2 - 3	100	0	SILT, brown and gray with greenish gray (GLEY1 6/1) mottles, organic material decreasing with depth		1" pipe installed to collect groundwater sample
			3 - 3	100	0			
			3 - 4	100	0			
			4 - 4	100	0			
		GM	4 - 5	100	0	GRAVELLY SILT, reddish brown (5YR 5/3)		
5			5 - 5	100	0			

BORING TERMINATED AT 5 FEET.

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SYRACUSE, NEW YORK

LOG OF BORING PH-2 & PIEZOMETER CONSTRUCTION

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/5/2012
DRILLING COMPANY	Zebra	**CASING DIA./TYPE**	1" PVC
DRILLER	E. Plank	**SCREEN SLOT/TYPE**	0.010-in. slotted PVC
DRILLING METHOD	Hand Auger	**FILTER PACK TYPE**	
		TOP OF CASING	
REMARKS	In former "upper" stormwater pond south of building	**GROUND ELEVATION**	
		DEPTH TO WATER	
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	PIEZOMETER DIAGRAM
		OH	0 - 1	100	0	ORGANICs, brown (10YR 5/3), WET		
		GM	1 - 1	100	0	GRAVELLY SILT, reddish gray (5YR 5/2), SATURATED		
			1 - 2	100	0			
			2 - 2	100	0	GRAVELLY SILT, reddish brown (5YR 5/3), WET, with pea gravel (CHERT)		1" pipe installed to collect groundwater sample
			2 - 3	100	0			
			3 - 3	100	0			
			3 - 4	100	0	GRAVELLY SILT, reddish brown with greenish gray (GLEY2 6/1) mottles		
			4 - 4	100	0			
			4 - 5	100	0			
5			5 - 5	100	0			

BORING TERMINATED AT 5 FEET.

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LOG OF BORING PH-3 & PIEZOMETER CONSTRUCTION

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/5/2012
DRILLING COMPANY	Zebra	**CASING DIA./TYPE**	1" PVC
DRILLER	E. Plank	**SCREEN SLOT/TYPE**	0.010-in. slotted PVC
DRILLING METHOD	Hand Auger	**FILTER PACK TYPE**	
		TOP OF CASING	
REMARKS	At east side (infall) of current stormwater pond	**GROUND ELEVATION**	
	(lower)	**DEPTH TO WATER**	
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	PIEZOMETER DIAGRAM
		PT	0 - 3	20	2.3	"MUCK", black (10YR 2/1), organic material, looks and smells like motor oil		1" pipe installed to collect groundwater sample
			3 - 3	100				
			3 - 4	100				
			4 - 4	100				
			4 - 5	100				
5		OH	5 - 5	100		SILT, brown (7.5YR 5/2)		

BORING TERMINATED AT 5 FEET.

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SYRACUSE, NEW YORK

LOG OF PROBEHOLE PH-4 & PIEZOMETER CONSTRUCTION

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/5/2012
DRILLING COMPANY	Zebra	**CASING DIA./TYPE**	1" PVC
DRILLER	E. Plank	**SCREEN SLOT/TYPE**	0.010-in. slotted PVC
DRILLING METHOD	Geoprobe	**FILTER PACK TYPE**	
		TOP OF CASING	
REMARKS	At north side of current stormwater pond (lower)	**GROUND ELEVATION**	
	along outfall	**DEPTH TO WATER**	
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	PIEZOMETER DIAGRAM
		OH	0 - 4	88	0 0 0 0	SILT, brown (7.5YR 5/3), some slag		
5		ML	4 - 8	100	0 0 0 0	SILT, reddish brown (5YR 5/3) grading to gray (10YR 5/1), some chert, moist at 7.5'		1" pipe installed to collect groundwater sample
			8 - 12	75				
10		GM				8" layer of SILTY GRAVEL, SATURATED		
		GM				GRAVELLY SILT, slightly moist, some clay		
						PROBEHOLE TERMINATED AT 12 FEET.		

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LOG OF PROBEHOLE PH-5 & PIEZOMETER CONSTRUCTION

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/5/2012
DRILLING COMPANY	Zebra	**CASING DIA./TYPE**	1" PVC
DRILLER	E. Plank	**SCREEN SLOT/TYPE**	0.010-in. slotted PVC
DRILLING METHOD	Geoprobe	**FILTER PACK TYPE**	
		TOP OF CASING	
REMARKS	Along west side of current USTs	**GROUND ELEVATION**	
		DEPTH TO WATER	
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	PIEZOMETER DIAGRAM
		OL	0 - 4	63	0	Concrete		
					0	SILT, light olive gray (5Y 6/2) and reddish brown (5YR 5/4), mottled		
					0			
					0			
5		GM	4 - 8	100	0	SILT with GRAVEL (chert); light brownish red (5YR 6/3) and yellowish red (5YR 5/6), gravel is pea-size up to 1"		
					0			
					0			
					0			1" pipe installed to collect groundwater sample
10			8 - 12	100	0			
					0			
					0			
					0			
			12 - 16	100	0	GRAVELLY SILT, with abundant chert		
					0	----3" moist zone----		
					0			
15					0			
		ML	16 - 20	100	0	SILT, weak red (10R 5/2), stiff, very hard		
					0	SILT, reddish brown (2.5YR 5/3), stiff, almost siltstone, some chert		
					0			
					0			
20					0	PROBEHOLE REFUSAL AT 20 FEET.		

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LOG OF PROBEHOLE PH-6 & PIEZOMETER CONSTRUCTION

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/5/2012
DRILLING COMPANY	Zebra	**CASING DIA./TYPE**	1" PVC
DRILLER	E. Plank	**SCREEN SLOT/TYPE**	0.010-in. slotted PVC
DRILLING METHOD	Geoprobe	**FILTER PACK TYPE**	
		TOP OF CASING	
REMARKS	At northwest corner of current USTs	**GROUND ELEVATION**	
		DEPTH TO WATER	
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	PIEZOMETER DIAGRAM
			0 - 4	63	0 0 0	Concrete SILT with GRAVEL, reddish brown (2.5YR 4/4) and light olive gray (5Y 6/2), mottled, hard		
5		GM	4 - 8	100	0 0 0 0	SILT with GRAVEL, weak red (2.5YR 5/2)		1" pipe installed to collect groundwater sample
			8 - 12	100	0 0 0 0			
10		MH				SILT, weak red and light olive brown (2.5Y 5/3), very moist, plastic		
		GM	12 - 14	100		GRAVELLY SILT, reddish gray (10R 5/1), SATURATED		
						PROBEHOLE TERMINATED AT 14 FEET.		

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LOG OF PROBEHOLE PH-7 & PIEZOMETER CONSTRUCTION

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/6/2012
DRILLING COMPANY	Zebra	**CASING DIA./TYPE**	1" PVC
DRILLER	E. Plank	**SCREEN SLOT/TYPE**	0.010-in. slotted PVC
DRILLING METHOD	Geoprobe	**FILTER PACK TYPE**	
		TOP OF CASING	
REMARKS	At northeast corner of current USTs	**GROUND ELEVATION**	
		DEPTH TO WATER	
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	PIEZOMETER DIAGRAM
			0 - 4	75	0 0 0	Asphalt CLAYEY SILT with GRAVEL, reddish brown (2.5YR 4/3)		
5		GM	4 - 8	100	0 0 0 0	CLAYEY SILT with GRAVEL (chert), reddish brown (5YR 5/3)		1" pipe installed to collect groundwater sample
10			8 - 12	100	0 0 0 0	CLAYEY SILT with GRAVEL, more gravel than above, some sandy lenses, very moist		
		GP	12 - 14	100		GRAVELLY SAND, fine-grained, grading to GRAVELLY CLAY, tight		
						PROBEHOLE TERMINATED AT 14 FEET.		

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LOG OF PROBE HOLE PH-8

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/6/2012
DRILLING COMPANY	Zebra	**GROUND ELEVATION**	
DRILLER	E. Plank	**DEPTH TO WATER**	
DRILLING METHOD	Geoprobe	**WATER ELEVATION**	

REMARKS Advanced in East Pad. Borehole was dry. No groundwater sample collected.

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
			0 - 4	75	13.3	Concrete and concrete base/slag		
					3.8			
		GM			1.1	SILT with GRAVEL, brown (7.5YR 5/3)		
			4 - 8	100	0			
5					0			
					0			
					0	----2-inch moist zone----		
			8 - 12	100	0	SILT with GRAVEL (chert), hardening with depth, very stiff, dense		
					0			
10					0			
					2.4			
			12 - 15	100	0			
					0			
15						PROBE REFUSAL AT 15 FEET.		

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LOG OF PROBE HOLE PH-9

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/6/2012
DRILLING COMPANY	Zebra	**GROUND ELEVATION**	
DRILLER	E. Plank	**DEPTH TO WATER**	
DRILLING METHOD	Geoprobe	**WATER ELEVATION**	

REMARKS At wastewater treatment plant; No groundwater was encountered in the probehole

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
			0 - 4	50		CONCRETE		
						SANDY SILT, brown (7.5YR 4/2)		
					0			
					0			
		SM						
			4 - 8	75				
5					0			
					5.9			
					2.9	3"- 4" staining with black sheen		
						SILT, gray (5Y 6/1), hard		
		ML	8 - 10	100	1.6			
					1.6			
					1.1			
10					1.2	SILT, pale olive (5Y 6/4), hard		
						PROBE REFUSAL AT 10 FEET.		

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LOG OF PROBE HOLE PH-10

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/6/2012
DRILLING COMPANY	Zebra	**GROUND ELEVATION**	
DRILLER	E. Plank	**DEPTH TO WATER**	
DRILLING METHOD	Geoprobe	**WATER ELEVATION**	

REMARKS Wastewater Treatment Plant; No groundwater was encountered in the probehole

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
			0 - 4	63		Concrete		
		CL				CLAY, light olive brown (2.5Y 5/3), plastic		
		ML				SILT, gray (10YR 6/1), hard		
			4 - 7	100				
5								
						PROBE REFUSAL AT 7 FEET.		

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LOG OF PROBE HOLE PH-11

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/6/2012
DRILLING COMPANY	Zebra	**GROUND ELEVATION**	
DRILLER	E. Plank	**DEPTH TO WATER**	
DRILLING METHOD	Geoprobe	**WATER ELEVATION**	

REMARKS Along storm sewer - reported collapsd on east side of plant; No groundwater was encountered in the probehole

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
			0 - 4	75	0	Concrete and concrete base/slag with light yellowish brown (2.5Y 6/3) silt		
					0			
					0	SILT with GRAVEL, light olive brown (2.5Y 5/3)		
		GM	4 - 8	100	0			
5					0			
					0	CLAYEY SILT, weak red (2.5YR 4/2)		
		ML			0	SILT, light gray (2.5Y 7/1), dry		
			8 - 9	100		SHALE, light gray (5Y 7/1), crushed to powder and lenses		
						PROBE REFUSAL AT 9 FEET.		

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LOG OF PROBE HOLE PH-12

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/6/2012
DRILLING COMPANY	Zebra	**GROUND ELEVATION**	
DRILLER	E. Plank	**DEPTH TO WATER**	
DRILLING METHOD	Geoprobe	**WATER ELEVATION**	

REMARKS Background probehole in grassy area north of administration building

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
		ML	0 - 4	50	0 0	SILT, dark brown (7.5YR 3/2), some organic material		
		GM				GRAVELLY SILT with CLAY, reddish brown (5YR 4/3), moist		
5			4 - 8	63	0 0			
						4" SAND seam, strong brown (7.5YR 5/6), fine-grained		
			8 - 12	100	0 0 0 0	GRAVELLY SILT with CLAY, reddish brown, moist		
10								
			12 - 16	100		GRAVELLY SILT with CLAY, reddish gray (2.5YR 5/1) -----very moist to SATURATED----		
						GRAVELLY SILT with CLAY, reddish brown (2.5YR 5/3) SILT with CLAY, reddish brown, hard, dry		
15								
						PROBEHOLE TERMINATED AT 16 FEET.		

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LOG OF PROBE HOLE PH-13

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/6/2012
DRILLING COMPANY	Zebra	**GROUND ELEVATION**	
DRILLER	E. Plank	**DEPTH TO WATER**	
DRILLING METHOD	Geoprobe	**WATER ELEVATION**	

REMARKS Background probehole in east parking lot

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
			0 - 4	75		Asphalt with slag and gravel base		
		GM			0 0 0	GRAVELLY SILT, weak red (10R 5/4)		
5		GM	4 - 8	100	0 0 0 0	GRAVELLY SILT, dark yellowish brown (10YR 4/4) to weak red, moist, hard		
10		GM	8 - 12	100	0 0 0 0			
		ML	12 - 15	100	0 0 0	SILT/SILTSTONE, very stiff, some greenish gray (GLEY1 6/1) shale pieces		
15						PROBEHOLE TERMINATED AT 15 FEET.		

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LOG OF PROBE HOLE PH-14

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/6/2012
DRILLING COMPANY	Zebra	**GROUND ELEVATION**	
DRILLER	E. Plank	**DEPTH TO WATER**	
DRILLING METHOD	Geoprobe	**WATER ELEVATION**	

REMARKS Background probehole in west/main parking lot

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
		SP	0 - 4	100	0	SANDY TOPSOIL, very dark gray (10YR 3/1), with organics		
					0	SILT, yellowish brown (10YR 5/6)		
					0			
					0			
			4 - 8	100	0	SILT, light yellowish brown (10YR 6/4), moist		
5					0			
		ML			0			
					0			
			8 - 12	100				
10						----WET-----		
						PROBEHOLE TERMINATED AT 12 FEET.		

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LOG OF PROBE HOLE PH-15

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/6/2012
DRILLING COMPANY	Zebra	**GROUND ELEVATION**	
DRILLER	E. Plank	**DEPTH TO WATER**	
DRILLING METHOD	Geoprobe	**WATER ELEVATION**	

REMARKS Background probehole in southeast corner of site, on testing track

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
		ML	0 - 4	100	0 0 0 0	SILT, with GRAVEL, gray (2.5Y 6/1)		
						SILT, with GRAVEL, reddish brown (2.5YR 5/4), hard		
5			4 - 8	100	0 0 0 0			
		ML				SHALE and SILT, greenish gray (5G 6/1)		
			8 - 12	100		----SATURATED----		
10						SILT, dark reddish gray (10R 4/1), dry		
		ML	12 - 16	100		GRAVELLY SILT, dark reddish gray (10R 4/1), SATURATED		
15								
						PROBEHOLE TERMINATED AT 16 FEET.		

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LOG OF PROBEHOLE PH-16 & PIEZOMETER CONSTRUCTION

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/6/2012
DRILLING COMPANY	Zebra	**CASING DIA./TYPE**	1" PVC
DRILLER	E. Plank	**SCREEN SLOT/TYPE**	0.010-in. slotted PVC
DRILLING METHOD	Geoprobe	**FILTER PACK TYPE**	
		TOP OF CASING	
REMARKS	Installed beneath indoor railroad spur (Area 691)	**GROUND ELEVATION**	
		DEPTH TO WATER	
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	PIEZOMETER DIAGRAM
		GM	0 - 4	50	6.3	GRAVEL/SILT, dark gray (5Y 4/1), hard-packed, with oily sheen		
		ML			1.0	SILT, mottled reddish brown (2.5YR 5/3) and greenish gray (5G 6/1)		
			4 - 8		3.7	Interbedded SILT and SHALE, red (10R 5/6)		1" pipe installed to collect groundwater sample
5					1.3			
					0.5			
			8 - 12					
10								
						PROBEHOLE TERMINATED AT 12 FEET.		

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LOG OF PROBEHOLE PH-17 & PIEZOMETER CONSTRUCTION

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/7/2012
DRILLING COMPANY	Zebra	**CASING DIA./TYPE**	1" PVC
DRILLER	E. Plank	**SCREEN SLOT/TYPE**	0.010-in. slotted PVC
DRILLING METHOD	Geoprobe	**FILTER PACK TYPE**	
		TOP OF CASING	
REMARKS	On south side of plant by collapsed storm sewer	**GROUND ELEVATION**	
		DEPTH TO WATER	
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	PIEZOMETER DIAGRAM
		SP	0 - 4	75		CONCRETE		
					0	SANDY FILL, very dark grayish brown (2.5Y 3/2), with stormwater pooled beneath concrete due to collapsed drain		
		ML			0	SILT, mottled light olive gray (5Y 6/2) and light yellowish brown (2.5Y 6/4), hard, WET from stormwater		
					0			
5		ML	4 - 8	100		SHALE interlayered with SILT, colored as above		1" pipe installed to collect groundwater sample
						PROBEHOLE TERMINATED AT 8 FEET.		

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LOG OF PROBE HOLE PH-18

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/7/2012
DRILLING COMPANY	Zebra	**GROUND ELEVATION**	
DRILLER	E. Plank	**DEPTH TO WATER**	
DRILLING METHOD	Geoprobe	**WATER ELEVATION**	

REMARKS Near industrial piping at column H35; No groundwater was encountered in the probehole

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
			0 - 4	50		CONCRETE		
					0	CLAYEY SILT, pale brown (10YR 6/3), with schistose pieces		
					0			
5		ML	4 - 8	100	0	CLAYEY SILT, light yellowish brown (2.5Y 6/4) and light olive brown (2.5Y 5/4)		
					0			
					0	----with relic bedding and foliation----		
					5.4			
10		ML	8 - 11	100	2.9	SILT, gray (2.5Y 6/1) and partially competent SHALE		
					0.4			
					0.9			
					1.6			
						PROBE REFUSAL AT 11 FEET.		

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LOG OF PROBE HOLE PH-19

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/7/2012
DRILLING COMPANY	Zebra	**GROUND ELEVATION**	
DRILLER	E. Plank	**DEPTH TO WATER**	
DRILLING METHOD	Geoprobe	**WATER ELEVATION**	

REMARKS Near industrial piping at column E31; No groundwater was encountered in the probehole

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
			0 - 4	50		CONCRETE		
		ML			0 0.2	SILTY SAPROLITE, dark grayish brown (10YR 4/2), with gravel		
						CONCRETE		
5		ML	4 - 8	100	0 3 0.6 15.2	SILTY SAPROLITE, light yellowish brown (2.5Y 6/4), with foliation		
			8 - 11	100	0.5 14.9 14.6 23.7	SILTY SAPROLITE, olive yellow (2/5Y 6/8), with clay		
10						PROBEHOLE TERMINATED AT 11 FEET.		

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LOG OF PROBE HOLE PH-20

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/7/2012
DRILLING COMPANY	Zebra	**GROUND ELEVATION**	
DRILLER	E. Plank	**DEPTH TO WATER**	
DRILLING METHOD	Geoprobe	**WATER ELEVATION**	

REMARKS 'Area 880' - machining; in newer part of building; No groundwater was encountered in the probehole

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
		ML	0 - 4	44	0.2 0.4	CONCRETE SILTY SAPROLITE, very dark grayish brown (10YR 3/2), weathered		
5		ML	4 - 7		1.9 3.9	----black staining with oily sheen and hydrocarbon odor---- SHALE, olive gray (5Y 5/2), weathered		
						PROBE REFUSAL AT 7 FEET.		

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LOG OF PROBE HOLE PH-21

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/7/2012
DRILLING COMPANY	Zebra	**GROUND ELEVATION**	
DRILLER	E. Plank	**DEPTH TO WATER**	
DRILLING METHOD	Geoprobe	**WATER ELEVATION**	

REMARKS Newer part of building

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
			0 - 2	25		CONCRETE, coated with epoxy		
		ML			0	SHALE and SILT, dark grayish brown (2.5Y 4/2), hard		
						PROBE REFUSAL AT 2 FEET.		

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LOG OF PROBE HOLE PH-22

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/7/2012
DRILLING COMPANY	Zebra	**GROUND ELEVATION**	
DRILLER	E. Plank	**DEPTH TO WATER**	
DRILLING METHOD	Geoprobe	**WATER ELEVATION**	

REMARKS Newer part of building; about 20 feet east of PH-21; No groundwater was encountered in the probehole

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
			0 - 4	75		CONCRETE, coated with epoxy		
		ML			0	SILT and weathered SHALE, light olive brown (2.5Y 5/3)		
					0			
					0			
			4 - 6	200	0			
5					0	SHALE, olive gray (5Y 5/2), competent		
						PROBE REFUSAL AT 6 FEET.		

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LOG OF PROBE HOLE PH-23

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/7/2012
DRILLING COMPANY	Zebra	**GROUND ELEVATION**	
DRILLER	E. Plank	**DEPTH TO WATER**	
DRILLING METHOD	Geoprobe	**WATER ELEVATION**	

REMARKS Newer part of building

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
			0 - 3	50		CONCRETE		
		ML			0	SHALE, olive brown (2.5Y 4/3), partially weathered		
						PROBE REFUSAL AT 3 FEET.		

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LOG OF PROBE HOLE PH-24

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/7/2012
DRILLING COMPANY	Zebra	**GROUND ELEVATION**	
DRILLER	E. Plank	**DEPTH TO WATER**	
DRILLING METHOD	Geoprobe	**WATER ELEVATION**	

REMARKS Newer part of building; 20 feet north of PH-23

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
			0 - 3	17		CONCRETE		
		ML				SHALE, similar to PH-23		
						PROBE REFUSAL AT 3 FEET.		

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LOG OF PROBE HOLE PH-25

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/7/2012
DRILLING COMPANY	Zebra	**GROUND ELEVATION**	
DRILLER	E. Plank	**DEPTH TO WATER**	
DRILLING METHOD	Geoprobe	**WATER ELEVATION**	

REMARKS Newer part of building; 65 feet north of PH-24

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
			0 - 3	67		CONCRETE		
		ML			0.3 1.1	SHALE, layered mottled grayish brown (2.5Y 5/2) and dark yellowish brown (10YR 4/4), weathered		
						PROBE REFUSAL AT 3 FEET.		

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LOG OF PROBEHOLE PH-26 & PIEZOMETER CONSTRUCTION

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/7/2012
DRILLING COMPANY	Zebra	**CASING DIA./TYPE**	1" PVC
DRILLER	E. Plank	**SCREEN SLOT/TYPE**	0.010-in. slotted PVC
DRILLING METHOD	Geoprobe	**FILTER PACK TYPE**	
		TOP OF CASING	
REMARKS	Along industrial sewer near column L22	**GROUND ELEVATION**	
		DEPTH TO WATER	
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	PIEZOMETER DIAGRAM
			0 - 4		0 0	CONCRETE, with aggregate coating SILTY SAPROLITE, reddish brown (5YR 4/3)		
5		ML	4 - 8	31	1.4	SILT, brown (10YR 4/3), with shale fragments		
10			8 - 12	50	0.7 12.6			1" pipe installed to collect groundwater sample
15			12 - 16	13	1.7	----with quartzite pieces; driller noted that drilled like disturbed soil----		
20		GM	16 - 20	25		SANDY, SILTY GRAVEL, with hydrocarbon odor, SATURATED		
						PROBEHOLE TERMINATED AT 20 FEET.		

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LOG OF PROBEHOLE PH-27 & PIEZOMETER CONSTRUCTION

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/7/2012
DRILLING COMPANY	Zebra	**CASING DIA./TYPE**	1" PVC
DRILLER	E. Plank	**SCREEN SLOT/TYPE**	0.010-in. slotted PVC
DRILLING METHOD	Geoprobe	**FILTER PACK TYPE**	
		TOP OF CASING	
REMARKS	Along industrial sewer between columns S17 and S18; also at corner of broach pit	**GROUND ELEVATION**	
		DEPTH TO WATER	
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	% RECOVERY	PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	PIEZOMETER DIAGRAM
			0 - 4	75	0 0 0	CONCRETE with aggregate coating SAPROLITE, mottled brown (10YR 4/3) and olive gray (5Y 5/2), with chert pebbles up to 1-inch diameter		
5		ML	4 - 8	100	0 0.2 4.6 1.5	---with oil/petroleum odor----		
10		CL	8 - 12	50	0.9 7.4	SAPROLITE, GRAVELLY CLAY, weak red (10R 5/3) and olive gray (5Y 5/2), plastic		1" pipe installed to collect groundwater sample
			12 - 16	88	8.8 1.4 1.3			
15		ML	16 - 20	100	1.8 0.7 0.8	SILT, pale olive (5Y 6/3), hard CLAY/GRAVEL, gray (2.5Y 5/1), moist		
20		GC	20 - 21	100		----SATURATED----		
						PROBE REFUSAL AT 21 FEET.		

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LOG OF PROBE HOLE PH-28

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/8/2012
DRILLING COMPANY	Zebra	**GROUND ELEVATION**	
DRILLER	E. Plank	**DEPTH TO WATER**	
DRILLING METHOD	Geoprobe	**WATER ELEVATION**	

REMARKS Along industrial sewer between columns J12 and J13; No groundwater was encountered in the probehole

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
		GM	0 - 4	88	58.3	CONCRETE coated with aggregate cover GRAVELLY SILT, fill, reddish brown (5YR 4/4)		
		ML			5.3	SILT, reddish brown (5YR 5/3), with shale fragments		
5			4 - 8	75	9.2 4.3 5.7 0.6	SILT, brown (7.5YR 5/4), soft		
10			8 - 12	100	1.1 1.7 2.3 0.2	SILT, weak red (10R 5/3) with SHALE lenses		
			12 - 13	100	0.8	PROBE REFUSAL AT 12.5 FEET.		

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LOG OF PROBE HOLE PH-29

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/8/2012
DRILLING COMPANY	Zebra	**GROUND ELEVATION**	
DRILLER	E. Plank	**DEPTH TO WATER**	
DRILLING METHOD	Geoprobe	**WATER ELEVATION**	

REMARKS At southwest corner of sump in heat-treatment portion of building; No groundwater was encountered in the probehole

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
			0 - 4	100	0	CONCRETE		
					0	SILT, light yellowish brown (2.5Y 6/3), hard		
					0			
					0			
		ML	4 - 8	100	0	SILTY SAPROLITE, grayish brown (2.5Y 5/2)		
5					0			
					0	SILTY SAPROLITE, gray (5Y 6/1)		
					0			
		ML	8 - 11	100		SILTSTONE, crushed by geoprobe		
10								
						PROBE REFUSAL AT 11 FEET.		

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LOG OF PROBE HOLE PH-30

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/8/2012
DRILLING COMPANY	Zebra	**GROUND ELEVATION**	
DRILLER	E. Plank	**DEPTH TO WATER**	
DRILLING METHOD	Geoprobe	**WATER ELEVATION**	

REMARKS Along industrial sewer near column R7; No groundwater was encountered in the probehole

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
			0 - 4	38		CONCRETE		
					0	GRAVELLY, CLAYEY SILT, reddish brown (5YR 4/4)		
			4 - 8	50		----with chert and shale fragments----		
5					0			
		ML			0	----moist----		
			8 - 12	25		SILTY SAPROLITE, brown (7.5YR 4/4), moist, with SHALE and CHERT fragments		
10					0.1			
			12 - 15	133		----very moist-----		
						SILT, weak red (10R 5/3), hard, with SHALE pieces		
15						PROBE REFUSAL AT 15 FEET.		

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LOG OF PROBEHOLE PH-31 & PIEZOMETER CONSTRUCTION

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/8/2012
DRILLING COMPANY	Zebra	**CASING DIA./TYPE**	1" PVC
DRILLER	E. Plank	**SCREEN SLOT/TYPE**	0.010-in. slotted PVC
DRILLING METHOD	Geoprobe	**FILTER PACK TYPE**	
		TOP OF CASING	
REMARKS	Along Flume Pit 10/11	**GROUND ELEVATION**	
		DEPTH TO WATER	
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	PIEZOMETER DIAGRAM
			0 - 4	50		CONCRETE		
						SILT and GRAVEL, light olive brown (2.5Y 5/3)		
						SILTY and GRAVEL, reddish brown (2.5YR 5/4)		
					0			
					0			
			4 - 8	63		----with 2-inch pieces of gravel/aggregate----		
5					0			
					0			
					0			
			8 - 12	63		GRAVELLY SILT, mottled gray (2.5Y 6/1) and light olive brown (2.5Y 5/3), with faint petroleum odor		
10					0.2			1" pipe installed to collect groundwater sample
		GM			1.9			
					4.6			
			12 - 16	25		SILT and SHALE, mottled gray (5Y 6/1) and olive (5Y 5/4)		
15					4.3			
			16 - 20	100	1.8			
					9.2			
					3.6			
					3.8	SILT and SHALE, gray (Gley 1 5/N)		
20			20 - 22	67		SILT and SHALE, grayish brown (2/5Y 5/2), SATURATED		
					5.4	SILT and SHALE, very dark gray (2.5Y 3/1)		
						PROBE REFUSAL AT 21.5 FEET.		

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LOG OF PROBE HOLE PH-32

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/8/2012
DRILLING COMPANY	Zebra	**GROUND ELEVATION**	
DRILLER	E. Plank	**DEPTH TO WATER**	
DRILLING METHOD	Geoprobe	**WATER ELEVATION**	

REMARKS Along Flume Pit 7; No groundwater was encountered in the probehole

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
			0 - 4	44		CONCRETE covered with WOOD/COMPOSITE BLOCKS		
		ML			0	SILT and SHALE SAPROLITE, olive brown (2.5Y 4/3); not enough silt to sample		
					0			
			4 - 6	25				
5					0			
						PROBE REFUSAL AT 6 FEET.		

C:\MAGNA\LOGS\GINT LOGS.GPJ 11/29/12 Report:TTL_ENV_PROBE_HOLE

This boring log shall not be separated from the corresponding Instrument of Service; no third party may rely upon this boring log or the corresponding Instrument of Service absent a written TTL Secondary Client Agreement.

TTL
geotechnical • analytical • materials • environmental

ONX1, LLC
FORMER MAGNA/NEW PROCESS GEAR FACILITY

SYRACUSE, NEW YORK

LOG OF PROBEHOLE PH-33 & PIEZOMETER CONSTRUCTION

PROJECT NUMBER	600212024	**PROFESSIONAL**	S. McDonald
LOCATION	Syracuse, New York	**DATE(S) DRILLED**	11/8/2012
DRILLING COMPANY	Zebra	**CASING DIA./TYPE**	1" PVC
DRILLER	E. Plank	**SCREEN SLOT/TYPE**	0.010-in. slotted PVC
DRILLING METHOD	Geoprobe	**FILTER PACK TYPE**	
		TOP OF CASING	
REMARKS	In chip hopper/wringer room	**GROUND ELEVATION**	
		DEPTH TO WATER	
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	PIEZOMETER DIAGRAM
			0 - 4	75		CONCRETE		
		GC			4.1	SUB-BASE, gray (10YR 5/1)		
					2.9	----with black oily sheen----		
					0.5	SILT, reddish brown (5YR 5/3), brittle		
			4 - 8	100	1.5	----with gravel----		
5					0			
					0	CLAYEY, GRAVELLY, SILT, light brownish gray (2.5Y 6/2), plastic, with shale lenses		
					0			
			8 - 12	100	0			
10					0	CLAYEY, GRAVELLY, SILT, mottled gray (2.5Y 6/1) and reddish brown (2.5YR 5/4), plastic		1" pipe installed to collect groundwater sample
					0			
					0			
			12 - 16	100	2.2	----with increasing shale and chert content----		
					1.1			
15					0			
					0			
			16 - 20	100	0			
					0	CLAYEY SILT, yellowish brown (10YR 5/4), plastic, moist		
					0			
20			20 - 23	100		----WET-----		
		CL				CLAY/SHALE, gray (Gley 1 5/N)		
						PROBEHOLE TERMINATED AT 23 FEET.		

C:\MAGNA\LOGS\GINT LOGS.GPJ 11/29/12 Report:TTL_WELL_LOG

This well log shall not be separated from the corresponding Instrument of Service; no third party may rely upon this well logor the corresponding Instrument of Service absent a written TTL Secondary Client Agreement.

APPENDIX B
LABORATORY 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: 480-27826-2
Client Project/Site: Magna Site - Soil
Revision: 1

For:
TTL, Inc.
4154 Lomac Street
Montgomery, Alabama 36106

Attn: Ms. Shannon McDonald

Peggy Gray-Erdmann

Authorized for release by:
11/30/2012 6:47:39 PM
Peggy Gray-Erdmann
Project Manager II
peggy.gray-erdmann@testamericainc.com

Designee for

John Schove
Project Manager I
john.schove@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

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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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
*	LCS or LCSD exceeds the control limits

GC Semi VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
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)

Job ID: 480-27826-2

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-27826-2

Comments
No additional comments.

Receipt
The samples were received on 11/6/2012 8:15 AM and 11/7/2012 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 2.5º C, 2.7º C, 3.0º C and 5.2º C.

Except:

This report has been revised to include 8015 DRO analysis.

GC/MS VOA
Method(s) 8260B: Internal standard (ISTD) response for the following sample(s) was outside control limits: PH-3 0-2.5' (480-27826-8). The sample(s) was re-analyzed with concurring results. The original set of data has been reported.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: The following samples were diluted due to viscosity.>>: PH-2 1' (480-27826-7), PH-3 0-2.5' (480-27826-8). Elevated reporting limits (RL) are provided.

Method(s) 8270C: Due to the level of dilution required for the following sample, surrogate recoveries are not reported: PH-3 0-2.5' (480-27826-8).

Method(s) 8270C: The laboratory control sample (LCS) for preparation batch 89888 exceeded control limits for the following analytes: Isophorone and Benzo[b]fluoranthene. These analytes were not requested in the client spike list; therefore the data has been qualified and reviewed.

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 89888 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: Due to the matrix, the following sample could not be concentrated to the final method required volume: PH-3 0-2.5' (480-27826-8). The reporting limits (RLs) are elevated proportionately.

Method(s) 8015B: The following sample was analyzed outside of analytical holding time due to the addition of DRO to the project: PH-3 0-2.5' (480-27826-8).

Method(s) 8015B: The following sample was diluted to bring the concentration of target analytes within the calibration range: PH-9 7' (480-27956-3). Elevated reporting limits (RLs) are provided.

Method(s) 8015B: The following sample was diluted due to the abundance of target analytes: PH-16 1' (480-27956-9). As such, surrogate recoveries are not reported or not representative, and elevated reporting limits (RLs) are provided.

Method(s) 8015B: The following sample was analyzed outside of analytical holding time due to the addition of DRO to the project: PH-16 1' (480-27956-9), PH-9 7' (480-27956-3).

No other analytical or quality issues were noted.

Metals

Job ID: 480-27826-2 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

No analytical or quality issues were noted.

Organic Prep

Method(s) 3550B: Due to the matrix, the following sample could not be concentrated to the final method required volume: PH-3 0-2.5' (480-27826-8). The reporting limits (RLs) are elevated proportionately.

Method(s) 3550B: Due to the matrix, the following samples could not be concentrated to the final method required volume. The final volume was 5ml for the samples. PH-16 1' (480-27956-9), PH-9 7' (480-27956-3). The reporting limits (RLs) are elevated proportionately.

Method(s) 3550B: Due to the matrix, the following samples could not be concentrated to the final method required volume: PH-3 0-2.5' (480-27826-8), PH-9 7' (480-27956-3). The reporting limits (RLs) are elevated proportionately.

Method(s) 3550B: The following samples were prepared and/or analyzed outside the method defined holding time because the request for the test was made after the holding time for the sample expired: PH-16 1' (480-27956-9), PH-3 0-2.5' (480-27826-8), PH-9 7' (480-27956-3).

No other analytical or quality issues were noted.

Detection Summary

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-1 1' — Lab Sample ID: 480-27826-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.81	J	5.3	0.40	ug/Kg	1	☼	8260B	Total/NA
Benzo(a)pyrene	27	J	220	5.2	ug/Kg	1	☼	8270C	Total/NA
Benzo(b)fluoranthene	39	J	220	4.2	ug/Kg	1	☼	8270C	Total/NA
Benzo(k)fluoranthene	20	J	220	2.4	ug/Kg	1	☼	8270C	Total/NA
Chrysene	29	J	220	2.2	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	51	J	220	3.2	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	27	J	220	4.6	ug/Kg	1	☼	8270C	Total/NA
Pyrene	45	J	220	1.4	ug/Kg	1	☼	8270C	Total/NA
Arsenic	4.4		2.3	0.46	mg/Kg	1	☼	6010B	Total/NA
Barium	45.6		0.62	0.14	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.25		0.25	0.037	mg/Kg	1	☼	6010B	Total/NA
Chromium	7.8		0.62	0.25	mg/Kg	1	☼	6010B	Total/NA
Lead	8.6		1.2	0.30	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.068		0.025	0.010	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: PH-2 1' — Lab Sample ID: 480-27826-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo(a)pyrene	72	J	1000	24	ug/Kg	5	☼	8270C	Total/NA
Benzo(b)fluoranthene	130	J	1000	20	ug/Kg	5	☼	8270C	Total/NA
Benzo(k)fluoranthene	54	J	1000	11	ug/Kg	5	☼	8270C	Total/NA
Chrysene	88	J	1000	10	ug/Kg	5	☼	8270C	Total/NA
Fluoranthene	130	J	1000	15	ug/Kg	5	☼	8270C	Total/NA
Pyrene	110	J	1000	6.6	ug/Kg	5	☼	8270C	Total/NA
Arsenic	3.1		2.1	0.42	mg/Kg	1	☼	6010B	Total/NA
Barium	57.8		0.67	0.15	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.14	J	0.27	0.040	mg/Kg	1	☼	6010B	Total/NA
Chromium	20.6		0.67	0.27	mg/Kg	1	☼	6010B	Total/NA
Lead	6.6		1.3	0.32	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.014	J	0.025	0.0099	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: PH-3 0-2.5' — Lab Sample ID: 480-27826-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	150		8.3	0.65	ug/Kg	1	☼	8260B	Total/NA
2-Butanone (MEK)	26	J	41	3.0	ug/Kg	1	☼	8260B	Total/NA
Acetone	140		41	6.9	ug/Kg	1	☼	8260B	Total/NA
Carbon disulfide	12		8.3	4.1	ug/Kg	1	☼	8260B	Total/NA
Ethylbenzene	1.8	J	8.3	0.57	ug/Kg	1	☼	8260B	Total/NA
Toluene	12		8.3	0.62	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	1.5	J	17	1.4	ug/Kg	1	☼	8260B	Total/NA
2-Methylnaphthalene	10000	J	130000	1500	ug/Kg	50	☼	8270C	Total/NA
Acenaphthene	61000	J	130000	1500	ug/Kg	50	☼	8270C	Total/NA
Anthracene	93000	J	130000	3200	ug/Kg	50	☼	8270C	Total/NA
Benzo(a)anthracene	270000		130000	2100	ug/Kg	50	☼	8270C	Total/NA
Benzo(a)pyrene	210000		130000	3000	ug/Kg	50	☼	8270C	Total/NA
Benzo(b)fluoranthene	280000		130000	2400	ug/Kg	50	☼	8270C	Total/NA
Benzo(g,h,i)perylene	72000	J	130000	1500	ug/Kg	50	☼	8270C	Total/NA
Benzo(k)fluoranthene	140000		130000	1400	ug/Kg	50	☼	8270C	Total/NA
Carbazole	74000	J	130000	1400	ug/Kg	50	☼	8270C	Total/NA
Chrysene	270000		130000	1200	ug/Kg	50	☼	8270C	Total/NA
Dibenz(a,h)anthracene	26000	J	130000	1500	ug/Kg	50	☼	8270C	Total/NA

Client Sample ID: PH-3 0-2.5' (Continued) — Lab Sample ID: 480-27826-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dibenzofuran	30000	J	130000	1300	ug/Kg	50	☼	8270C	Total/NA
Fluoranthene	670000		130000	1800	ug/Kg	50	☼	8270C	Total/NA
Fluorene	51000	J	130000	2900	ug/Kg	50	☼	8270C	Total/NA
Indeno(1,2,3-cd)pyrene	74000	J	130000	3400	ug/Kg	50	☼	8270C	Total/NA
Phenanthrene	490000		130000	2600	ug/Kg	50	☼	8270C	Total/NA
Pyrene	470000		130000	810	ug/Kg	50	☼	8270C	Total/NA
Diesel Range Organics [C10-C28]	4800	H	240	73	mg/Kg	1	☼	8015B	Total/NA
Arsenic	6.0		3.0	0.60	mg/Kg	1	☼	6010B	Total/NA
Barium	52.9		0.70	0.15	mg/Kg	1	☼	6010B	Total/NA
Cadmium	1.7		0.28	0.042	mg/Kg	1	☼	6010B	Total/NA
Chromium	27.1		0.70	0.28	mg/Kg	1	☼	6010B	Total/NA
Lead	67.2		1.4	0.33	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.24		0.029	0.012	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: PH-4 10.5' — Lab Sample ID: 480-27826-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12	J	22	3.7	ug/Kg	1	☼	8260B	Total/NA
Acenaphthylene	15	J	190	1.6	ug/Kg	1	☼	8270C	Total/NA
Anthracene	13	J	190	5.0	ug/Kg	1	☼	8270C	Total/NA
Benzo(a)anthracene	91	J	190	3.3	ug/Kg	1	☼	8270C	Total/NA
Benzo(a)pyrene	87	J	190	4.7	ug/Kg	1	☼	8270C	Total/NA
Benzo(b)fluoranthene	110	J	190	3.8	ug/Kg	1	☼	8270C	Total/NA
Benzo(g,h,i)perylene	31	J	190	2.3	ug/Kg	1	☼	8270C	Total/NA
Benzo(k)fluoranthene	54	J	190	2.1	ug/Kg	1	☼	8270C	Total/NA
Chrysene	94	J	190	1.9	ug/Kg	1	☼	8270C	Total/NA
Di-n-octyl phthalate	20	J	190	4.5	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	190		190	2.8	ug/Kg	1	☼	8270C	Total/NA
Indeno(1,2,3-cd)pyrene	31	J	190	5.4	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	90	J	190	4.1	ug/Kg	1	☼	8270C	Total/NA
Pyrene	170	J	190	1.3	ug/Kg	1	☼	8270C	Total/NA
Arsenic	3.0		2.2	0.44	mg/Kg	1	☼	6010B	Total/NA
Barium	49.6		0.62	0.14	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.10	J	0.25	0.037	mg/Kg	1	☼	6010B	Total/NA
Chromium	10.4		0.62	0.25	mg/Kg	1	☼	6010B	Total/NA
Lead	6.2		1.2	0.30	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: PH-5 12' — Lab Sample ID: 480-27826-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.8	J	20	3.4	ug/Kg	1	☼	8260B	Total/NA
Arsenic	3.3		2.4	0.47	mg/Kg	1	☼	6010B	Total/NA
Barium	51.4		0.54	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.077	J	0.22	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	10.3		0.54	0.22	mg/Kg	1	☼	6010B	Total/NA
Lead	4.6		1.1	0.26	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: PH-6 9' — Lab Sample ID: 480-27826-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11	J	21	3.6	ug/Kg	1	☼	8260B	Total/NA
Arsenic	4.0		2.3	0.45	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: PH-6 9' (Continued) — Lab Sample ID: 480-27826-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	47.1		0.59	0.13	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.10	J	0.24	0.036	mg/Kg	1	☼	6010B	Total/NA
Chromium	6.9		0.59	0.24	mg/Kg	1	☼	6010B	Total/NA
Lead	3.6		1.2	0.28	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: PH-7 8.5' — Lab Sample ID: 480-27956-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	13	J	25	4.2	ug/Kg	1	☼	8260B	Total/NA
Toluene	0.46	J	5.0	0.38	ug/Kg	1	☼	8260B	Total/NA
Arsenic	4.4		2.2	0.44	mg/Kg	1	☼	6010B	Total/NA
Barium	60.9		0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.11	J	0.22	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	11.4		0.55	0.22	mg/Kg	1	☼	6010B	Total/NA
Lead	5.0		1.1	0.27	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: PH-8 3' — Lab Sample ID: 480-27956-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	3.1	J	22	1.6	ug/Kg	1	☼	8260B	Total/NA
Acetone	24		22	3.7	ug/Kg	1	☼	8260B	Total/NA
Arsenic	3.1		2.3	0.47	mg/Kg	1	☼	6010B	Total/NA
Barium	39.5		0.59	0.13	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.080	J	0.23	0.035	mg/Kg	1	☼	6010B	Total/NA
Chromium	5.9		0.59	0.23	mg/Kg	1	☼	6010B	Total/NA
Lead	4.2		1.2	0.28	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: PH-9 7' — Lab Sample ID: 480-27956-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	15	J	23	3.9	ug/Kg	1	☼	8260B	Total/NA
2-Methylnaphthalene	14	J	940	11	ug/Kg	1	☼	8270C	Total/NA
Caprolactam	1100		940	410	ug/Kg	1	☼	8270C	Total/NA
Diesel Range Organics [C10-C28]	6200	H	920	270	mg/Kg	5	☼	8015B	Total/NA
Arsenic	2.2		2.2	0.44	mg/Kg	1	☼	6010B	Total/NA
Barium	71.7		0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.17	J	0.22	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	11.2		0.55	0.22	mg/Kg	1	☼	6010B	Total/NA
Lead	10.6		1.1	0.26	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.016	J	0.023	0.0092	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: PH-11 5.5' — Lab Sample ID: 480-27956-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	9.9	J	190	2.3	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	49	J	190	3.1	ug/Kg	1	☼	8270C	Total/NA
Arsenic	2.4		2.2	0.44	mg/Kg	1	☼	6010B	Total/NA
Barium	13.2		0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.098	J	0.22	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	21.5		0.55	0.22	mg/Kg	1	☼	6010B	Total/NA
Lead	4.4		1.1	0.26	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.011	J	0.022	0.0088	mg/Kg	1	☼	7471A	Total/NA

Detection Summary

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-12 8' — Lab Sample ID: 480-27956-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.5		2.4	0.47	mg/Kg	1	☼	6010B	Total/NA
Barium	30.2		0.59	0.13	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.098	J	0.24	0.035	mg/Kg	1	☼	6010B	Total/NA
Chromium	5.6		0.59	0.24	mg/Kg	1	☼	6010B	Total/NA
Lead	4.1		1.2	0.28	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: PH-13 10' — Lab Sample ID: 480-27956-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.2		2.3	0.45	mg/Kg	1	☼	6010B	Total/NA
Barium	83.9		0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.085	J	0.23	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	13.5		0.57	0.23	mg/Kg	1	☼	6010B	Total/NA
Lead	2.9		1.1	0.27	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: PH-14 6' — Lab Sample ID: 480-27956-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.7		2.6	0.52	mg/Kg	1	☼	6010B	Total/NA
Barium	27.1		0.65	0.14	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.31		0.26	0.039	mg/Kg	1	☼	6010B	Total/NA
Chromium	8.1		0.65	0.26	mg/Kg	1	☼	6010B	Total/NA
Lead	5.0		1.3	0.31	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: PH-15 7.5' — Lab Sample ID: 480-27956-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	13.8		2.3	0.45	mg/Kg	1	☼	6010B	Total/NA
Barium	43.3		0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.14	J	0.23	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	14.3		0.57	0.23	mg/Kg	1	☼	6010B	Total/NA
Lead	32.1		1.1	0.27	mg/Kg	1	☼	6010B	Total/NA
Silver	0.32	J	0.57	0.23	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.059		0.021	0.0086	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: PH-16 1' — Lab Sample ID: 480-27956-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	8.1	J	25	1.8	ug/Kg	1	☼	8260B	Total/NA
Acetone	46		25	4.2	ug/Kg	1	☼	8260B	Total/NA
Bis(2-ethylhexyl) phthalate	1900		1000	320	ug/Kg	1	☼	8270C	Total/NA
Caprolactam	1200		1000	430	ug/Kg	1	☼	8270C	Total/NA
Pyrene	260	J	1000	6.5	ug/Kg	1	☼	8270C	Total/NA
Diesel Range Organics [C10-C28]	1600	H	200	59	mg/Kg	10	☼	8015B	Total/NA
Arsenic	3.1		2.1	0.43	mg/Kg	1	☼	6010B	Total/NA
Barium	17.7		0.54	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.12	J	0.21	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	18.7		0.54	0.21	mg/Kg	1	☼	6010B	Total/NA
Lead	11.2		1.1	0.26	mg/Kg	1	☼	6010B	Total/NA

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-1 1'
Date Collected: 11/05/12 10:35
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-6
Matrix: Solid
Percent Solids: 76.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.3	U	5.3	0.39	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
1,1,2,2-Tetrachloroethane	5.3	U	5.3	0.86	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
1,1,2-Trichloroethane	5.3	U	5.3	0.69	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.3	U	5.3	1.2	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
1,1-Dichloroethane	5.3	U	5.3	0.65	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
1,1-Dichloroethene	5.3	U	5.3	0.65	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
1,2,4-Trichlorobenzene	5.3	U	5.3	0.32	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
1,2-Dibromo-3-Chloropropane	5.3	U	5.3	2.7	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
1,2-Dibromoethane	5.3	U	5.3	0.68	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
1,2-Dichlorobenzene	5.3	U	5.3	0.42	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
1,2-Dichloroethane	5.3	U	5.3	0.27	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
1,2-Dichloropropane	5.3	U	5.3	2.7	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
1,3-Dichlorobenzene	5.3	U	5.3	0.27	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
1,4-Dichlorobenzene	5.3	U	5.3	0.75	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
2-Hexanone	27	U	27	2.7	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
2-Butanone (MEK)	27	U	27	1.9	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
4-Methyl-2-pentanone (MIBK)	27	U	27	1.7	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Acetone	27	U	27	4.5	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Benzene	5.3	U	5.3	0.26	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Bromodichloromethane	5.3	U	5.3	0.71	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Bromoform	5.3	U	5.3	2.7	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Bromomethane	5.3	U	5.3	0.48	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Carbon disulfide	5.3	U	5.3	2.7	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Carbon tetrachloride	5.3	U	5.3	0.52	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Chlorobenzene	5.3	U	5.3	0.70	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Dibromochloromethane	5.3	U	5.3	0.68	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Chloroethane	5.3	U	5.3	1.2	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Chloroform	5.3	U	5.3	0.33	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Chloromethane	5.3	U	5.3	0.32	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
cis-1,2-Dichloroethene	5.3	U	5.3	0.68	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
cis-1,3-Dichloropropene	5.3	U	5.3	0.77	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Cyclohexane	5.3	U	5.3	0.75	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Dichlorodifluoromethane	5.3	U	5.3	0.44	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Ethylbenzene	5.3	U	5.3	0.37	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Isopropylbenzene	5.3	U	5.3	0.80	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Methyl acetate	5.3	U	5.3	0.99	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Methyl tert-butyl ether	5.3	U	5.3	0.52	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Methylcyclohexane	5.3	U	5.3	0.81	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Methylene Chloride	5.3	U	5.3	2.5	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Styrene	5.3	U	5.3	0.27	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Tetrachloroethene	5.3	U	5.3	0.71	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Toluene	**0.81**	**J**	5.3	0.40	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
trans-1,2-Dichloroethene	5.3	U	5.3	0.55	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
trans-1,3-Dichloropropene	5.3	U	5.3	2.3	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Trichloroethene	5.3	U	5.3	1.2	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Trichlorofluoromethane	5.3	U	5.3	0.50	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Vinyl chloride	5.3	U	5.3	0.65	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1
Xylenes, Total	11	U	11	0.90	ug/Kg	☼	11/12/12 10:12	11/12/12 19:48	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-1 1'

Date Collected: 11/05/12 10:35
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-6

Matrix: Solid
Percent Solids: 76.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*64 - 126*	*11/12/12 10:12*	*11/12/12 19:48*	*1*
Toluene-d8 (Surr)	*85*		*71 - 125*	*11/12/12 10:12*	*11/12/12 19:48*	*1*
4-Bromofluorobenzene (Surr)	*89*		*72 - 126*	*11/12/12 10:12*	*11/12/12 19:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	220	U	220	14	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
bis (2-chloroisopropyl) ether	220	U	220	23	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
2,4,5-Trichlorophenol	220	U	220	48	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
2,4,6-Trichlorophenol	220	U	220	14	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
2,4-Dichlorophenol	220	U	220	11	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
2,4-Dimethylphenol	220	U	220	59	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
2,4-Dinitrophenol	430	U	430	76	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
2,4-Dinitrotoluene	220	U	220	34	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
2,6-Dinitrotoluene	220	U	220	53	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
2-Chloronaphthalene	220	U	220	15	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
2-Chlorophenol	220	U	220	11	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
2-Methylnaphthalene	220	U	220	2.6	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
2-Methylphenol	220	U	220	6.7	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
2-Nitroaniline	430	U	430	70	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
2-Nitrophenol	220	U	220	10	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
3,3'-Dichlorobenzidine	220	U	220	190	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
3-Nitroaniline	430	U	430	50	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
4,6-Dinitro-2-methylphenol	430	U	430	75	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
4-Bromophenyl phenyl ether	220	U	220	69	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
4-Chloro-3-methylphenol	220	U	220	9.0	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
4-Chloroaniline	220	U	220	64	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
4-Chlorophenyl phenyl ether	220	U	220	4.6	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
4-Methylphenol	430	U	430	12	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
4-Nitroaniline	430	U	430	24	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
4-Nitrophenol	430	U	430	53	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Acenaphthene	220	U	220	2.6	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Acenaphthylene	220	U	220	1.8	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Acetophenone	220	U	220	11	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Anthracene	220	U	220	5.6	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Atrazine	220	U	220	9.7	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Benzaldehyde	220	U	220	24	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Benzo(a)anthracene	220	U	220	3.8	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Benzo(a)pyrene	**27**	**J**	220	5.2	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Benzo(b)fluoranthene	**39**	**J**	220	4.2	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Benzo(g,h,i)perylene	220	U	220	2.6	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Benzo(k)fluoranthene	**20**	**J**	220	2.4	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Bis(2-chloroethoxy)methane	220	U	220	12	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Bis(2-chloroethyl)ether	220	U	220	19	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Bis(2-ethylhexyl) phthalate	220	U	220	70	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Butyl benzyl phthalate	220	U	220	58	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Caprolactam	220	U	220	94	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Carbazole	220	U	220	2.5	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Chrysene	**29**	**J**	220	2.2	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Di-n-butyl phthalate	220	U	220	75	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-1 1'

Date Collected: 11/05/12 10:35
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-6

Matrix: Solid
Percent Solids: 76.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	220	U	220	5.1	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Dibenz(a,h)anthracene	220	U	220	2.6	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Dibenzofuran	220	U	220	2.3	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Diethyl phthalate	220	U	220	6.6	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Dimethyl phthalate	220	U	220	5.7	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Fluoranthene	**51**	**J**	220	3.2	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Fluorene	220	U	220	5.0	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Hexachlorobenzene	220	U	220	11	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Hexachlorobutadiene	220	U	220	11	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Hexachlorocyclopentadiene	220	U	220	66	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Hexachloroethane	220	U	220	17	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Indeno(1,2,3-cd)pyrene	220	U	220	6.0	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Isophorone	220	U	220	11	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
N-Nitrosodi-n-propylamine	220	U	220	17	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
N-Nitrosodiphenylamine	220	U	220	12	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Naphthalene	220	U	220	3.6	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Nitrobenzene	220	U	220	9.7	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Pentachlorophenol	430	U	430	75	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Phenanthrene	**27**	**J**	220	4.6	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Phenol	220	U	220	23	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1
Pyrene	**45**	**J**	220	1.4	ug/Kg	☼	11/08/12 08:16	11/09/12 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*99*		*39 - 146*	*11/08/12 08:16*	*11/09/12 15:31*	*1*
2-Fluorobiphenyl	*86*		*37 - 120*	*11/08/12 08:16*	*11/09/12 15:31*	*1*
2-Fluorophenol	*71*		*18 - 120*	*11/08/12 08:16*	*11/09/12 15:31*	*1*
Nitrobenzene-d5	*79*		*34 - 132*	*11/08/12 08:16*	*11/09/12 15:31*	*1*
p-Terphenyl-d14	*103*		*65 - 153*	*11/08/12 08:16*	*11/09/12 15:31*	*1*
Phenol-d5	*82*		*11 - 120*	*11/08/12 08:16*	*11/09/12 15:31*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.4**		2.3	0.46	mg/Kg	☼	11/07/12 12:05	11/07/12 21:08	1
Barium	**45.6**		0.62	0.14	mg/Kg	☼	11/08/12 11:45	11/09/12 00:57	1
Cadmium	**0.25**		0.25	0.037	mg/Kg	☼	11/08/12 11:45	11/09/12 00:57	1
Chromium	**7.8**		0.62	0.25	mg/Kg	☼	11/08/12 11:45	11/09/12 00:57	1
Lead	**8.6**		1.2	0.30	mg/Kg	☼	11/08/12 11:45	11/09/12 00:57	1
Selenium	5.0	U	5.0	0.50	mg/Kg	☼	11/08/12 11:45	11/09/12 00:57	1
Silver	0.62	U	0.62	0.25	mg/Kg	☼	11/08/12 11:45	11/09/12 00:57	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.068**		0.025	0.010	mg/Kg	☼	11/08/12 08:45	11/08/12 12:34	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-2 1'
Date Collected: 11/05/12 11:55
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-7
Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.8	U	4.8	0.35	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
1,1,2,2-Tetrachloroethane	4.8	U	4.8	0.77	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
1,1,2-Trichloroethane	4.8	U	4.8	0.62	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.8	U	4.8	1.1	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
1,1-Dichloroethane	4.8	U	4.8	0.58	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
1,1-Dichloroethene	4.8	U	4.8	0.58	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
1,2,4-Trichlorobenzene	4.8	U	4.8	0.29	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
1,2-Dibromo-3-Chloropropane	4.8	U	4.8	2.4	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
1,2-Dibromoethane	4.8	U	4.8	0.61	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
1,2-Dichlorobenzene	4.8	U	4.8	0.37	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
1,2-Dichloroethane	4.8	U	4.8	0.24	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
1,2-Dichloropropane	4.8	U	4.8	2.4	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
1,3-Dichlorobenzene	4.8	U	4.8	0.24	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
1,4-Dichlorobenzene	4.8	U	4.8	0.67	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
2-Hexanone	24	U	24	2.4	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
2-Butanone (MEK)	24	U	24	1.7	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.6	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Acetone	24	U	24	4.0	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Benzene	4.8	U	4.8	0.23	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Bromodichloromethane	4.8	U	4.8	0.64	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Bromoform	4.8	U	4.8	2.4	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Bromomethane	4.8	U	4.8	0.43	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Carbon disulfide	4.8	U	4.8	2.4	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Carbon tetrachloride	4.8	U	4.8	0.46	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Chlorobenzene	4.8	U	4.8	0.63	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Dibromochloromethane	4.8	U	4.8	0.61	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Chloroethane	4.8	U	4.8	1.1	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Chloroform	4.8	U	4.8	0.29	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Chloromethane	4.8	U	4.8	0.29	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
cis-1,2-Dichloroethene	4.8	U	4.8	0.61	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
cis-1,3-Dichloropropene	4.8	U	4.8	0.69	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Cyclohexane	4.8	U	4.8	0.67	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Dichlorodifluoromethane	4.8	U	4.8	0.39	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Ethylbenzene	4.8	U	4.8	0.33	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Isopropylbenzene	4.8	U	4.8	0.72	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Methyl acetate	4.8	U	4.8	0.89	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Methyl tert-butyl ether	4.8	U	4.8	0.47	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Methylcyclohexane	4.8	U	4.8	0.72	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Methylene Chloride	4.8	U	4.8	2.2	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Styrene	4.8	U	4.8	0.24	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Tetrachloroethene	4.8	U	4.8	0.64	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Toluene	4.8	U	4.8	0.36	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
trans-1,2-Dichloroethene	4.8	U	4.8	0.49	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
trans-1,3-Dichloropropene	4.8	U	4.8	2.1	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Trichloroethene	4.8	U	4.8	1.0	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Trichlorofluoromethane	4.8	U	4.8	0.45	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Vinyl chloride	4.8	U	4.8	0.58	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1
Xylenes, Total	9.5	U	9.5	0.80	ug/Kg	☼	11/12/12 10:12	11/12/12 20:13	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-2 1'

Date Collected: 11/05/12 11:55
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-7

Matrix: Solid
Percent Solids: 81.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 126*	*11/12/12 10:12*	*11/12/12 20:13*	*1*
Toluene-d8 (Surr)	*87*		*71 - 125*	*11/12/12 10:12*	*11/12/12 20:13*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 126*	*11/12/12 10:12*	*11/12/12 20:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	1000	U	1000	63	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
bis (2-chloroisopropyl) ether	1000	U	1000	110	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
2,4,5-Trichlorophenol	1000	U	1000	220	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
2,4,6-Trichlorophenol	1000	U	1000	67	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
2,4-Dichlorophenol	1000	U	1000	53	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
2,4-Dimethylphenol	1000	U	1000	270	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
2,4-Dinitrophenol	2000	U	2000	360	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
2,4-Dinitrotoluene	1000	U	1000	160	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
2,6-Dinitrotoluene	1000	U	1000	250	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
2-Chloronaphthalene	1000	U	1000	68	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
2-Chlorophenol	1000	U	1000	52	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
2-Methylnaphthalene	1000	U	1000	12	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
2-Methylphenol	1000	U	1000	31	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
2-Nitroaniline	2000	U	2000	330	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
2-Nitrophenol	1000	U	1000	46	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
3,3'-Dichlorobenzidine	1000	U	1000	890	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
3-Nitroaniline	2000	U	2000	230	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
4,6-Dinitro-2-methylphenol	2000	U	2000	350	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
4-Bromophenyl phenyl ether	1000	U	1000	320	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
4-Chloro-3-methylphenol	1000	U	1000	42	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
4-Chloroaniline	1000	U	1000	300	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
4-Chlorophenyl phenyl ether	1000	U	1000	22	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
4-Methylphenol	2000	U	2000	57	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
4-Nitroaniline	2000	U	2000	110	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
4-Nitrophenol	2000	U	2000	250	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Acenaphthene	1000	U	1000	12	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Acenaphthylene	1000	U	1000	8.3	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Acetophenone	1000	U	1000	52	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Anthracene	1000	U	1000	26	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Atrazine	1000	U	1000	45	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Benzaldehyde	1000	U	1000	110	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Benzo(a)anthracene	1000	U	1000	18	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Benzo(a)pyrene	**72**	**J**	1000	24	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Benzo(b)fluoranthene	**130**	**J**	1000	20	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Benzo(g,h,i)perylene	1000	U	1000	12	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Benzo(k)fluoranthene	**54**	**J**	1000	11	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Bis(2-chloroethoxy)methane	1000	U	1000	55	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Bis(2-chloroethyl)ether	1000	U	1000	88	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Bis(2-ethylhexyl) phthalate	1000	U	1000	330	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Butyl benzyl phthalate	1000	U	1000	270	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Caprolactam	1000	U	1000	440	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Carbazole	1000	U	1000	12	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Chrysene	**88**	**J**	1000	10	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Di-n-butyl phthalate	1000	U	1000	350	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5

Client Sample ID: PH-2 1'

Date Collected: 11/05/12 11:55
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-7

Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	1000	U	1000	24	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Dibenz(a,h)anthracene	1000	U	1000	12	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Dibenzofuran	1000	U	1000	11	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Diethyl phthalate	1000	U	1000	31	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Dimethyl phthalate	1000	U	1000	26	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Fluoranthene	**130**	**J**	1000	15	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Fluorene	1000	U	1000	23	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Hexachlorobenzene	1000	U	1000	50	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Hexachlorobutadiene	1000	U	1000	52	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Hexachlorocyclopentadiene	1000	U	1000	310	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Hexachloroethane	1000	U	1000	79	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Indeno(1,2,3-cd)pyrene	1000	U	1000	28	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Isophorone	1000	U	1000	51	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
N-Nitrosodi-n-propylamine	1000	U	1000	80	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
N-Nitrosodiphenylamine	1000	U	1000	56	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Naphthalene	1000	U	1000	17	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Nitrobenzene	1000	U	1000	45	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Pentachlorophenol	2000	U	2000	350	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Phenanthrene	1000	U	1000	21	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Phenol	1000	U	1000	110	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5
Pyrene	**110**	**J**	1000	6.6	ug/Kg	☼	11/08/12 08:16	11/09/12 15:57	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*58*		*39 - 146*	*11/08/12 08:16*	*11/09/12 15:57*	*5*
2-Fluorobiphenyl	*69*		*37 - 120*	*11/08/12 08:16*	*11/09/12 15:57*	*5*
2-Fluorophenol	*47*		*18 - 120*	*11/08/12 08:16*	*11/09/12 15:57*	*5*
Nitrobenzene-d5	*50*		*34 - 132*	*11/08/12 08:16*	*11/09/12 15:57*	*5*
p-Terphenyl-d14	*81*		*65 - 153*	*11/08/12 08:16*	*11/09/12 15:57*	*5*
Phenol-d5	*58*		*11 - 120*	*11/08/12 08:16*	*11/09/12 15:57*	*5*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.1**		2.1	0.42	mg/Kg	☼	11/07/12 12:05	11/07/12 21:10	1
Barium	**57.8**		0.67	0.15	mg/Kg	☼	11/08/12 11:45	11/09/12 00:59	1
Cadmium	**0.14**	**J**	0.27	0.040	mg/Kg	☼	11/08/12 11:45	11/09/12 00:59	1
Chromium	**20.6**		0.67	0.27	mg/Kg	☼	11/08/12 11:45	11/09/12 00:59	1
Lead	**6.6**		1.3	0.32	mg/Kg	☼	11/08/12 11:45	11/09/12 00:59	1
Selenium	5.4	U	5.4	0.54	mg/Kg	☼	11/08/12 11:45	11/09/12 00:59	1
Silver	0.67	U	0.67	0.27	mg/Kg	☼	11/08/12 11:45	11/09/12 00:59	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.014**	**J**	0.025	0.0099	mg/Kg	☼	11/08/12 08:45	11/08/12 12:36	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-3 0-2.5'

Date Collected: 11/05/12 13:05
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-8

Matrix: Solid
Percent Solids: 66.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	8.3	U	8.3	0.60	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
1,1,2,2-Tetrachloroethane	8.3	U	8.3	1.3	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
1,1,2-Trichloroethane	8.3	U	8.3	1.1	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	8.3	U	8.3	1.9	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
1,1-Dichloroethane	8.3	U	8.3	1.0	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
1,1-Dichloroethene	8.3	U	8.3	1.0	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
1,2,4-Trichlorobenzene	8.3	U	8.3	0.50	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
1,2-Dibromo-3-Chloropropane	8.3	U	8.3	4.1	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
1,2-Dibromoethane	8.3	U	8.3	1.1	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
1,2-Dichlorobenzene	**150**		8.3	0.65	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
1,2-Dichloroethane	8.3	U	8.3	0.41	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
1,2-Dichloropropane	8.3	U	8.3	4.1	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
1,3-Dichlorobenzene	8.3	U	8.3	0.42	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
1,4-Dichlorobenzene	8.3	U	8.3	1.2	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
2-Hexanone	41	U	41	4.1	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
2-Butanone (MEK)	**26**	**J**	41	3.0	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
4-Methyl-2-pentanone (MIBK)	41	U	41	2.7	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Acetone	**140**		41	6.9	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Benzene	8.3	U	8.3	0.40	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Bromodichloromethane	8.3	U	8.3	1.1	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Bromoform	8.3	U	8.3	4.1	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Bromomethane	8.3	U	8.3	0.74	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Carbon disulfide	**12**		8.3	4.1	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Carbon tetrachloride	8.3	U	8.3	0.80	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Chlorobenzene	8.3	U	8.3	1.1	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Dibromochloromethane	8.3	U	8.3	1.1	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Chloroethane	8.3	U	8.3	1.9	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Chloroform	8.3	U	8.3	0.51	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Chloromethane	8.3	U	8.3	0.50	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
cis-1,2-Dichloroethene	8.3	U	8.3	1.1	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
cis-1,3-Dichloropropene	8.3	U	8.3	1.2	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Cyclohexane	8.3	U	8.3	1.2	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Dichlorodifluoromethane	8.3	U	8.3	0.68	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Ethylbenzene	**1.8**	**J**	8.3	0.57	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Isopropylbenzene	8.3	U	8.3	1.2	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Methyl acetate	8.3	U	8.3	1.5	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Methyl tert-butyl ether	8.3	U	8.3	0.81	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Methylcyclohexane	8.3	U	8.3	1.3	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Methylene Chloride	8.3	U	8.3	3.8	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Styrene	8.3	U	8.3	0.41	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Tetrachloroethene	8.3	U	8.3	1.1	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Toluene	**12**		8.3	0.62	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
trans-1,2-Dichloroethene	8.3	U	8.3	0.85	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
trans-1,3-Dichloropropene	8.3	U	8.3	3.6	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Trichloroethene	8.3	U	8.3	1.8	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Trichlorofluoromethane	8.3	U	8.3	0.78	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Vinyl chloride	8.3	U	8.3	1.0	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1
Xylenes, Total	**1.5**	**J**	17	1.4	ug/Kg	☼	11/12/12 10:12	11/12/12 20:39	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-3 0-2.5'

Date Collected: 11/05/12 13:05
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-8

Matrix: Solid
Percent Solids: 66.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*64 - 126*	*11/12/12 10:12*	*11/12/12 20:39*	*1*
Toluene-d8 (Surr)	*90*		*71 - 125*	*11/12/12 10:12*	*11/12/12 20:39*	*1*
4-Bromofluorobenzene (Surr)	*78*		*72 - 126*	*11/12/12 10:12*	*11/12/12 20:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	130000	U	130000	7700	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
bis (2-chloroisopropyl) ether	130000	U	130000	13000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
2,4,5-Trichlorophenol	130000	U	130000	27000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
2,4,6-Trichlorophenol	130000	U	130000	8200	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
2,4-Dichlorophenol	130000	U	130000	6500	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
2,4-Dimethylphenol	130000	U	130000	34000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
2,4-Dinitrophenol	240000	U	240000	44000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
2,4-Dinitrotoluene	130000	U	130000	19000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
2,6-Dinitrotoluene	130000	U	130000	30000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
2-Chloronaphthalene	130000	U	130000	8300	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
2-Chlorophenol	130000	U	130000	6300	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
2-Methylnaphthalene	**10000**	**J**	130000	1500	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
2-Methylphenol	130000	U	130000	3800	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
2-Nitroaniline	240000	U	240000	40000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
2-Nitrophenol	130000	U	130000	5700	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
3,3'-Dichlorobenzidine	130000	U	130000	110000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
3-Nitroaniline	240000	U	240000	29000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
4,6-Dinitro-2-methylphenol	240000	U	240000	43000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
4-Bromophenyl phenyl ether	130000	U	130000	40000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
4-Chloro-3-methylphenol	130000	U	130000	5100	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
4-Chloroaniline	130000	U	130000	37000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
4-Chlorophenyl phenyl ether	130000	U	130000	2700	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
4-Methylphenol	240000	U	240000	6900	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
4-Nitroaniline	240000	U	240000	14000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
4-Nitrophenol	240000	U	240000	30000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Acenaphthene	**61000**	**J**	130000	1500	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Acenaphthylene	130000	U	130000	1000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Acetophenone	130000	U	130000	6400	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Anthracene	**93000**	**J**	130000	3200	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Atrazine	130000	U	130000	5500	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Benzaldehyde	130000	U	130000	14000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Benzo(a)anthracene	**270000**		130000	2100	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Benzo(a)pyrene	**210000**		130000	3000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Benzo(b)fluoranthene	**280000**		130000	2400	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Benzo(g,h,i)perylene	**72000**	**J**	130000	1500	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Benzo(k)fluoranthene	**140000**		130000	1400	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Bis(2-chloroethoxy)methane	130000	U	130000	6800	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Bis(2-chloroethyl)ether	130000	U	130000	11000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Bis(2-ethylhexyl) phthalate	130000	U	130000	40000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Butyl benzyl phthalate	130000	U	130000	33000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Caprolactam	130000	U	130000	54000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Carbazole	**74000**	**J**	130000	1400	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Chrysene	**270000**		130000	1200	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Di-n-butyl phthalate	130000	U	130000	43000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-3 0-2.5'

Date Collected: 11/05/12 13:05
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-8

Matrix: Solid
Percent Solids: 66.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	130000	U	130000	2900	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Dibenz(a,h)anthracene	**26000**	**J**	130000	1500	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Dibenzofuran	**30000**	**J**	130000	1300	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Diethyl phthalate	130000	U	130000	3800	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Dimethyl phthalate	130000	U	130000	3200	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Fluoranthene	**670000**		130000	1800	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Fluorene	**51000**	**J**	130000	2900	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Hexachlorobenzene	130000	U	130000	6200	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Hexachlorobutadiene	130000	U	130000	6400	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Hexachlorocyclopentadiene	130000	U	130000	38000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Hexachloroethane	130000	U	130000	9600	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Indeno(1,2,3-cd)pyrene	**74000**	**J**	130000	3400	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Isophorone	130000	U	130000	6200	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
N-Nitrosodi-n-propylamine	130000	U	130000	9900	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
N-Nitrosodiphenylamine	130000	U	130000	6800	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Naphthalene	130000	U	130000	2100	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Nitrobenzene	130000	U	130000	5500	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Pentachlorophenol	240000	U	240000	43000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Phenanthrene	**490000**		130000	2600	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Phenol	130000	U	130000	13000	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50
Pyrene	**470000**		130000	810	ug/Kg	☼	11/08/12 08:16	11/09/12 16:22	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*X*	*39 - 146*	*11/08/12 08:16*	*11/09/12 16:22*	*50*
2-Fluorobiphenyl	*0*	*X*	*37 - 120*	*11/08/12 08:16*	*11/09/12 16:22*	*50*
2-Fluorophenol	*0*	*X*	*18 - 120*	*11/08/12 08:16*	*11/09/12 16:22*	*50*
Nitrobenzene-d5	*0*	*X*	*34 - 132*	*11/08/12 08:16*	*11/09/12 16:22*	*50*
p-Terphenyl-d14	*0*	*X*	*65 - 153*	*11/08/12 08:16*	*11/09/12 16:22*	*50*
Phenol-d5	*0*	*X*	*11 - 120*	*11/08/12 08:16*	*11/09/12 16:22*	*50*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**4800**	**H**	240	73	mg/Kg	☼	11/28/12 07:10	11/29/12 11:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*57*		*48 - 125*	*11/28/12 07:10*	*11/29/12 11:12*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.0**		3.0	0.60	mg/Kg	☼	11/07/12 12:05	11/07/12 21:12	1
Barium	**52.9**		0.70	0.15	mg/Kg	☼	11/08/12 11:45	11/09/12 01:01	1
Cadmium	**1.7**		0.28	0.042	mg/Kg	☼	11/08/12 11:45	11/09/12 01:01	1
Chromium	**27.1**		0.70	0.28	mg/Kg	☼	11/08/12 11:45	11/09/12 01:01	1
Lead	**67.2**		1.4	0.33	mg/Kg	☼	11/08/12 11:45	11/09/12 01:01	1
Selenium	5.6	U	5.6	0.56	mg/Kg	☼	11/08/12 11:45	11/09/12 01:01	1
Silver	0.70	U	0.70	0.28	mg/Kg	☼	11/08/12 11:45	11/09/12 01:01	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.24**		0.029	0.012	mg/Kg	☼	11/08/12 08:45	11/08/12 12:42	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-4 10.5'

Date Collected: 11/05/12 14:15
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-9

Matrix: Solid
Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.4	U	4.4	0.32	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
1,1,2,2-Tetrachloroethane	4.4	U	4.4	0.71	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
1,1,2-Trichloroethane	4.4	U	4.4	0.57	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.4	U	4.4	1.0	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
1,1-Dichloroethane	4.4	U	4.4	0.53	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
1,1-Dichloroethene	4.4	U	4.4	0.53	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
1,2,4-Trichlorobenzene	4.4	U	4.4	0.27	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
1,2-Dibromo-3-Chloropropane	4.4	U	4.4	2.2	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
1,2-Dibromoethane	4.4	U	4.4	0.56	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
1,2-Dichlorobenzene	4.4	U	4.4	0.34	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
1,2-Dichloroethane	4.4	U	4.4	0.22	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
1,2-Dichloropropane	4.4	U	4.4	2.2	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
1,3-Dichlorobenzene	4.4	U	4.4	0.22	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
1,4-Dichlorobenzene	4.4	U	4.4	0.61	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
2-Hexanone	22	U	22	2.2	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
2-Butanone (MEK)	22	U	22	1.6	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
4-Methyl-2-pentanone (MIBK)	22	U	22	1.4	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Acetone	**12**	**J**	22	3.7	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Benzene	4.4	U	4.4	0.21	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Bromodichloromethane	4.4	U	4.4	0.58	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Bromoform	4.4	U	4.4	2.2	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Bromomethane	4.4	U	4.4	0.39	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Carbon disulfide	4.4	U	4.4	2.2	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Carbon tetrachloride	4.4	U	4.4	0.42	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Chlorobenzene	4.4	U	4.4	0.58	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Dibromochloromethane	4.4	U	4.4	0.56	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Chloroethane	4.4	U	4.4	0.99	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Chloroform	4.4	U	4.4	0.27	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Chloromethane	4.4	U	4.4	0.26	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
cis-1,2-Dichloroethene	4.4	U	4.4	0.56	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
cis-1,3-Dichloropropene	4.4	U	4.4	0.63	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Cyclohexane	4.4	U	4.4	0.61	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Dichlorodifluoromethane	4.4	U	4.4	0.36	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Ethylbenzene	4.4	U	4.4	0.30	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Isopropylbenzene	4.4	U	4.4	0.66	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Methyl acetate	4.4	U	4.4	0.81	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Methyl tert-butyl ether	4.4	U	4.4	0.43	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Methylcyclohexane	4.4	U	4.4	0.66	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Methylene Chloride	4.4	U	4.4	2.0	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Styrene	4.4	U	4.4	0.22	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Tetrachloroethene	4.4	U	4.4	0.59	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Toluene	4.4	U	4.4	0.33	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
trans-1,2-Dichloroethene	4.4	U	4.4	0.45	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
trans-1,3-Dichloropropene	4.4	U	4.4	1.9	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Trichloroethene	4.4	U	4.4	0.96	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Trichlorofluoromethane	4.4	U	4.4	0.41	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Vinyl chloride	4.4	U	4.4	0.53	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1
Xylenes, Total	8.7	U	8.7	0.73	ug/Kg	☼	11/13/12 23:52	11/14/12 01:00	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-4 10.5'

Date Collected: 11/05/12 14:15
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-9

Matrix: Solid
Percent Solids: 86.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*64 - 126*	*11/13/12 23:52*	*11/14/12 01:00*	*1*
Toluene-d8 (Surr)	*82*		*71 - 125*	*11/13/12 23:52*	*11/14/12 01:00*	*1*
4-Bromofluorobenzene (Surr)	*84*		*72 - 126*	*11/13/12 23:52*	*11/14/12 01:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	190	U	190	12	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
bis (2-chloroisopropyl) ether	190	U	190	20	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
2,4,5-Trichlorophenol	190	U	190	42	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
2,4,6-Trichlorophenol	190	U	190	13	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
2,4-Dichlorophenol	190	U	190	10	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
2,4-Dimethylphenol	190	U	190	52	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
2,4-Dinitrophenol	380	U	380	68	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
2,4-Dinitrotoluene	190	U	190	30	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
2,6-Dinitrotoluene	190	U	190	47	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
2-Chloronaphthalene	190	U	190	13	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
2-Chlorophenol	190	U	190	9.9	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
2-Methylnaphthalene	190	U	190	2.3	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
2-Methylphenol	190	U	190	6.0	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
2-Nitroaniline	380	U	380	62	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
2-Nitrophenol	190	U	190	8.8	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
3,3'-Dichlorobenzidine	190	U	190	170	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
3-Nitroaniline	380	U	380	45	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
4,6-Dinitro-2-methylphenol	380	U	380	67	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
4-Bromophenyl phenyl ether	190	U	190	62	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
4-Chloro-3-methylphenol	190	U	190	8.0	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
4-Chloroaniline	190	U	190	57	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
4-Chlorophenyl phenyl ether	190	U	190	4.1	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
4-Methylphenol	380	U	380	11	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
4-Nitroaniline	380	U	380	22	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
4-Nitrophenol	380	U	380	47	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Acenaphthene	190	U	190	2.3	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Acenaphthylene	**15**	**J**	190	1.6	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Acetophenone	190	U	190	9.9	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Anthracene	**13**	**J**	190	5.0	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Atrazine	190	U	190	8.6	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Benzaldehyde	190	U	190	21	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Benzo(a)anthracene	**91**	**J**	190	3.3	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Benzo(a)pyrene	**87**	**J**	190	4.7	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Benzo(b)fluoranthene	**110**	**J**	190	3.8	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Benzo(g,h,i)perylene	**31**	**J**	190	2.3	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Benzo(k)fluoranthene	**54**	**J**	190	2.1	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Bis(2-chloroethoxy)methane	190	U	190	11	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Bis(2-chloroethyl)ether	190	U	190	17	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Bis(2-ethylhexyl) phthalate	190	U	190	62	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Butyl benzyl phthalate	190	U	190	52	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Caprolactam	190	U	190	84	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Carbazole	190	U	190	2.2	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Chrysene	**94**	**J**	190	1.9	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Di-n-butyl phthalate	190	U	190	67	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-4 10.5'

Date Collected: 11/05/12 14:15
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-9

Matrix: Solid
Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	**20**	**J**	190	4.5	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Dibenz(a,h)anthracene	190	U	190	2.3	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Dibenzofuran	190	U	190	2.0	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Diethyl phthalate	190	U	190	5.8	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Dimethyl phthalate	190	U	190	5.0	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Fluoranthene	**190**		190	2.8	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Fluorene	190	U	190	4.5	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Hexachlorobenzene	190	U	190	9.6	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Hexachlorobutadiene	190	U	190	9.9	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Hexachlorocyclopentadiene	190	U	190	59	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Hexachloroethane	190	U	190	15	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Indeno(1,2,3-cd)pyrene	**31**	**J**	190	5.4	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Isophorone	190	U	190	9.7	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
N-Nitrosodi-n-propylamine	190	U	190	15	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
N-Nitrosodiphenylamine	190	U	190	11	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Naphthalene	190	U	190	3.2	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Nitrobenzene	190	U	190	8.6	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Pentachlorophenol	380	U	380	66	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Phenanthrene	**90**	**J**	190	4.1	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Phenol	190	U	190	20	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1
Pyrene	**170**	**J**	190	1.3	ug/Kg	☼	11/08/12 08:16	11/09/12 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*100*		*39 - 146*	*11/08/12 08:16*	*11/09/12 16:48*	*1*
2-Fluorobiphenyl	*83*		*37 - 120*	*11/08/12 08:16*	*11/09/12 16:48*	*1*
2-Fluorophenol	*67*		*18 - 120*	*11/08/12 08:16*	*11/09/12 16:48*	*1*
Nitrobenzene-d5	*74*		*34 - 132*	*11/08/12 08:16*	*11/09/12 16:48*	*1*
p-Terphenyl-d14	*103*		*65 - 153*	*11/08/12 08:16*	*11/09/12 16:48*	*1*
Phenol-d5	*77*		*11 - 120*	*11/08/12 08:16*	*11/09/12 16:48*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.0**		2.2	0.44	mg/Kg	☼	11/07/12 12:05	11/07/12 21:14	1
Barium	**49.6**		0.62	0.14	mg/Kg	☼	11/08/12 11:45	11/09/12 01:04	1
Cadmium	**0.10**	**J**	0.25	0.037	mg/Kg	☼	11/08/12 11:45	11/09/12 01:04	1
Chromium	**10.4**		0.62	0.25	mg/Kg	☼	11/08/12 11:45	11/09/12 01:04	1
Lead	**6.2**		1.2	0.30	mg/Kg	☼	11/08/12 11:45	11/09/12 01:04	1
Selenium	5.0	U	5.0	0.50	mg/Kg	☼	11/08/12 11:45	11/09/12 01:04	1
Silver	0.62	U	0.62	0.25	mg/Kg	☼	11/08/12 11:45	11/09/12 01:04	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021	U	0.021	0.0085	mg/Kg	☼	11/08/12 08:45	11/08/12 12:44	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-5 12'

Date Collected: 11/05/12 15:30
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-10

Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.0	U	4.0	0.29	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
1,1,2,2-Tetrachloroethane	4.0	U	4.0	0.66	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
1,1,2-Trichloroethane	4.0	U	4.0	0.53	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.0	U	4.0	0.92	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
1,1-Dichloroethane	4.0	U	4.0	0.49	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
1,1-Dichloroethene	4.0	U	4.0	0.49	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
1,2,4-Trichlorobenzene	4.0	U	4.0	0.25	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
1,2-Dibromo-3-Chloropropane	4.0	U	4.0	2.0	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
1,2-Dibromoethane	4.0	U	4.0	0.52	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
1,2-Dichlorobenzene	4.0	U	4.0	0.32	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
1,2-Dichloroethane	4.0	U	4.0	0.20	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
1,2-Dichloropropane	4.0	U	4.0	2.0	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
1,3-Dichlorobenzene	4.0	U	4.0	0.21	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
1,4-Dichlorobenzene	4.0	U	4.0	0.57	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
2-Hexanone	20	U	20	2.0	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
2-Butanone (MEK)	20	U	20	1.5	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
4-Methyl-2-pentanone (MIBK)	20	U	20	1.3	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Acetone	**8.8**	**J**	20	3.4	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Benzene	4.0	U	4.0	0.20	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Bromodichloromethane	4.0	U	4.0	0.54	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Bromoform	4.0	U	4.0	2.0	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Bromomethane	4.0	U	4.0	0.36	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Carbon disulfide	4.0	U	4.0	2.0	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Carbon tetrachloride	4.0	U	4.0	0.39	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Chlorobenzene	4.0	U	4.0	0.53	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Dibromochloromethane	4.0	U	4.0	0.52	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Chloroethane	4.0	U	4.0	0.91	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Chloroform	4.0	U	4.0	0.25	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Chloromethane	4.0	U	4.0	0.24	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
cis-1,2-Dichloroethene	4.0	U	4.0	0.52	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
cis-1,3-Dichloropropene	4.0	U	4.0	0.58	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Cyclohexane	4.0	U	4.0	0.57	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Dichlorodifluoromethane	4.0	U	4.0	0.33	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Ethylbenzene	4.0	U	4.0	0.28	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Isopropylbenzene	4.0	U	4.0	0.61	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Methyl acetate	4.0	U	4.0	0.75	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Methyl tert-butyl ether	4.0	U	4.0	0.40	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Methylcyclohexane	4.0	U	4.0	0.61	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Methylene Chloride	4.0	U	4.0	1.9	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Styrene	4.0	U	4.0	0.20	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Tetrachloroethene	4.0	U	4.0	0.54	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Toluene	4.0	U	4.0	0.31	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
trans-1,2-Dichloroethene	4.0	U	4.0	0.42	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
trans-1,3-Dichloropropene	4.0	U	4.0	1.8	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Trichloroethene	4.0	U	4.0	0.89	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Trichlorofluoromethane	4.0	U	4.0	0.38	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Vinyl chloride	4.0	U	4.0	0.49	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1
Xylenes, Total	8.1	U	8.1	0.68	ug/Kg	☼	11/13/12 23:52	11/14/12 01:26	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-5 12'

Date Collected: 11/05/12 15:30
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-10

Matrix: Solid
Percent Solids: 85.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*64 - 126*	*11/13/12 23:52*	*11/14/12 01:26*	*1*
Toluene-d8 (Surr)	*83*		*71 - 125*	*11/13/12 23:52*	*11/14/12 01:26*	*1*
4-Bromofluorobenzene (Surr)	*86*		*72 - 126*	*11/13/12 23:52*	*11/14/12 01:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	200	U	200	12	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
bis (2-chloroisopropyl) ether	200	U	200	20	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
2,4,5-Trichlorophenol	200	U	200	42	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
2,4,6-Trichlorophenol	200	U	200	13	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
2,4-Dichlorophenol	200	U	200	10	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
2,4-Dimethylphenol	200	U	200	52	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
2,4-Dinitrophenol	380	U	380	68	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
2,4-Dinitrotoluene	200	U	200	30	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
2,6-Dinitrotoluene	200	U	200	47	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
2-Chloronaphthalene	200	U	200	13	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
2-Chlorophenol	200	U	200	9.9	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
2-Methylnaphthalene	200	U	200	2.3	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
2-Methylphenol	200	U	200	6.0	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
2-Nitroaniline	380	U	380	62	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
2-Nitrophenol	200	U	200	8.9	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
3,3'-Dichlorobenzidine	200	U	200	170	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
3-Nitroaniline	380	U	380	45	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
4,6-Dinitro-2-methylphenol	380	U	380	67	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
4-Bromophenyl phenyl ether	200	U	200	62	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
4-Chloro-3-methylphenol	200	U	200	8.0	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
4-Chloroaniline	200	U	200	57	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
4-Chlorophenyl phenyl ether	200	U	200	4.1	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
4-Methylphenol	380	U	380	11	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
4-Nitroaniline	380	U	380	22	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
4-Nitrophenol	380	U	380	47	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Acenaphthene	200	U	200	2.3	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Acenaphthylene	200	U	200	1.6	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Acetophenone	200	U	200	9.9	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Anthracene	200	U	200	5.0	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Atrazine	200	U	200	8.6	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Benzaldehyde	200	U	200	21	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Benzo(a)anthracene	200	U	200	3.3	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Benzo(a)pyrene	200	U	200	4.7	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Benzo(b)fluoranthene	200	U	200	3.8	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Benzo(g,h,i)perylene	200	U	200	2.3	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Benzo(k)fluoranthene	200	U	200	2.1	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Bis(2-chloroethoxy)methane	200	U	200	11	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Bis(2-chloroethyl)ether	200	U	200	17	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Bis(2-ethylhexyl) phthalate	200	U	200	62	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Butyl benzyl phthalate	200	U	200	52	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Caprolactam	200	U	200	84	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Carbazole	200	U	200	2.2	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Chrysene	200	U	200	1.9	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Di-n-butyl phthalate	200	U	200	67	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1

Client Sample ID: PH-5 12'

Date Collected: 11/05/12 15:30
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-10

Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	200	U	200	4.5	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Dibenz(a,h)anthracene	200	U	200	2.3	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Dibenzofuran	200	U	200	2.0	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Diethyl phthalate	200	U	200	5.9	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Dimethyl phthalate	200	U	200	5.1	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Fluoranthene	200	U	200	2.8	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Fluorene	200	U	200	4.5	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Hexachlorobenzene	200	U	200	9.6	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Hexachlorobutadiene	200	U	200	9.9	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Hexachlorocyclopentadiene	200	U	200	59	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Hexachloroethane	200	U	200	15	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Indeno(1,2,3-cd)pyrene	200	U	200	5.4	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Isophorone	200	U	200	9.7	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
N-Nitrosodi-n-propylamine	200	U	200	15	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
N-Nitrosodiphenylamine	200	U	200	11	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Naphthalene	200	U	200	3.2	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Nitrobenzene	200	U	200	8.6	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Pentachlorophenol	380	U	380	66	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Phenanthrene	200	U	200	4.1	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Phenol	200	U	200	20	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1
Pyrene	200	U	200	1.3	ug/Kg	☼	11/08/12 08:16	11/09/12 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*97*		*39 - 146*	*11/08/12 08:16*	*11/09/12 17:13*	*1*
2-Fluorobiphenyl	*97*		*37 - 120*	*11/08/12 08:16*	*11/09/12 17:13*	*1*
2-Fluorophenol	*80*		*18 - 120*	*11/08/12 08:16*	*11/09/12 17:13*	*1*
Nitrobenzene-d5	*91*		*34 - 132*	*11/08/12 08:16*	*11/09/12 17:13*	*1*
p-Terphenyl-d14	*98*		*65 - 153*	*11/08/12 08:16*	*11/09/12 17:13*	*1*
Phenol-d5	*93*		*11 - 120*	*11/08/12 08:16*	*11/09/12 17:13*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.3**		2.4	0.47	mg/Kg	☼	11/07/12 12:05	11/07/12 21:16	1
Barium	**51.4**		0.54	0.12	mg/Kg	☼	11/08/12 11:45	11/09/12 01:06	1
Cadmium	**0.077**	**J**	0.22	0.032	mg/Kg	☼	11/08/12 11:45	11/09/12 01:06	1
Chromium	**10.3**		0.54	0.22	mg/Kg	☼	11/08/12 11:45	11/09/12 01:06	1
Lead	**4.6**		1.1	0.26	mg/Kg	☼	11/08/12 11:45	11/09/12 01:06	1
Selenium	4.3	U	4.3	0.43	mg/Kg	☼	11/08/12 11:45	11/09/12 01:06	1
Silver	0.54	U	0.54	0.22	mg/Kg	☼	11/08/12 11:45	11/09/12 01:06	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023	U	0.023	0.0094	mg/Kg	☼	11/08/12 08:45	11/08/12 12:46	1

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-6 9'
Date Collected: 11/05/12 16:20
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-11
Matrix: Solid
Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.3	U	4.3	0.31	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
1,1,2,2-Tetrachloroethane	4.3	U	4.3	0.70	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
1,1,2-Trichloroethane	4.3	U	4.3	0.56	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.3	U	4.3	0.98	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
1,1-Dichloroethane	4.3	U	4.3	0.52	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
1,1-Dichloroethene	4.3	U	4.3	0.53	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
1,2,4-Trichlorobenzene	4.3	U	4.3	0.26	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
1,2-Dibromo-3-Chloropropane	4.3	U	4.3	2.1	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
1,2-Dibromoethane	4.3	U	4.3	0.55	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
1,2-Dichlorobenzene	4.3	U	4.3	0.34	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
1,2-Dichloroethane	4.3	U	4.3	0.22	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
1,2-Dichloropropane	4.3	U	4.3	2.1	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
1,3-Dichlorobenzene	4.3	U	4.3	0.22	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
1,4-Dichlorobenzene	4.3	U	4.3	0.60	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
2-Hexanone	21	U	21	2.1	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
2-Butanone (MEK)	21	U	21	1.6	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
4-Methyl-2-pentanone (MIBK)	21	U	21	1.4	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Acetone	**11**	**J**	21	3.6	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Benzene	4.3	U	4.3	0.21	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Bromodichloromethane	4.3	U	4.3	0.58	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Bromoform	4.3	U	4.3	2.1	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Bromomethane	4.3	U	4.3	0.39	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Carbon disulfide	4.3	U	4.3	2.1	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Carbon tetrachloride	4.3	U	4.3	0.42	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Chlorobenzene	4.3	U	4.3	0.57	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Dibromochloromethane	4.3	U	4.3	0.55	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Chloroethane	4.3	U	4.3	0.97	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Chloroform	4.3	U	4.3	0.27	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Chloromethane	4.3	U	4.3	0.26	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
cis-1,2-Dichloroethene	4.3	U	4.3	0.55	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
cis-1,3-Dichloropropene	4.3	U	4.3	0.62	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Cyclohexane	4.3	U	4.3	0.60	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Dichlorodifluoromethane	4.3	U	4.3	0.35	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Ethylbenzene	4.3	U	4.3	0.30	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Isopropylbenzene	4.3	U	4.3	0.65	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Methyl acetate	4.3	U	4.3	0.80	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Methyl tert-butyl ether	4.3	U	4.3	0.42	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Methylcyclohexane	4.3	U	4.3	0.65	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Methylene Chloride	4.3	U	4.3	2.0	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Styrene	4.3	U	4.3	0.21	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Tetrachloroethene	4.3	U	4.3	0.58	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Toluene	4.3	U	4.3	0.32	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
trans-1,2-Dichloroethene	4.3	U	4.3	0.44	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
trans-1,3-Dichloropropene	4.3	U	4.3	1.9	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Trichloroethene	4.3	U	4.3	0.94	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Trichlorofluoromethane	4.3	U	4.3	0.41	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Vinyl chloride	4.3	U	4.3	0.52	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1
Xylenes, Total	8.6	U	8.6	0.72	ug/Kg	☼	11/14/12 10:43	11/15/12 00:29	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-6 9'

Date Collected: 11/05/12 16:20
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-11

Matrix: Solid
Percent Solids: 89.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*64 - 126*	*11/14/12 10:43*	*11/15/12 00:29*	*1*
Toluene-d8 (Surr)	*85*		*71 - 125*	*11/14/12 10:43*	*11/15/12 00:29*	*1*
4-Bromofluorobenzene (Surr)	*85*		*72 - 126*	*11/14/12 10:43*	*11/15/12 00:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	190	U	190	12	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
bis (2-chloroisopropyl) ether	190	U	190	19	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
2,4,5-Trichlorophenol	190	U	190	40	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
2,4,6-Trichlorophenol	190	U	190	12	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
2,4-Dichlorophenol	190	U	190	9.7	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
2,4-Dimethylphenol	190	U	190	50	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
2,4-Dinitrophenol	360	U	360	65	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
2,4-Dinitrotoluene	190	U	190	29	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
2,6-Dinitrotoluene	190	U	190	45	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
2-Chloronaphthalene	190	U	190	12	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
2-Chlorophenol	190	U	190	9.5	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
2-Methylnaphthalene	190	U	190	2.2	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
2-Methylphenol	190	U	190	5.7	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
2-Nitroaniline	360	U	360	60	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
2-Nitrophenol	190	U	190	8.5	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
3,3'-Dichlorobenzidine	190	U	190	160	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
3-Nitroaniline	360	U	360	43	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
4,6-Dinitro-2-methylphenol	360	U	360	64	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
4-Bromophenyl phenyl ether	190	U	190	59	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
4-Chloro-3-methylphenol	190	U	190	7.6	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
4-Chloroaniline	190	U	190	54	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
4-Chlorophenyl phenyl ether	190	U	190	4.0	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
4-Methylphenol	360	U	360	10	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
4-Nitroaniline	360	U	360	21	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
4-Nitrophenol	360	U	360	45	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Acenaphthene	190	U	190	2.2	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Acenaphthylene	190	U	190	1.5	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Acetophenone	190	U	190	9.5	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Anthracene	190	U	190	4.8	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Atrazine	190	U	190	8.3	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Benzaldehyde	190	U	190	20	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Benzo(a)anthracene	190	U	190	3.2	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Benzo(a)pyrene	190	U	190	4.5	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Benzo(b)fluoranthene	190	U	190	3.6	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Benzo(g,h,i)perylene	190	U	190	2.2	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Benzo(k)fluoranthene	190	U	190	2.0	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Bis(2-chloroethoxy)methane	190	U	190	10	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Bis(2-chloroethyl)ether	190	U	190	16	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Bis(2-ethylhexyl) phthalate	190	U	190	60	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Butyl benzyl phthalate	190	U	190	50	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Caprolactam	190	U	190	80	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Carbazole	190	U	190	2.1	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Chrysene	190	U	190	1.9	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Di-n-butyl phthalate	190	U	190	64	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1

Client Sample ID: PH-6 9'

Date Collected: 11/05/12 16:20
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-11

Matrix: Solid
Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	190	U	190	4.3	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Dibenz(a,h)anthracene	190	U	190	2.2	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Dibenzofuran	190	U	190	1.9	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Diethyl phthalate	190	U	190	5.6	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Dimethyl phthalate	190	U	190	4.8	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Fluoranthene	190	U	190	2.7	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Fluorene	190	U	190	4.3	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Hexachlorobenzene	190	U	190	9.2	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Hexachlorobutadiene	190	U	190	9.5	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Hexachlorocyclopentadiene	190	U	190	56	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Hexachloroethane	190	U	190	14	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Indeno(1,2,3-cd)pyrene	190	U	190	5.1	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Isophorone	190	U	190	9.3	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
N-Nitrosodi-n-propylamine	190	U	190	15	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
N-Nitrosodiphenylamine	190	U	190	10	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Naphthalene	190	U	190	3.1	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Nitrobenzene	190	U	190	8.2	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Pentachlorophenol	360	U	360	64	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Phenanthrene	190	U	190	3.9	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Phenol	190	U	190	20	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1
Pyrene	190	U	190	1.2	ug/Kg	☼	11/08/12 08:16	11/09/12 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*98*		*39 - 146*	*11/08/12 08:16*	*11/09/12 17:39*	*1*
2-Fluorobiphenyl	*90*		*37 - 120*	*11/08/12 08:16*	*11/09/12 17:39*	*1*
2-Fluorophenol	*74*		*18 - 120*	*11/08/12 08:16*	*11/09/12 17:39*	*1*
Nitrobenzene-d5	*85*		*34 - 132*	*11/08/12 08:16*	*11/09/12 17:39*	*1*
p-Terphenyl-d14	*102*		*65 - 153*	*11/08/12 08:16*	*11/09/12 17:39*	*1*
Phenol-d5	*87*		*11 - 120*	*11/08/12 08:16*	*11/09/12 17:39*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.0**		2.3	0.45	mg/Kg	☼	11/07/12 12:05	11/07/12 21:19	1
Barium	**47.1**		0.59	0.13	mg/Kg	☼	11/08/12 11:45	11/09/12 01:13	1
Cadmium	**0.10**	**J**	0.24	0.036	mg/Kg	☼	11/08/12 11:45	11/09/12 01:13	1
Chromium	**6.9**		0.59	0.24	mg/Kg	☼	11/08/12 11:45	11/09/12 01:13	1
Lead	**3.6**		1.2	0.28	mg/Kg	☼	11/08/12 11:45	11/09/12 01:13	1
Selenium	4.7	U	4.7	0.47	mg/Kg	☼	11/08/12 11:45	11/09/12 01:13	1
Silver	0.59	U	0.59	0.24	mg/Kg	☼	11/08/12 11:45	11/09/12 01:13	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023	U	0.023	0.0093	mg/Kg	☼	11/08/12 08:45	11/08/12 12:48	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-7 8.5'
Date Collected: 11/06/12 08:00
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-1
Matrix: Solid
Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.37	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.82	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
1,1-Dichloroethene	5.0	U	5.0	0.62	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.31	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
1,2-Dibromoethane	5.0	U	5.0	0.65	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
2-Hexanone	25	U	25	2.5	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Acetone	**13**	**J**	25	4.2	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Benzene	5.0	U	5.0	0.25	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Bromoform	5.0	U	5.0	2.5	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Carbon tetrachloride	5.0	U	5.0	0.49	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Chloroform	5.0	U	5.0	0.31	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Dichlorodifluoromethane	5.0	U	5.0	0.42	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Isopropylbenzene	5.0	U	5.0	0.76	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Methyl acetate	5.0	U	5.0	0.94	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Styrene	5.0	U	5.0	0.25	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Tetrachloroethene	5.0	U	5.0	0.68	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Toluene	**0.46**	**J**	5.0	0.38	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Trichlorofluoromethane	5.0	U	5.0	0.48	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1
Xylenes, Total	10	U	10	0.85	ug/Kg	☼	11/12/12 10:12	11/12/12 14:42	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-7 8.5'

Date Collected: 11/06/12 08:00
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-1

Matrix: Solid
Percent Solids: 89.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*11/12/12 10:12*	*11/12/12 14:42*	*1*
Toluene-d8 (Surr)	*87*		*71 - 125*	*11/12/12 10:12*	*11/12/12 14:42*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 126*	*11/12/12 10:12*	*11/12/12 14:42*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	190	U	190	12	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
bis (2-chloroisopropyl) ether	190	U	190	19	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
2,4,5-Trichlorophenol	190	U	190	41	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
2,4,6-Trichlorophenol	190	U	190	12	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
2,4-Dichlorophenol	190	U	190	9.8	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
2,4-Dimethylphenol	190	U	190	50	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
2,4-Dinitrophenol	360	U	360	65	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
2,4-Dinitrotoluene	190	U	190	29	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
2,6-Dinitrotoluene	190	U	190	46	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
2-Chloronaphthalene	190	U	190	12	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
2-Chlorophenol	190	U	190	9.5	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
2-Methylnaphthalene	190	U	190	2.3	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
2-Methylphenol	190	U	190	5.7	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
2-Nitroaniline	360	U	360	60	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
2-Nitrophenol	190	U	190	8.5	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
3,3'-Dichlorobenzidine	190	U	190	160	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
3-Nitroaniline	360	U	360	43	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
4,6-Dinitro-2-methylphenol	360	U	360	64	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
4-Bromophenyl phenyl ether	190	U	190	59	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
4-Chloro-3-methylphenol	190	U	190	7.7	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
4-Chloroaniline	190	U	190	55	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
4-Chlorophenyl phenyl ether	190	U	190	4.0	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
4-Methylphenol	360	U	360	10	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
4-Nitroaniline	360	U	360	21	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
4-Nitrophenol	360	U	360	45	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Acenaphthene	190	U	190	2.2	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Acenaphthylene	190	U	190	1.5	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Acetophenone	190	U	190	9.6	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Anthracene	190	U	190	4.8	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Atrazine	190	U	190	8.3	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Benzaldehyde	190	U	190	20	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Benzo(a)anthracene	190	U	190	3.2	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Benzo(a)pyrene	190	U	190	4.5	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Benzo(b)fluoranthene	190	U *	190	3.6	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Benzo(g,h,i)perylene	190	U	190	2.2	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Benzo(k)fluoranthene	190	U	190	2.0	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Bis(2-chloroethoxy)methane	190	U	190	10	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Bis(2-chloroethyl)ether	190	U	190	16	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Bis(2-ethylhexyl) phthalate	190	U	190	60	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Butyl benzyl phthalate	190	U	190	50	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Caprolactam	190	U	190	81	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Carbazole	190	U	190	2.2	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Chrysene	190	U	190	1.9	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Di-n-butyl phthalate	190	U	190	64	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1

Client Sample ID: PH-7 8.5'
Date Collected: 11/06/12 08:00
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-1
Matrix: Solid
Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	190	U	190	4.4	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Dibenz(a,h)anthracene	190	U	190	2.2	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Dibenzofuran	190	U	190	1.9	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Diethyl phthalate	190	U	190	5.6	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Dimethyl phthalate	190	U	190	4.9	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Fluoranthene	190	U	190	2.7	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Fluorene	190	U	190	4.3	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Hexachlorobenzene	190	U	190	9.2	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Hexachlorobutadiene	190	U	190	9.5	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Hexachlorocyclopentadiene	190	U	190	56	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Hexachloroethane	190	U	190	14	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Indeno(1,2,3-cd)pyrene	190	U	190	5.1	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Isophorone	190	U *	190	9.3	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
N-Nitrosodi-n-propylamine	190	U	190	15	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
N-Nitrosodiphenylamine	190	U	190	10	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Naphthalene	190	U	190	3.1	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Nitrobenzene	190	U	190	8.3	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Pentachlorophenol	360	U	360	64	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Phenanthrene	190	U	190	3.9	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Phenol	190	U	190	20	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1
Pyrene	190	U	190	1.2	ug/Kg	☼	11/09/12 08:37	11/09/12 21:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*106*		*39 - 146*	*11/09/12 08:37*	*11/09/12 21:41*	*1*
2-Fluorobiphenyl	*84*		*37 - 120*	*11/09/12 08:37*	*11/09/12 21:41*	*1*
2-Fluorophenol	*69*		*18 - 120*	*11/09/12 08:37*	*11/09/12 21:41*	*1*
Nitrobenzene-d5	*84*		*34 - 132*	*11/09/12 08:37*	*11/09/12 21:41*	*1*
p-Terphenyl-d14	*103*		*65 - 153*	*11/09/12 08:37*	*11/09/12 21:41*	*1*
Phenol-d5	*78*		*11 - 120*	*11/09/12 08:37*	*11/09/12 21:41*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.4**		2.2	0.44	mg/Kg	☼	11/09/12 13:45	11/10/12 18:29	1
Barium	**60.9**		0.55	0.12	mg/Kg	☼	11/09/12 13:45	11/10/12 18:29	1
Cadmium	**0.11**	**J**	0.22	0.033	mg/Kg	☼	11/09/12 13:45	11/10/12 18:29	1
Chromium	**11.4**		0.55	0.22	mg/Kg	☼	11/09/12 13:45	11/10/12 18:29	1
Lead	**5.0**		1.1	0.27	mg/Kg	☼	11/09/12 13:45	11/10/12 18:29	1
Selenium	4.4	U	4.4	0.44	mg/Kg	☼	11/09/12 13:45	11/10/12 18:29	1
Silver	0.55	U	0.55	0.22	mg/Kg	☼	11/09/12 13:45	11/10/12 18:29	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022	U	0.022	0.0090	mg/Kg	☼	11/08/12 08:45	11/08/12 11:52	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-8 3'
Date Collected: 11/06/12 09:30
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-2
Matrix: Solid
Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.3	U	4.3	0.32	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
1,1,2,2-Tetrachloroethane	4.3	U	4.3	0.71	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
1,1,2-Trichloroethane	4.3	U	4.3	0.57	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.3	U	4.3	0.99	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
1,1-Dichloroethane	4.3	U	4.3	0.53	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
1,1-Dichloroethene	4.3	U	4.3	0.53	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
1,2,4-Trichlorobenzene	4.3	U	4.3	0.26	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
1,2-Dibromo-3-Chloropropane	4.3	U	4.3	2.2	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
1,2-Dibromoethane	4.3	U	4.3	0.56	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
1,2-Dichlorobenzene	4.3	U	4.3	0.34	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
1,2-Dichloroethane	4.3	U	4.3	0.22	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
1,2-Dichloropropane	4.3	U	4.3	2.2	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
1,3-Dichlorobenzene	4.3	U	4.3	0.22	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
1,4-Dichlorobenzene	4.3	U	4.3	0.61	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
2-Hexanone	22	U	22	2.2	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
2-Butanone (MEK)	**3.1**	**J**	22	1.6	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
4-Methyl-2-pentanone (MIBK)	22	U	22	1.4	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Acetone	**24**		22	3.7	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Benzene	4.3	U	4.3	0.21	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Bromodichloromethane	4.3	U	4.3	0.58	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Bromoform	4.3	U	4.3	2.2	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Bromomethane	4.3	U	4.3	0.39	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Carbon disulfide	4.3	U	4.3	2.2	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Carbon tetrachloride	4.3	U	4.3	0.42	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Chlorobenzene	4.3	U	4.3	0.57	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Dibromochloromethane	4.3	U	4.3	0.56	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Chloroethane	4.3	U	4.3	0.98	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Chloroform	4.3	U	4.3	0.27	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Chloromethane	4.3	U	4.3	0.26	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
cis-1,2-Dichloroethene	4.3	U	4.3	0.56	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
cis-1,3-Dichloropropene	4.3	U	4.3	0.63	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Cyclohexane	4.3	U	4.3	0.61	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Dichlorodifluoromethane	4.3	U	4.3	0.36	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Ethylbenzene	4.3	U	4.3	0.30	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Isopropylbenzene	4.3	U	4.3	0.66	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Methyl acetate	4.3	U	4.3	0.81	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Methyl tert-butyl ether	4.3	U	4.3	0.43	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Methylcyclohexane	4.3	U	4.3	0.66	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Methylene Chloride	4.3	U	4.3	2.0	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Styrene	4.3	U	4.3	0.22	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Tetrachloroethene	4.3	U	4.3	0.58	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Toluene	4.3	U	4.3	0.33	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
trans-1,2-Dichloroethene	4.3	U	4.3	0.45	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
trans-1,3-Dichloropropene	4.3	U	4.3	1.9	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Trichloroethene	4.3	U	4.3	0.96	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Trichlorofluoromethane	4.3	U	4.3	0.41	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Vinyl chloride	4.3	U	4.3	0.53	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1
Xylenes, Total	8.7	U	8.7	0.73	ug/Kg	☼	11/12/12 10:12	11/12/12 15:08	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-8 3'

Date Collected: 11/06/12 09:30
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-2

Matrix: Solid
Percent Solids: 91.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*64 - 126*	*11/12/12 10:12*	*11/12/12 15:08*	*1*
Toluene-d8 (Surr)	*76*		*71 - 125*	*11/12/12 10:12*	*11/12/12 15:08*	*1*
4-Bromofluorobenzene (Surr)	*80*		*72 - 126*	*11/12/12 10:12*	*11/12/12 15:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	180	U	180	11	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
bis (2-chloroisopropyl) ether	180	U	180	19	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
2,4,5-Trichlorophenol	180	U	180	40	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
2,4,6-Trichlorophenol	180	U	180	12	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
2,4-Dichlorophenol	180	U	180	9.6	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
2,4-Dimethylphenol	180	U	180	50	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
2,4-Dinitrophenol	360	U	360	64	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
2,4-Dinitrotoluene	180	U	180	28	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
2,6-Dinitrotoluene	180	U	180	45	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
2-Chloronaphthalene	180	U	180	12	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
2-Chlorophenol	180	U	180	9.3	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
2-Methylnaphthalene	180	U	180	2.2	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
2-Methylphenol	180	U	180	5.6	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
2-Nitroaniline	360	U	360	59	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
2-Nitrophenol	180	U	180	8.4	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
3,3'-Dichlorobenzidine	180	U	180	160	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
3-Nitroaniline	360	U	360	42	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
4,6-Dinitro-2-methylphenol	360	U	360	63	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
4-Bromophenyl phenyl ether	180	U	180	58	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
4-Chloro-3-methylphenol	180	U	180	7.5	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
4-Chloroaniline	180	U	180	54	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
4-Chlorophenyl phenyl ether	180	U	180	3.9	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
4-Methylphenol	360	U	360	10	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
4-Nitroaniline	360	U	360	20	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
4-Nitrophenol	360	U	360	44	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Acenaphthene	180	U	180	2.2	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Acenaphthylene	180	U	180	1.5	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Acetophenone	180	U	180	9.4	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Anthracene	180	U	180	4.7	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Atrazine	180	U	180	8.2	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Benzaldehyde	180	U	180	20	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Benzo(a)anthracene	180	U	180	3.2	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Benzo(a)pyrene	180	U	180	4.4	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Benzo(b)fluoranthene	180	U *	180	3.6	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Benzo(g,h,i)perylene	180	U	180	2.2	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Benzo(k)fluoranthene	180	U	180	2.0	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Bis(2-chloroethoxy)methane	180	U	180	10	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Bis(2-chloroethyl)ether	180	U	180	16	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Bis(2-ethylhexyl) phthalate	180	U	180	59	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Butyl benzyl phthalate	180	U	180	49	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Caprolactam	180	U	180	79	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Carbazole	180	U	180	2.1	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Chrysene	180	U	180	1.8	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Di-n-butyl phthalate	180	U	180	63	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1

Client Sample ID: PH-8 3'

Date Collected: 11/06/12 09:30
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-2

Matrix: Solid
Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	180	U	180	4.3	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Dibenz(a,h)anthracene	180	U	180	2.2	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Dibenzofuran	180	U	180	1.9	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Diethyl phthalate	180	U	180	5.5	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Dimethyl phthalate	180	U	180	4.8	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Fluoranthene	180	U	180	2.7	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Fluorene	180	U	180	4.2	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Hexachlorobenzene	180	U	180	9.1	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Hexachlorobutadiene	180	U	180	9.4	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Hexachlorocyclopentadiene	180	U	180	55	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Hexachloroethane	180	U	180	14	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Indeno(1,2,3-cd)pyrene	180	U	180	5.1	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Isophorone	180	U *	180	9.2	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
N-Nitrosodi-n-propylamine	180	U	180	15	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
N-Nitrosodiphenylamine	180	U	180	10	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Naphthalene	180	U	180	3.1	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Nitrobenzene	180	U	180	8.1	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Pentachlorophenol	360	U	360	63	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Phenanthrene	180	U	180	3.9	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Phenol	180	U	180	19	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1
Pyrene	180	U	180	1.2	ug/Kg	☼	11/09/12 08:37	11/09/12 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*120*		*39 - 146*	*11/09/12 08:37*	*11/09/12 22:04*	*1*
2-Fluorobiphenyl	*84*		*37 - 120*	*11/09/12 08:37*	*11/09/12 22:04*	*1*
2-Fluorophenol	*66*		*18 - 120*	*11/09/12 08:37*	*11/09/12 22:04*	*1*
Nitrobenzene-d5	*84*		*34 - 132*	*11/09/12 08:37*	*11/09/12 22:04*	*1*
p-Terphenyl-d14	*104*		*65 - 153*	*11/09/12 08:37*	*11/09/12 22:04*	*1*
Phenol-d5	*76*		*11 - 120*	*11/09/12 08:37*	*11/09/12 22:04*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.1**		2.3	0.47	mg/Kg	☼	11/09/12 13:45	11/10/12 18:32	1
Barium	**39.5**		0.59	0.13	mg/Kg	☼	11/09/12 13:45	11/10/12 18:32	1
Cadmium	**0.080**	**J**	0.23	0.035	mg/Kg	☼	11/09/12 13:45	11/10/12 18:32	1
Chromium	**5.9**		0.59	0.23	mg/Kg	☼	11/09/12 13:45	11/10/12 18:32	1
Lead	**4.2**		1.2	0.28	mg/Kg	☼	11/09/12 13:45	11/10/12 18:32	1
Selenium	4.7	U	4.7	0.47	mg/Kg	☼	11/09/12 13:45	11/10/12 18:32	1
Silver	0.59	U	0.59	0.23	mg/Kg	☼	11/09/12 13:45	11/10/12 18:32	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	U	0.020	0.0081	mg/Kg	☼	11/08/12 08:45	11/08/12 11:57	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-9 7'
Date Collected: 11/06/12 10:30
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-3
Matrix: Solid
Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.7	U	4.7	0.34	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
1,1,2,2-Tetrachloroethane	4.7	U	4.7	0.76	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
1,1,2-Trichloroethane	4.7	U	4.7	0.61	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.7	U	4.7	1.1	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
1,1-Dichloroethane	4.7	U	4.7	0.57	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
1,1-Dichloroethene	4.7	U	4.7	0.57	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
1,2,4-Trichlorobenzene	4.7	U	4.7	0.29	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
1,2-Dibromo-3-Chloropropane	4.7	U	4.7	2.3	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
1,2-Dibromoethane	4.7	U	4.7	0.60	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
1,2-Dichlorobenzene	4.7	U	4.7	0.37	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
1,2-Dichloroethane	4.7	U	4.7	0.24	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
1,2-Dichloropropane	4.7	U	4.7	2.3	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
1,3-Dichlorobenzene	4.7	U	4.7	0.24	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
1,4-Dichlorobenzene	4.7	U	4.7	0.66	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
2-Hexanone	23	U	23	2.3	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
2-Butanone (MEK)	23	U	23	1.7	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
4-Methyl-2-pentanone (MIBK)	23	U	23	1.5	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Acetone	**15**	**J**	23	3.9	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Benzene	4.7	U	4.7	0.23	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Bromodichloromethane	4.7	U	4.7	0.63	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Bromoform	4.7	U	4.7	2.3	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Bromomethane	4.7	U	4.7	0.42	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Carbon disulfide	4.7	U	4.7	2.3	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Carbon tetrachloride	4.7	U	4.7	0.45	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Chlorobenzene	4.7	U	4.7	0.62	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Dibromochloromethane	4.7	U	4.7	0.60	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Chloroethane	4.7	U	4.7	1.1	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Chloroform	4.7	U	4.7	0.29	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Chloromethane	4.7	U	4.7	0.28	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
cis-1,2-Dichloroethene	4.7	U	4.7	0.60	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
cis-1,3-Dichloropropene	4.7	U	4.7	0.68	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Cyclohexane	4.7	U	4.7	0.66	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Dichlorodifluoromethane	4.7	U	4.7	0.39	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Ethylbenzene	4.7	U	4.7	0.32	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Isopropylbenzene	4.7	U	4.7	0.71	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Methyl acetate	4.7	U	4.7	0.87	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Methyl tert-butyl ether	4.7	U	4.7	0.46	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Methylcyclohexane	4.7	U	4.7	0.71	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Methylene Chloride	4.7	U	4.7	2.2	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Styrene	4.7	U	4.7	0.23	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Tetrachloroethene	4.7	U	4.7	0.63	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Toluene	4.7	U	4.7	0.35	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
trans-1,2-Dichloroethene	4.7	U	4.7	0.48	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
trans-1,3-Dichloropropene	4.7	U	4.7	2.1	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Trichloroethene	4.7	U	4.7	1.0	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Trichlorofluoromethane	4.7	U	4.7	0.44	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Vinyl chloride	4.7	U	4.7	0.57	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1
Xylenes, Total	9.4	U	9.4	0.79	ug/Kg	☼	11/12/12 10:12	11/12/12 15:34	1

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-9 7'
Date Collected: 11/06/12 10:30
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-3
Matrix: Solid
Percent Solids: 89.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		64 - 126	11/12/12 10:12	11/12/12 15:34	1
Toluene-d8 (Surr)	86		71 - 125	11/12/12 10:12	11/12/12 15:34	1
4-Bromofluorobenzene (Surr)	83		72 - 126	11/12/12 10:12	11/12/12 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	940	U	940	58	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
bis (2-chloroisopropyl) ether	940	U	940	98	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
2,4,5-Trichlorophenol	940	U	940	200	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
2,4,6-Trichlorophenol	940	U	940	62	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
2,4-Dichlorophenol	940	U	940	49	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
2,4-Dimethylphenol	940	U	940	250	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
2,4-Dinitrophenol	1800	U	1800	330	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
2,4-Dinitrotoluene	940	U	940	140	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
2,6-Dinitrotoluene	940	U	940	230	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
2-Chloronaphthalene	940	U	940	63	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
2-Chlorophenol	940	U	940	48	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
2-Methylnaphthalene	**14**	**J**	940	11	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
2-Methylphenol	940	U	940	29	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
2-Nitroaniline	1800	U	1800	300	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
2-Nitrophenol	940	U	940	43	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
3,3'-Dichlorobenzidine	940	U	940	820	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
3-Nitroaniline	1800	U	1800	220	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
4,6-Dinitro-2-methylphenol	1800	U	1800	320	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
4-Bromophenyl phenyl ether	940	U	940	300	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
4-Chloro-3-methylphenol	940	U	940	39	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
4-Chloroaniline	940	U	940	270	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
4-Chlorophenyl phenyl ether	940	U	940	20	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
4-Methylphenol	1800	U	1800	52	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
4-Nitroaniline	1800	U	1800	100	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
4-Nitrophenol	1800	U	1800	230	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Acenaphthene	940	U	940	11	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Acenaphthylene	940	U	940	7.7	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Acetophenone	940	U	940	48	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Anthracene	940	U	940	24	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Atrazine	940	U	940	42	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Benzaldehyde	940	U	940	100	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Benzo(a)anthracene	940	U	940	16	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Benzo(a)pyrene	940	U	940	23	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Benzo(b)fluoranthene	940	U *	940	18	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Benzo(g,h,i)perylene	940	U	940	11	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Benzo(k)fluoranthene	940	U	940	10	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Bis(2-chloroethoxy)methane	940	U	940	51	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Bis(2-chloroethyl)ether	940	U	940	81	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Bis(2-ethylhexyl) phthalate	940	U	940	300	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Butyl benzyl phthalate	940	U	940	250	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Caprolactam	**1100**		940	410	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Carbazole	940	U	940	11	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Chrysene	940	U	940	9.4	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Di-n-butyl phthalate	940	U	940	320	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1

Client Sample ID: PH-9 7'

Date Collected: 11/06/12 10:30
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-3

Matrix: Solid
Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	940	U	940	22	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Dibenz(a,h)anthracene	940	U	940	11	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Dibenzofuran	940	U	940	9.7	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Diethyl phthalate	940	U	940	28	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Dimethyl phthalate	940	U	940	24	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Fluoranthene	940	U	940	14	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Fluorene	940	U	940	22	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Hexachlorobenzene	940	U	940	47	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Hexachlorobutadiene	940	U	940	48	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Hexachlorocyclopentadiene	940	U	940	280	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Hexachloroethane	940	U	940	72	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Indeno(1,2,3-cd)pyrene	940	U	940	26	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Isophorone	940	U *	940	47	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
N-Nitrosodi-n-propylamine	940	U	940	74	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
N-Nitrosodiphenylamine	940	U	940	51	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Naphthalene	940	U	940	16	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Nitrobenzene	940	U	940	42	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Pentachlorophenol	1800	U	1800	320	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Phenanthrene	940	U	940	20	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Phenol	940	U	940	99	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1
Pyrene	940	U	940	6.1	ug/Kg	☼	11/09/12 08:37	11/09/12 22:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*112*		*39 - 146*	*11/09/12 08:37*	*11/09/12 22:27*	*1*
2-Fluorobiphenyl	*91*		*37 - 120*	*11/09/12 08:37*	*11/09/12 22:27*	*1*
2-Fluorophenol	*56*		*18 - 120*	*11/09/12 08:37*	*11/09/12 22:27*	*1*
Nitrobenzene-d5	*82*		*34 - 132*	*11/09/12 08:37*	*11/09/12 22:27*	*1*
p-Terphenyl-d14	*103*		*65 - 153*	*11/09/12 08:37*	*11/09/12 22:27*	*1*
Phenol-d5	*67*		*11 - 120*	*11/09/12 08:37*	*11/09/12 22:27*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**6200**	**H**	920	270	mg/Kg	☼	11/28/12 07:10	11/29/12 23:31	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*72*		*48 - 125*	*11/28/12 07:10*	*11/29/12 23:31*	*5*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.2**		2.2	0.44	mg/Kg	☼	11/09/12 13:45	11/10/12 18:34	1
Barium	**71.7**		0.55	0.12	mg/Kg	☼	11/09/12 13:45	11/10/12 18:34	1
Cadmium	**0.17**	**J**	0.22	0.033	mg/Kg	☼	11/09/12 13:45	11/10/12 18:34	1
Chromium	**11.2**		0.55	0.22	mg/Kg	☼	11/09/12 13:45	11/10/12 18:34	1
Lead	**10.6**		1.1	0.26	mg/Kg	☼	11/09/12 13:45	11/10/12 18:34	1
Selenium	4.4	U	4.4	0.44	mg/Kg	☼	11/09/12 13:45	11/10/12 18:34	1
Silver	0.55	U	0.55	0.22	mg/Kg	☼	11/09/12 13:45	11/10/12 18:34	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.016**	**J**	0.023	0.0092	mg/Kg	☼	11/08/12 08:45	11/08/12 11:59	1

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-11 5.5'
Date Collected: 11/06/12 11:30
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-4
Matrix: Solid
Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.7	U	4.7	0.34	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
1,1,2,2-Tetrachloroethane	4.7	U	4.7	0.77	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
1,1,2-Trichloroethane	4.7	U	4.7	0.62	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.7	U	4.7	1.1	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
1,1-Dichloroethane	4.7	U	4.7	0.58	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
1,1-Dichloroethene	4.7	U	4.7	0.58	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
1,2,4-Trichlorobenzene	4.7	U	4.7	0.29	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
1,2-Dibromo-3-Chloropropane	4.7	U	4.7	2.4	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
1,2-Dibromoethane	4.7	U	4.7	0.61	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
1,2-Dichlorobenzene	4.7	U	4.7	0.37	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
1,2-Dichloroethane	4.7	U	4.7	0.24	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
1,2-Dichloropropane	4.7	U	4.7	2.4	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
1,3-Dichlorobenzene	4.7	U	4.7	0.24	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
1,4-Dichlorobenzene	4.7	U	4.7	0.66	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
2-Hexanone	24	U	24	2.4	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
2-Butanone (MEK)	24	U	24	1.7	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.6	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Acetone	24	U	24	4.0	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Benzene	4.7	U	4.7	0.23	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Bromodichloromethane	4.7	U	4.7	0.63	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Bromoform	4.7	U	4.7	2.4	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Bromomethane	4.7	U	4.7	0.43	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Carbon disulfide	4.7	U	4.7	2.4	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Carbon tetrachloride	4.7	U	4.7	0.46	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Chlorobenzene	4.7	U	4.7	0.63	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Dibromochloromethane	4.7	U	4.7	0.61	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Chloroethane	4.7	U	4.7	1.1	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Chloroform	4.7	U	4.7	0.29	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Chloromethane	4.7	U	4.7	0.29	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
cis-1,2-Dichloroethene	4.7	U	4.7	0.61	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
cis-1,3-Dichloropropene	4.7	U	4.7	0.68	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Cyclohexane	4.7	U	4.7	0.66	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Dichlorodifluoromethane	4.7	U	4.7	0.39	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Ethylbenzene	4.7	U	4.7	0.33	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Isopropylbenzene	4.7	U	4.7	0.71	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Methyl acetate	4.7	U	4.7	0.88	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Methyl tert-butyl ether	4.7	U	4.7	0.47	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Methylcyclohexane	4.7	U	4.7	0.72	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Methylene Chloride	4.7	U	4.7	2.2	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Styrene	4.7	U	4.7	0.24	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Tetrachloroethene	4.7	U	4.7	0.64	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Toluene	4.7	U	4.7	0.36	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
trans-1,2-Dichloroethene	4.7	U	4.7	0.49	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
trans-1,3-Dichloropropene	4.7	U	4.7	2.1	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Trichloroethene	4.7	U	4.7	1.0	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Trichlorofluoromethane	4.7	U	4.7	0.45	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Vinyl chloride	4.7	U	4.7	0.58	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1
Xylenes, Total	9.5	U	9.5	0.80	ug/Kg	☼	11/12/12 10:12	11/12/12 15:59	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-11 5.5'

Date Collected: 11/06/12 11:30
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-4

Matrix: Solid
Percent Solids: 89.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*11/12/12 10:12*	*11/12/12 15:59*	*1*
Toluene-d8 (Surr)	*85*		*71 - 125*	*11/12/12 10:12*	*11/12/12 15:59*	*1*
4-Bromofluorobenzene (Surr)	*87*		*72 - 126*	*11/12/12 10:12*	*11/12/12 15:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	190	U	190	12	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
bis (2-chloroisopropyl) ether	190	U	190	20	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
2,4,5-Trichlorophenol	190	U	190	41	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
2,4,6-Trichlorophenol	190	U	190	12	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
2,4-Dichlorophenol	190	U	190	9.8	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
2,4-Dimethylphenol	190	U	190	51	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
2,4-Dinitrophenol	370	U	370	66	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
2,4-Dinitrotoluene	190	U	190	29	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
2,6-Dinitrotoluene	190	U	190	46	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
2-Chloronaphthalene	190	U	190	13	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
2-Chlorophenol	190	U	190	9.5	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
2-Methylnaphthalene	**9.9**	**J**	190	2.3	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
2-Methylphenol	190	U	190	5.8	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
2-Nitroaniline	370	U	370	60	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
2-Nitrophenol	190	U	190	8.6	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
3,3'-Dichlorobenzidine	190	U	190	160	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
3-Nitroaniline	370	U	370	43	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
4,6-Dinitro-2-methylphenol	370	U	370	65	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
4-Bromophenyl phenyl ether	190	U	190	60	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
4-Chloro-3-methylphenol	190	U	190	7.7	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
4-Chloroaniline	190	U	190	55	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
4-Chlorophenyl phenyl ether	190	U	190	4.0	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
4-Methylphenol	370	U	370	10	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
4-Nitroaniline	370	U	370	21	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
4-Nitrophenol	370	U	370	45	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Acenaphthene	190	U	190	2.2	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Acenaphthylene	190	U	190	1.5	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Acetophenone	190	U	190	9.6	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Anthracene	190	U	190	4.8	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Atrazine	190	U	190	8.3	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Benzaldehyde	190	U	190	21	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Benzo(a)anthracene	190	U	190	3.2	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Benzo(a)pyrene	190	U	190	4.5	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Benzo(b)fluoranthene	190	U *	190	3.6	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Benzo(g,h,i)perylene	190	U	190	2.2	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Benzo(k)fluoranthene	190	U	190	2.1	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Bis(2-chloroethoxy)methane	190	U	190	10	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Bis(2-chloroethyl)ether	190	U	190	16	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Bis(2-ethylhexyl) phthalate	190	U	190	60	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Butyl benzyl phthalate	190	U	190	50	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Caprolactam	190	U	190	81	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Carbazole	190	U	190	2.2	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Chrysene	190	U	190	1.9	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Di-n-butyl phthalate	190	U	190	65	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1

Client Sample ID: PH-11 5.5'

Date Collected: 11/06/12 11:30
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-4
Matrix: Solid
Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	190	U	190	4.4	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Dibenz(a,h)anthracene	190	U	190	2.2	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Dibenzofuran	190	U	190	1.9	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Diethyl phthalate	190	U	190	5.7	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Dimethyl phthalate	190	U	190	4.9	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Fluoranthene	190	U	190	2.7	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Fluorene	190	U	190	4.3	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Hexachlorobenzene	190	U	190	9.3	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Hexachlorobutadiene	190	U	190	9.6	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Hexachlorocyclopentadiene	190	U	190	57	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Hexachloroethane	190	U	190	14	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Indeno(1,2,3-cd)pyrene	190	U	190	5.2	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Isophorone	190	U *	190	9.4	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
N-Nitrosodi-n-propylamine	190	U	190	15	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
N-Nitrosodiphenylamine	190	U	190	10	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Naphthalene	**49**	**J**	190	3.1	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Nitrobenzene	190	U	190	8.3	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Pentachlorophenol	370	U	370	64	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Phenanthrene	190	U	190	3.9	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Phenol	190	U	190	20	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1
Pyrene	190	U	190	1.2	ug/Kg	☼	11/09/12 08:37	11/09/12 22:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*117*		*39 - 146*	*11/09/12 08:37*	*11/09/12 22:51*	*1*
2-Fluorobiphenyl	*85*		*37 - 120*	*11/09/12 08:37*	*11/09/12 22:51*	*1*
2-Fluorophenol	*73*		*18 - 120*	*11/09/12 08:37*	*11/09/12 22:51*	*1*
Nitrobenzene-d5	*92*		*34 - 132*	*11/09/12 08:37*	*11/09/12 22:51*	*1*
p-Terphenyl-d14	*107*		*65 - 153*	*11/09/12 08:37*	*11/09/12 22:51*	*1*
Phenol-d5	*83*		*11 - 120*	*11/09/12 08:37*	*11/09/12 22:51*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.4**		2.2	0.44	mg/Kg	☼	11/09/12 13:45	11/10/12 18:36	1
Barium	**13.2**		0.55	0.12	mg/Kg	☼	11/09/12 13:45	11/10/12 18:36	1
Cadmium	**0.098**	**J**	0.22	0.033	mg/Kg	☼	11/09/12 13:45	11/10/12 18:36	1
Chromium	**21.5**		0.55	0.22	mg/Kg	☼	11/09/12 13:45	11/10/12 18:36	1
Lead	**4.4**		1.1	0.26	mg/Kg	☼	11/09/12 13:45	11/10/12 18:36	1
Selenium	4.4	U	4.4	0.44	mg/Kg	☼	11/09/12 13:45	11/10/12 18:36	1
Silver	0.55	U	0.55	0.22	mg/Kg	☼	11/09/12 13:45	11/10/12 18:36	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.011**	**J**	0.022	0.0088	mg/Kg	☼	11/08/12 08:45	11/08/12 12:01	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-12 8'

Date Collected: 11/06/12 12:50
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-5

Matrix: Solid
Percent Solids: 88.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.5**		2.4	0.47	mg/Kg	☼	11/09/12 13:45	11/10/12 18:38	1
Barium	**30.2**		0.59	0.13	mg/Kg	☼	11/09/12 13:45	11/10/12 18:38	1
Cadmium	**0.098**	**J**	0.24	0.035	mg/Kg	☼	11/09/12 13:45	11/10/12 18:38	1
Chromium	**5.6**		0.59	0.24	mg/Kg	☼	11/09/12 13:45	11/10/12 18:38	1
Lead	**4.1**		1.2	0.28	mg/Kg	☼	11/09/12 13:45	11/10/12 18:38	1
Selenium	4.7	U	4.7	0.47	mg/Kg	☼	11/09/12 13:45	11/10/12 18:38	1
Silver	0.59	U	0.59	0.24	mg/Kg	☼	11/09/12 13:45	11/10/12 18:38	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022	U	0.022	0.0089	mg/Kg	☼	11/08/12 08:45	11/08/12 12:02	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-13 10'

Date Collected: 11/06/12 13:25
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-6

Matrix: Solid
Percent Solids: 88.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.2**		2.3	0.45	mg/Kg	☼	11/09/12 13:45	11/10/12 18:41	1
Barium	**83.9**		0.57	0.12	mg/Kg	☼	11/09/12 13:45	11/10/12 18:41	1
Cadmium	**0.085**	**J**	0.23	0.034	mg/Kg	☼	11/09/12 13:45	11/10/12 18:41	1
Chromium	**13.5**		0.57	0.23	mg/Kg	☼	11/09/12 13:45	11/10/12 18:41	1
Lead	**2.9**		1.1	0.27	mg/Kg	☼	11/09/12 13:45	11/10/12 18:41	1
Selenium	4.5	U	4.5	0.45	mg/Kg	☼	11/09/12 13:45	11/10/12 18:41	1
Silver	0.57	U	0.57	0.23	mg/Kg	☼	11/09/12 13:45	11/10/12 18:41	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023	U	0.023	0.0093	mg/Kg	☼	11/08/12 08:45	11/08/12 12:04	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-14 6'

Date Collected: 11/06/12 14:00
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-7

Matrix: Solid
Percent Solids: 85.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.7**		2.6	0.52	mg/Kg	☼	11/09/12 13:45	11/10/12 18:48	1
Barium	**27.1**		0.65	0.14	mg/Kg	☼	11/09/12 13:45	11/10/12 18:48	1
Cadmium	**0.31**		0.26	0.039	mg/Kg	☼	11/09/12 13:45	11/10/12 18:48	1
Chromium	**8.1**		0.65	0.26	mg/Kg	☼	11/09/12 13:45	11/10/12 18:48	1
Lead	**5.0**		1.3	0.31	mg/Kg	☼	11/09/12 13:45	11/10/12 18:48	1
Selenium	5.2	U	5.2	0.52	mg/Kg	☼	11/09/12 13:45	11/10/12 18:48	1
Silver	0.65	U	0.65	0.26	mg/Kg	☼	11/09/12 13:45	11/10/12 18:48	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022	U	0.022	0.0091	mg/Kg	☼	11/08/12 08:45	11/08/12 12:06	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-15 7.5'

Date Collected: 11/06/12 14:40
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-8

Matrix: Solid
Percent Solids: 90.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13.8		2.3	0.45	mg/Kg	☼	11/09/12 13:45	11/10/12 18:51	1
Barium	43.3		0.57	0.12	mg/Kg	☼	11/09/12 13:45	11/10/12 18:51	1
Cadmium	0.14	J	0.23	0.034	mg/Kg	☼	11/09/12 13:45	11/10/12 18:51	1
Chromium	14.3		0.57	0.23	mg/Kg	☼	11/09/12 13:45	11/10/12 18:51	1
Lead	32.1		1.1	0.27	mg/Kg	☼	11/09/12 13:45	11/10/12 18:51	1
Selenium	4.5	U	4.5	0.45	mg/Kg	☼	11/09/12 13:45	11/10/12 18:51	1
Silver	0.32	J	0.57	0.23	mg/Kg	☼	11/09/12 13:45	11/10/12 18:51	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.059		0.021	0.0086	mg/Kg	☼	11/08/12 08:45	11/08/12 12:08	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-16 1'

Date Collected: 11/06/12 15:50
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-9

Matrix: Solid
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
2-Hexanone	25	U	25	2.5	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
2-Butanone (MEK)	**8.1**	**J**	25	1.8	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Acetone	**46**		25	4.2	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Benzene	5.0	U	5.0	0.24	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Bromoform	5.0	U	5.0	2.5	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Chloroform	5.0	U	5.0	0.31	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Ethylbenzene	5.0	U	5.0	0.34	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Methyl acetate	5.0	U	5.0	0.93	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Styrene	5.0	U	5.0	0.25	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Toluene	5.0	U	5.0	0.38	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1
Xylenes, Total	10	U	10	0.84	ug/Kg	☼	11/12/12 10:12	11/12/12 16:25	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-16 1'

Date Collected: 11/06/12 15:50
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-9

Matrix: Solid
Percent Solids: 83.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*64 - 126*	*11/12/12 10:12*	*11/12/12 16:25*	*1*
Toluene-d8 (Surr)	*88*		*71 - 125*	*11/12/12 10:12*	*11/12/12 16:25*	*1*
4-Bromofluorobenzene (Surr)	*80*		*72 - 126*	*11/12/12 10:12*	*11/12/12 16:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	1000	U	1000	62	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
bis (2-chloroisopropyl) ether	1000	U	1000	100	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
2,4,5-Trichlorophenol	1000	U	1000	220	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
2,4,6-Trichlorophenol	1000	U	1000	66	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
2,4-Dichlorophenol	1000	U	1000	53	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
2,4-Dimethylphenol	1000	U	1000	270	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
2,4-Dinitrophenol	2000	U	2000	350	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
2,4-Dinitrotoluene	1000	U	1000	160	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
2,6-Dinitrotoluene	1000	U	1000	250	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
2-Chloronaphthalene	1000	U	1000	67	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
2-Chlorophenol	1000	U	1000	51	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
2-Methylnaphthalene	1000	U	1000	12	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
2-Methylphenol	1000	U	1000	31	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
2-Nitroaniline	2000	U	2000	320	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
2-Nitrophenol	1000	U	1000	46	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
3,3'-Dichlorobenzidine	1000	U	1000	880	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
3-Nitroaniline	2000	U	2000	230	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
4,6-Dinitro-2-methylphenol	2000	U	2000	350	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
4-Bromophenyl phenyl ether	1000	U	1000	320	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
4-Chloro-3-methylphenol	1000	U	1000	41	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
4-Chloroaniline	1000	U	1000	290	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
4-Chlorophenyl phenyl ether	1000	U	1000	21	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
4-Methylphenol	2000	U	2000	56	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
4-Nitroaniline	2000	U	2000	110	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
4-Nitrophenol	2000	U	2000	240	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Acenaphthene	1000	U	1000	12	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Acenaphthylene	1000	U	1000	8.2	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Acetophenone	1000	U	1000	51	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Anthracene	1000	U	1000	26	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Atrazine	1000	U	1000	45	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Benzaldehyde	1000	U	1000	110	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Benzo(a)anthracene	1000	U	1000	17	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Benzo(a)pyrene	1000	U	1000	24	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Benzo(b)fluoranthene	1000	U *	1000	19	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Benzo(g,h,i)perylene	1000	U	1000	12	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Benzo(k)fluoranthene	1000	U	1000	11	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Bis(2-chloroethoxy)methane	1000	U	1000	54	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Bis(2-chloroethyl)ether	1000	U	1000	86	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Bis(2-ethylhexyl) phthalate	**1900**		1000	320	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Butyl benzyl phthalate	1000	U	1000	270	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Caprolactam	**1200**		1000	430	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Carbazole	1000	U	1000	12	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Chrysene	1000	U	1000	10	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Di-n-butyl phthalate	1000	U	1000	350	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1

Client Sample ID: PH-16 1'

Date Collected: 11/06/12 15:50
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-9

Matrix: Solid
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	1000	U	1000	23	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Dibenz(a,h)anthracene	1000	U	1000	12	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Dibenzofuran	1000	U	1000	10	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Diethyl phthalate	1000	U	1000	30	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Dimethyl phthalate	1000	U	1000	26	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Fluoranthene	1000	U	1000	15	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Fluorene	1000	U	1000	23	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Hexachlorobenzene	1000	U	1000	50	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Hexachlorobutadiene	1000	U	1000	51	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Hexachlorocyclopentadiene	1000	U	1000	300	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Hexachloroethane	1000	U	1000	78	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Indeno(1,2,3-cd)pyrene	1000	U	1000	28	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Isophorone	1000	U *	1000	50	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
N-Nitrosodi-n-propylamine	1000	U	1000	79	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
N-Nitrosodiphenylamine	1000	U	1000	55	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Naphthalene	1000	U	1000	17	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Nitrobenzene	1000	U	1000	44	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Pentachlorophenol	2000	U	2000	340	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Phenanthrene	1000	U	1000	21	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Phenol	1000	U	1000	110	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1
Pyrene	**260**	**J**	1000	6.5	ug/Kg	☼	11/09/12 08:37	11/09/12 23:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*115*		*39 - 146*	*11/09/12 08:37*	*11/09/12 23:15*	*1*
2-Fluorobiphenyl	*89*		*37 - 120*	*11/09/12 08:37*	*11/09/12 23:15*	*1*
2-Fluorophenol	*62*		*18 - 120*	*11/09/12 08:37*	*11/09/12 23:15*	*1*
Nitrobenzene-d5	*77*		*34 - 132*	*11/09/12 08:37*	*11/09/12 23:15*	*1*
p-Terphenyl-d14	*101*		*65 - 153*	*11/09/12 08:37*	*11/09/12 23:15*	*1*
Phenol-d5	*67*		*11 - 120*	*11/09/12 08:37*	*11/09/12 23:15*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1600**	**H**	200	59	mg/Kg	☼	11/28/12 07:10	11/30/12 00:04	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*50*		*48 - 125*	*11/28/12 07:10*	*11/30/12 00:04*	*10*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.1**		2.1	0.43	mg/Kg	☼	11/09/12 13:45	11/10/12 18:53	1
Barium	**17.7**		0.54	0.12	mg/Kg	☼	11/09/12 13:45	11/10/12 18:53	1
Cadmium	**0.12**	**J**	0.21	0.032	mg/Kg	☼	11/09/12 13:45	11/10/12 18:53	1
Chromium	**18.7**		0.54	0.21	mg/Kg	☼	11/09/12 13:45	11/10/12 18:53	1
Lead	**11.2**		1.1	0.26	mg/Kg	☼	11/09/12 13:45	11/10/12 18:53	1
Selenium	4.3	U	4.3	0.43	mg/Kg	☼	11/09/12 13:45	11/10/12 18:53	1
Silver	0.54	U	0.54	0.21	mg/Kg	☼	11/09/12 13:45	11/10/12 18:53	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022	U	0.022	0.0090	mg/Kg	☼	11/08/12 08:45	11/08/12 12:09	1

Surrogate Summary

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	TOL	BFB
Lab Sample ID	Client Sample ID	(64-126)	(71-125)	(72-126)
480-27826-6	PH-1 1'	97	85	89
480-27826-7	PH-2 1'	103	87	90
480-27826-8	PH-3 0-2.5'	109	90	78
480-27826-9	PH-4 10.5'	93	82	84
480-27826-10	PH-5 12'	92	83	86
480-27826-11	PH-6 9'	97	85	85
480-27956-1	PH-7 8.5'	104	87	90
480-27956-2	PH-8 3'	91	76	80
480-27956-3	PH-9 7'	106	86	83
480-27956-4	PH-11 5.5'	101	85	87
480-27956-9	PH-16 1'	96	88	80
LCS 480-90287/29	Lab Control Sample	96	87	88
LCS 480-90703/4	Lab Control Sample	87	83	85
LCS 480-90981/4	Lab Control Sample	99	85	88
MB 480-90287/6	Method Blank	94	88	88
MB 480-90703/27	Method Blank	97	88	89
MB 480-90981/5	Method Blank	96	88	89

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**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPH	PHL
Lab Sample ID	Client Sample ID	(39-146)	(37-120)	(18-120)	(34-132)	(65-153)	(11-120)
480-27826-6	PH-1 1'	99	86	71	79	103	82
480-27826-7	PH-2 1'	58	69	47	50	81	58
480-27826-8	PH-3 0-2.5'	0 X	0 X	0 X	0 X	0 X	0 X
480-27826-9	PH-4 10.5'	100	83	67	74	103	77
480-27826-10	PH-5 12'	97	97	80	91	98	93
480-27826-11	PH-6 9'	98	90	74	85	102	87
480-27956-1	PH-7 8.5'	106	84	69	84	103	78
480-27956-2	PH-8 3'	120	84	66	84	104	76
480-27956-2 MS	PH-8 3'	120	92	81	101	106	94
480-27956-2 MSD	PH-8 3'	121	93	81	99	106	93
480-27956-3	PH-9 7'	112	91	56	82	103	67
480-27956-4	PH-11 5.5'	117	85	73	92	107	83
480-27956-9	PH-16 1'	115	89	62	77	101	67
LCS 480-89623/2-A	Lab Control Sample	106	95	83	98	99	94
LCS 480-89888/2-A	Lab Control Sample	130	106	93	120	112	107
MB 480-89623/1-A	Method Blank	101	97	87	92	101	96
MB 480-89888/1-A	Method Blank	110	90	75	94	98	87

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl

Surrogate Summary

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPH = p-Terphenyl-d14
PHL = Phenol-d5

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**OTPH1 (48-125)**							
480-27826-8	PH-3 0-2.5'	57							
480-27956-3	PH-9 7'	72							
480-27956-9	PH-16 1'	50							
LCS 480-93049/2-A	Lab Control Sample	96							
MB 480-93049/1-A	Method Blank	81							

Surrogate Legend

OTPH = o-Terphenyl

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

Lab Sample ID: MB 480-90287/6
Matrix: Solid
Analysis Batch: 90287

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	5.0	U	5.0	0.36	ug/Kg			11/12/12 11:34	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg			11/12/12 11:34	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg			11/12/12 11:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg			11/12/12 11:34	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg			11/12/12 11:34	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg			11/12/12 11:34	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg			11/12/12 11:34	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg			11/12/12 11:34	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg			11/12/12 11:34	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg			11/12/12 11:34	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg			11/12/12 11:34	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg			11/12/12 11:34	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg			11/12/12 11:34	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg			11/12/12 11:34	1
2-Hexanone	25	U	25	2.5	ug/Kg			11/12/12 11:34	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg			11/12/12 11:34	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg			11/12/12 11:34	1
Acetone	25	U	25	4.2	ug/Kg			11/12/12 11:34	1
Benzene	5.0	U	5.0	0.25	ug/Kg			11/12/12 11:34	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg			11/12/12 11:34	1
Bromoform	5.0	U	5.0	2.5	ug/Kg			11/12/12 11:34	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg			11/12/12 11:34	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg			11/12/12 11:34	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg			11/12/12 11:34	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg			11/12/12 11:34	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg			11/12/12 11:34	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg			11/12/12 11:34	1
Chloroform	5.0	U	5.0	0.31	ug/Kg			11/12/12 11:34	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg			11/12/12 11:34	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg			11/12/12 11:34	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg			11/12/12 11:34	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg			11/12/12 11:34	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg			11/12/12 11:34	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg			11/12/12 11:34	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg			11/12/12 11:34	1
Methyl acetate	5.0	U	5.0	0.93	ug/Kg			11/12/12 11:34	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg			11/12/12 11:34	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg			11/12/12 11:34	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg			11/12/12 11:34	1
Styrene	5.0	U	5.0	0.25	ug/Kg			11/12/12 11:34	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg			11/12/12 11:34	1
Toluene	5.0	U	5.0	0.38	ug/Kg			11/12/12 11:34	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg			11/12/12 11:34	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg			11/12/12 11:34	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg			11/12/12 11:34	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg			11/12/12 11:34	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg			11/12/12 11:34	1
Xylenes, Total	10	U	10	0.84	ug/Kg			11/12/12 11:34	1

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

Lab Sample ID: MB 480-90287/6
Matrix: Solid
Analysis Batch: 90287

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		64 - 126		11/12/12 11:34	1
Toluene-d8 (Surr)	88		71 - 125		11/12/12 11:34	1
4-Bromofluorobenzene (Surr)	88		72 - 126		11/12/12 11:34	1

Lab Sample ID: LCS 480-90287/29
Matrix: Solid
Analysis Batch: 90287

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	50.3		ug/Kg		101	73 - 126
1,1-Dichloroethene	50.0	39.6		ug/Kg		79	59 - 125
1,2-Dichlorobenzene	50.0	48.3		ug/Kg		97	75 - 120
1,2-Dichloroethane	50.0	59.5		ug/Kg		119	77 - 122
Benzene	50.0	46.9		ug/Kg		94	79 - 127
Chlorobenzene	50.0	49.2		ug/Kg		98	76 - 124
cis-1,2-Dichloroethene	50.0	49.6		ug/Kg		99	81 - 117
Ethylbenzene	50.0	49.1		ug/Kg		98	80 - 120
Methyl tert-butyl ether	50.0	50.0		ug/Kg		100	63 - 125
Tetrachloroethene	50.0	48.4		ug/Kg		97	74 - 122
Toluene	50.0	46.0		ug/Kg		92	74 - 128
trans-1,2-Dichloroethene	50.0	49.4		ug/Kg		99	78 - 126
Trichloroethene	50.0	50.5		ug/Kg		101	77 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		64 - 126
Toluene-d8 (Surr)	87		71 - 125
4-Bromofluorobenzene (Surr)	88		72 - 126

Lab Sample ID: MB 480-90703/27
Matrix: Solid
Analysis Batch: 90703

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	5.0	U	5.0	0.36	ug/Kg			11/13/12 23:33	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg			11/13/12 23:33	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg			11/13/12 23:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg			11/13/12 23:33	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg			11/13/12 23:33	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg			11/13/12 23:33	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg			11/13/12 23:33	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg			11/13/12 23:33	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg			11/13/12 23:33	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg			11/13/12 23:33	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg			11/13/12 23:33	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg			11/13/12 23:33	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg			11/13/12 23:33	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg			11/13/12 23:33	1
2-Hexanone	25	U	25	2.5	ug/Kg			11/13/12 23:33	1

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

Lab Sample ID: MB 480-90703/27
Matrix: Solid
Analysis Batch: 90703

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	25	U	25	1.8	ug/Kg			11/13/12 23:33	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg			11/13/12 23:33	1
Acetone	25	U	25	4.2	ug/Kg			11/13/12 23:33	1
Benzene	5.0	U	5.0	0.25	ug/Kg			11/13/12 23:33	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg			11/13/12 23:33	1
Bromoform	5.0	U	5.0	2.5	ug/Kg			11/13/12 23:33	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg			11/13/12 23:33	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg			11/13/12 23:33	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg			11/13/12 23:33	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg			11/13/12 23:33	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg			11/13/12 23:33	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg			11/13/12 23:33	1
Chloroform	5.0	U	5.0	0.31	ug/Kg			11/13/12 23:33	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg			11/13/12 23:33	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg			11/13/12 23:33	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg			11/13/12 23:33	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg			11/13/12 23:33	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg			11/13/12 23:33	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg			11/13/12 23:33	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg			11/13/12 23:33	1
Methyl acetate	5.0	U	5.0	0.93	ug/Kg			11/13/12 23:33	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg			11/13/12 23:33	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg			11/13/12 23:33	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg			11/13/12 23:33	1
Styrene	5.0	U	5.0	0.25	ug/Kg			11/13/12 23:33	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg			11/13/12 23:33	1
Toluene	5.0	U	5.0	0.38	ug/Kg			11/13/12 23:33	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg			11/13/12 23:33	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg			11/13/12 23:33	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg			11/13/12 23:33	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg			11/13/12 23:33	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg			11/13/12 23:33	1
Xylenes, Total	10	U	10	0.84	ug/Kg			11/13/12 23:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*64 - 126*		*11/13/12 23:33*	*1*
Toluene-d8 (Surr)	*88*		*71 - 125*		*11/13/12 23:33*	*1*
4-Bromofluorobenzene (Surr)	*89*		*72 - 126*		*11/13/12 23:33*	*1*

Lab Sample ID: LCS 480-90703/4
Matrix: Solid
Analysis Batch: 90703

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	47.0		ug/Kg		94	73 - 126
1,1-Dichloroethene	50.0	43.5		ug/Kg		87	59 - 125
1,2-Dichlorobenzene	50.0	46.3		ug/Kg		93	75 - 120
1,2-Dichloroethane	50.0	53.0		ug/Kg		106	77 - 122

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

Lab Sample ID: LCS 480-90703/4
Matrix: Solid
Analysis Batch: 90703

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	44.7		ug/Kg		89	79 - 127
Chlorobenzene	50.0	45.4		ug/Kg		91	76 - 124
cis-1,2-Dichloroethene	50.0	45.7		ug/Kg		91	81 - 117
Ethylbenzene	50.0	45.9		ug/Kg		92	80 - 120
Methyl tert-butyl ether	50.0	49.9		ug/Kg		100	63 - 125
Tetrachloroethene	50.0	46.0		ug/Kg		92	74 - 122
Toluene	50.0	44.2		ug/Kg		88	74 - 128
trans-1,2-Dichloroethene	50.0	44.7		ug/Kg		89	78 - 126
Trichloroethene	50.0	45.9		ug/Kg		92	77 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*64 - 126*
Toluene-d8 (Surr)	*83*		*71 - 125*
4-Bromofluorobenzene (Surr)	*85*		*72 - 126*

Lab Sample ID: MB 480-90981/5
Matrix: Solid
Analysis Batch: 90981

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	5.0	U	5.0	0.36	ug/Kg			11/14/12 23:27	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg			11/14/12 23:27	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg			11/14/12 23:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg			11/14/12 23:27	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg			11/14/12 23:27	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg			11/14/12 23:27	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg			11/14/12 23:27	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg			11/14/12 23:27	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg			11/14/12 23:27	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg			11/14/12 23:27	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg			11/14/12 23:27	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg			11/14/12 23:27	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg			11/14/12 23:27	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg			11/14/12 23:27	1
2-Hexanone	25	U	25	2.5	ug/Kg			11/14/12 23:27	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg			11/14/12 23:27	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg			11/14/12 23:27	1
Acetone	25	U	25	4.2	ug/Kg			11/14/12 23:27	1
Benzene	5.0	U	5.0	0.25	ug/Kg			11/14/12 23:27	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg			11/14/12 23:27	1
Bromoform	5.0	U	5.0	2.5	ug/Kg			11/14/12 23:27	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg			11/14/12 23:27	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg			11/14/12 23:27	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg			11/14/12 23:27	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg			11/14/12 23:27	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg			11/14/12 23:27	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg			11/14/12 23:27	1
Chloroform	5.0	U	5.0	0.31	ug/Kg			11/14/12 23:27	1

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

Lab Sample ID: MB 480-90981/5
Matrix: Solid
Analysis Batch: 90981

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	5.0	U	5.0	0.30	ug/Kg			11/14/12 23:27	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg			11/14/12 23:27	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg			11/14/12 23:27	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg			11/14/12 23:27	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg			11/14/12 23:27	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg			11/14/12 23:27	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg			11/14/12 23:27	1
Methyl acetate	5.0	U	5.0	0.93	ug/Kg			11/14/12 23:27	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg			11/14/12 23:27	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg			11/14/12 23:27	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg			11/14/12 23:27	1
Styrene	5.0	U	5.0	0.25	ug/Kg			11/14/12 23:27	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg			11/14/12 23:27	1
Toluene	5.0	U	5.0	0.38	ug/Kg			11/14/12 23:27	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg			11/14/12 23:27	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg			11/14/12 23:27	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg			11/14/12 23:27	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg			11/14/12 23:27	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg			11/14/12 23:27	1
Xylenes, Total	10	U	10	0.84	ug/Kg			11/14/12 23:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*64 - 126*		*11/14/12 23:27*	*1*
Toluene-d8 (Surr)	*88*		*71 - 125*		*11/14/12 23:27*	*1*
4-Bromofluorobenzene (Surr)	*89*		*72 - 126*		*11/14/12 23:27*	*1*

Lab Sample ID: LCS 480-90981/4
Matrix: Solid
Analysis Batch: 90981

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	50.7		ug/Kg		101	73 - 126
1,1-Dichloroethene	50.0	48.6		ug/Kg		97	59 - 125
1,2-Dichlorobenzene	50.0	48.9		ug/Kg		98	75 - 120
1,2-Dichloroethane	50.0	60.5		ug/Kg		121	77 - 122
Benzene	50.0	48.3		ug/Kg		97	79 - 127
Chlorobenzene	50.0	47.2		ug/Kg		94	76 - 124
cis-1,2-Dichloroethene	50.0	49.9		ug/Kg		100	81 - 117
Ethylbenzene	50.0	48.2		ug/Kg		96	80 - 120
Methyl tert-butyl ether	50.0	56.9		ug/Kg		114	63 - 125
Tetrachloroethene	50.0	49.8		ug/Kg		100	74 - 122
Toluene	50.0	46.4		ug/Kg		93	74 - 128
trans-1,2-Dichloroethene	50.0	48.3		ug/Kg		97	78 - 126
Trichloroethene	50.0	50.9		ug/Kg		102	77 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*64 - 126*

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

Lab Sample ID: LCS 480-90981/4
Matrix: Solid
Analysis Batch: 90981

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	85		71 - 125
4-Bromofluorobenzene (Surr)	88		72 - 126

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

Lab Sample ID: MB 480-89623/1-A
Matrix: Solid
Analysis Batch: 89921

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 89623

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	170	U	170	10	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
bis (2-chloroisopropyl) ether	170	U	170	18	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
2,4,5-Trichlorophenol	170	U	170	37	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
2,4,6-Trichlorophenol	170	U	170	11	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
2,4-Dichlorophenol	170	U	170	8.8	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
2,4-Dimethylphenol	170	U	170	45	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
2,4-Dinitrophenol	330	U	330	59	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
2,4-Dinitrotoluene	170	U	170	26	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
2,6-Dinitrotoluene	170	U	170	41	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
2-Chloronaphthalene	170	U	170	11	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
2-Chlorophenol	170	U	170	8.6	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
2-Methylnaphthalene	170	U	170	2.0	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
2-Methylphenol	170	U	170	5.2	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
2-Nitroaniline	330	U	330	54	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
2-Nitrophenol	170	U	170	7.7	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
3,3'-Dichlorobenzidine	170	U	170	150	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
3-Nitroaniline	330	U	330	39	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
4,6-Dinitro-2-methylphenol	330	U	330	58	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
4-Bromophenyl phenyl ether	170	U	170	54	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
4-Chloro-3-methylphenol	170	U	170	6.9	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
4-Chloroaniline	170	U	170	49	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
4-Chlorophenyl phenyl ether	170	U	170	3.6	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
4-Methylphenol	330	U	330	9.4	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
4-Nitroaniline	330	U	330	19	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
4-Nitrophenol	330	U	330	41	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Acenaphthene	170	U	170	2.0	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Acenaphthylene	170	U	170	1.4	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Acetophenone	170	U	170	8.6	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Anthracene	170	U	170	4.3	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Atrazine	170	U	170	7.5	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Benzaldehyde	170	U	170	18	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Benzo(a)anthracene	170	U	170	2.9	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Benzo(a)pyrene	170	U	170	4.1	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Benzo(b)fluoranthene	170	U	170	3.3	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Benzo(g,h,i)perylene	170	U	170	2.0	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Benzo(k)fluoranthene	170	U	170	1.9	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Bis(2-chloroethoxy)methane	170	U	170	9.2	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Bis(2-chloroethyl)ether	170	U	170	15	ug/Kg		11/08/12 08:16	11/09/12 11:18	1

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

Lab Sample ID: MB 480-89623/1-A
Matrix: Solid
Analysis Batch: 89921

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 89623

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	170	U	170	54	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Butyl benzyl phthalate	170	U	170	45	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Caprolactam	170	U	170	73	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Carbazole	170	U	170	1.9	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Chrysene	170	U	170	1.7	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Di-n-butyl phthalate	170	U	170	58	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Di-n-octyl phthalate	170	U	170	3.9	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Dibenz(a,h)anthracene	170	U	170	2.0	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Dibenzofuran	170	U	170	1.8	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Diethyl phthalate	170	U	170	5.1	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Dimethyl phthalate	170	U	170	4.4	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Fluoranthene	170	U	170	2.4	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Fluorene	170	U	170	3.9	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Hexachlorobenzene	170	U	170	8.4	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Hexachlorobutadiene	170	U	170	8.6	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Hexachlorocyclopentadiene	170	U	170	51	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Hexachloroethane	170	U	170	13	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Indeno(1,2,3-cd)pyrene	170	U	170	4.7	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Isophorone	170	U	170	8.4	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
N-Nitrosodi-n-propylamine	170	U	170	13	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
N-Nitrosodiphenylamine	170	U	170	9.2	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Naphthalene	170	U	170	2.8	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Nitrobenzene	170	U	170	7.5	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Pentachlorophenol	330	U	330	58	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Phenanthrene	170	U	170	3.5	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Phenol	170	U	170	18	ug/Kg		11/08/12 08:16	11/09/12 11:18	1
Pyrene	170	U	170	1.1	ug/Kg		11/08/12 08:16	11/09/12 11:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*101*		*39 - 146*	*11/08/12 08:16*	*11/09/12 11:18*	*1*
2-Fluorobiphenyl	*97*		*37 - 120*	*11/08/12 08:16*	*11/09/12 11:18*	*1*
2-Fluorophenol	*87*		*18 - 120*	*11/08/12 08:16*	*11/09/12 11:18*	*1*
Nitrobenzene-d5	*92*		*34 - 132*	*11/08/12 08:16*	*11/09/12 11:18*	*1*
p-Terphenyl-d14	*101*		*65 - 153*	*11/08/12 08:16*	*11/09/12 11:18*	*1*
Phenol-d5	*96*		*11 - 120*	*11/08/12 08:16*	*11/09/12 11:18*	*1*

Lab Sample ID: LCS 480-89623/2-A
Matrix: Solid
Analysis Batch: 89921

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 89623

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	2610	2780		ug/Kg		107	55 - 125
2-Chlorophenol	2610	2210		ug/Kg		85	38 - 120
4-Chloro-3-methylphenol	2610	2690		ug/Kg		103	49 - 125
4-Nitrophenol	2610	2950		ug/Kg		113	43 - 137
Acenaphthene	2610	2550		ug/Kg		98	53 - 120
Bis(2-ethylhexyl) phthalate	2610	2590		ug/Kg		99	61 - 133
Fluorene	2610	2590		ug/Kg		99	63 - 126

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

Lab Sample ID: LCS 480-89623/2-A
Matrix: Solid
Analysis Batch: 89921

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 89623

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachloroethane	2610	2250		ug/Kg		86	41 - 120
N-Nitrosodi-n-propylamine	2610	2430		ug/Kg		93	46 - 120
Pentachlorophenol	2610	2530		ug/Kg		97	33 - 136
Phenol	2610	2310		ug/Kg		89	36 - 120
Pyrene	2610	2530		ug/Kg		97	51 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*106*		*39 - 146*
2-Fluorobiphenyl	*95*		*37 - 120*
2-Fluorophenol	*83*		*18 - 120*
Nitrobenzene-d5	*98*		*34 - 132*
p-Terphenyl-d14	*99*		*65 - 153*
Phenol-d5	*94*		*11 - 120*

Lab Sample ID: MB 480-89888/1-A
Matrix: Solid
Analysis Batch: 89971

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 89888

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	170	U	170	10	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
bis (2-chloroisopropyl) ether	170	U	170	17	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
2,4,5-Trichlorophenol	170	U	170	36	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
2,4,6-Trichlorophenol	170	U	170	11	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
2,4-Dichlorophenol	170	U	170	8.8	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
2,4-Dimethylphenol	170	U	170	45	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
2,4-Dinitrophenol	330	U	330	58	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
2,4-Dinitrotoluene	170	U	170	26	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
2,6-Dinitrotoluene	170	U	170	41	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
2-Chloronaphthalene	170	U	170	11	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
2-Chlorophenol	170	U	170	8.5	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
2-Methylnaphthalene	170	U	170	2.0	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
2-Methylphenol	170	U	170	5.1	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
2-Nitroaniline	330	U	330	54	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
2-Nitrophenol	170	U	170	7.6	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
3,3'-Dichlorobenzidine	170	U	170	150	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
3-Nitroaniline	330	U	330	38	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
4,6-Dinitro-2-methylphenol	330	U	330	58	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
4-Bromophenyl phenyl ether	170	U	170	53	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
4-Chloro-3-methylphenol	170	U	170	6.9	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
4-Chloroaniline	170	U	170	49	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
4-Chlorophenyl phenyl ether	170	U	170	3.6	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
4-Methylphenol	330	U	330	9.3	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
4-Nitroaniline	330	U	330	19	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
4-Nitrophenol	330	U	330	40	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Acenaphthene	170	U	170	2.0	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Acenaphthylene	170	U	170	1.4	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Acetophenone	170	U	170	8.6	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Anthracene	170	U	170	4.3	ug/Kg		11/09/12 08:37	11/09/12 20:08	1

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

Lab Sample ID: MB 480-89888/1-A
Matrix: Solid
Analysis Batch: 89971

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 89888

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	170	U	170	7.4	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Benzaldehyde	170	U	170	18	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Benzo(a)anthracene	170	U	170	2.9	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Benzo(a)pyrene	170	U	170	4.0	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Benzo(b)fluoranthene	170	U	170	3.2	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Benzo(g,h,i)perylene	170	U	170	2.0	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Benzo(k)fluoranthene	170	U	170	1.8	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Bis(2-chloroethoxy)methane	170	U	170	9.1	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Bis(2-chloroethyl)ether	170	U	170	14	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Bis(2-ethylhexyl) phthalate	170	U	170	54	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Butyl benzyl phthalate	170	U	170	45	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Caprolactam	170	U	170	72	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Carbazole	170	U	170	1.9	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Chrysene	170	U	170	1.7	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Di-n-butyl phthalate	170	U	170	58	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Di-n-octyl phthalate	170	U	170	3.9	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Dibenz(a,h)anthracene	170	U	170	2.0	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Dibenzofuran	170	U	170	1.7	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Diethyl phthalate	170	U	170	5.0	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Dimethyl phthalate	170	U	170	4.4	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Fluoranthene	170	U	170	2.4	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Fluorene	170	U	170	3.8	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Hexachlorobenzene	170	U	170	8.3	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Hexachlorobutadiene	170	U	170	8.5	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Hexachlorocyclopentadiene	170	U	170	50	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Hexachloroethane	170	U	170	13	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Indeno(1,2,3-cd)pyrene	170	U	170	4.6	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Isophorone	170	U	170	8.3	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
N-Nitrosodi-n-propylamine	170	U	170	13	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
N-Nitrosodiphenylamine	170	U	170	9.1	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Naphthalene	170	U	170	2.8	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Nitrobenzene	170	U	170	7.4	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Pentachlorophenol	330	U	330	57	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Phenanthrene	170	U	170	3.5	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Phenol	170	U	170	18	ug/Kg		11/09/12 08:37	11/09/12 20:08	1
Pyrene	170	U	170	1.1	ug/Kg		11/09/12 08:37	11/09/12 20:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*110*		*39 - 146*	*11/09/12 08:37*	*11/09/12 20:08*	*1*
2-Fluorobiphenyl	*90*		*37 - 120*	*11/09/12 08:37*	*11/09/12 20:08*	*1*
2-Fluorophenol	*75*		*18 - 120*	*11/09/12 08:37*	*11/09/12 20:08*	*1*
Nitrobenzene-d5	*94*		*34 - 132*	*11/09/12 08:37*	*11/09/12 20:08*	*1*
p-Terphenyl-d14	*98*		*65 - 153*	*11/09/12 08:37*	*11/09/12 20:08*	*1*
Phenol-d5	*87*		*11 - 120*	*11/09/12 08:37*	*11/09/12 20:08*	*1*

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

Lab Sample ID: LCS 480-89888/2-A
Matrix: Solid
Analysis Batch: 89971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 89888

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	2640	3220		ug/Kg		122	55 - 125
2-Chlorophenol	2640	2630		ug/Kg		99	38 - 120
4-Chloro-3-methylphenol	2640	2500		ug/Kg		95	49 - 125
4-Nitrophenol	2640	2480		ug/Kg		94	43 - 137
Acenaphthene	2640	2940		ug/Kg		111	53 - 120
Bis(2-ethylhexyl) phthalate	2640	3290		ug/Kg		124	61 - 133
Fluorene	2640	3100		ug/Kg		117	63 - 126
Hexachloroethane	2640	2660		ug/Kg		101	41 - 120
N-Nitrosodi-n-propylamine	2640	2980		ug/Kg		113	46 - 120
Pentachlorophenol	2640	2830		ug/Kg		107	33 - 136
Phenol	2640	2670		ug/Kg		101	36 - 120
Pyrene	2640	3070		ug/Kg		116	51 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*130*		*39 - 146*
2-Fluorobiphenyl	*106*		*37 - 120*
2-Fluorophenol	*93*		*18 - 120*
Nitrobenzene-d5	*120*		*34 - 132*
p-Terphenyl-d14	*112*		*65 - 153*
Phenol-d5	*107*		*11 - 120*

Lab Sample ID: 480-27956-2 MS
Matrix: Solid
Analysis Batch: 89971

Client Sample ID: PH-8 3'
Prep Type: Total/NA
Prep Batch: 89888

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	180	U	2880	3110		ug/Kg	☼	108	55 - 125
2-Chlorophenol	180	U	2880	2480		ug/Kg	☼	86	38 - 120
4-Chloro-3-methylphenol	180	U	2880	2290		ug/Kg	☼	80	49 - 125
4-Nitrophenol	360	U	2880	2740		ug/Kg	☼	95	43 - 137
Acenaphthene	180	U	2880	2810		ug/Kg	☼	97	53 - 120
Bis(2-ethylhexyl) phthalate	180	U	2880	3470		ug/Kg	☼	120	61 - 133
Fluorene	180	U	2880	2970		ug/Kg	☼	103	63 - 126
Hexachloroethane	180	U	2880	2520		ug/Kg	☼	87	41 - 120
N-Nitrosodi-n-propylamine	180	U	2880	2860		ug/Kg	☼	99	46 - 120
Pentachlorophenol	360	U	2880	2840		ug/Kg	☼	99	33 - 136
Phenol	180	U	2880	2590		ug/Kg	☼	90	36 - 120
Pyrene	180	U	2880	3110		ug/Kg	☼	108	51 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*120*		*39 - 146*
2-Fluorobiphenyl	*92*		*37 - 120*
2-Fluorophenol	*81*		*18 - 120*
Nitrobenzene-d5	*101*		*34 - 132*
p-Terphenyl-d14	*106*		*65 - 153*
Phenol-d5	*94*		*11 - 120*

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

Lab Sample ID: 480-27956-2 MSD — **Client Sample ID: PH-8 3'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 89971 — **Prep Batch: 89888**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrotoluene	180	U	2860	3080		ug/Kg	☼	108	55 - 125	1	20
2-Chlorophenol	180	U	2860	2410		ug/Kg	☼	84	38 - 120	3	25
4-Chloro-3-methylphenol	180	U	2860	1840		ug/Kg	☼	64	49 - 125	22	27
4-Nitrophenol	360	U	2860	2540		ug/Kg	☼	89	43 - 137	7	25
Acenaphthene	180	U	2860	2690		ug/Kg	☼	94	53 - 120	4	35
Bis(2-ethylhexyl) phthalate	180	U	2860	3430		ug/Kg	☼	120	61 - 133	1	15
Fluorene	180	U	2860	2960		ug/Kg	☼	104	63 - 126	0	15
Hexachloroethane	180	U	2860	2360		ug/Kg	☼	83	41 - 120	6	46
N-Nitrosodi-n-propylamine	180	U	2860	2810		ug/Kg	☼	98	46 - 120	2	31
Pentachlorophenol	360	U	2860	2790		ug/Kg	☼	98	33 - 136	2	35
Phenol	180	U	2860	2470		ug/Kg	☼	86	36 - 120	5	35
Pyrene	180	U	2860	3090		ug/Kg	☼	108	51 - 133	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*121*		*39 - 146*
2-Fluorobiphenyl	*93*		*37 - 120*
2-Fluorophenol	*81*		*18 - 120*
Nitrobenzene-d5	*99*		*34 - 132*
p-Terphenyl-d14	*106*		*65 - 153*
Phenol-d5	*93*		*11 - 120*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 480-93049/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 93285 — **Prep Batch: 93049**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	17	U	17	5.0	mg/Kg		11/28/12 07:10	11/29/12 08:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*48 - 125*	*11/28/12 07:10*	*11/29/12 08:58*	*1*

Lab Sample ID: LCS 480-93049/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 93285 — **Prep Batch: 93049**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	49.6	46.1		mg/Kg		93	48 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*96*		*48 - 125*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 480-89399/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 89649 — **Prep Batch: 89399**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	0.40	mg/Kg		11/07/12 12:05	11/07/12 20:50	1

Lab Sample ID: LCSSRM 480-89399/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 89649 — **Prep Batch: 89399**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	186	155.3		mg/Kg		83.3	64.3 - 117.8

Lab Sample ID: MB 480-89690/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 89873 — **Prep Batch: 89690**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.51	U	0.51	0.11	mg/Kg		11/08/12 11:45	11/09/12 00:36	1
Cadmium	0.20	U	0.20	0.030	mg/Kg		11/08/12 11:45	11/09/12 00:36	1
Chromium	0.51	U	0.51	0.20	mg/Kg		11/08/12 11:45	11/09/12 00:36	1
Lead	1.0	U	1.0	0.24	mg/Kg		11/08/12 11:45	11/09/12 00:36	1
Selenium	4.1	U	4.1	0.41	mg/Kg		11/08/12 11:45	11/09/12 00:36	1
Silver	0.51	U	0.51	0.20	mg/Kg		11/08/12 11:45	11/09/12 00:36	1

Lab Sample ID: LCSSRM 480-89690/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 89873 — **Prep Batch: 89690**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	626	206.1		mg/Kg		32.9	24.8 - 43.0
Cadmium	112	98.36		mg/Kg		88.0	76.9 - 106.3
Chromium	350	111.4		mg/Kg		31.8	23.6 - 43.9
Lead	75.5	78.20		mg/Kg		103.6	69.7 - 133.4
Selenium	140	125.5		mg/Kg		89.8	60.1 - 120.7
Silver	45.0	39.50		mg/Kg		87.8	62.1 - 125.7

Lab Sample ID: MB 480-89949/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 90300 — **Prep Batch: 89949**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.1	U	2.1	0.43	mg/Kg		11/09/12 13:45	11/10/12 18:25	1
Barium	0.53	U	0.53	0.12	mg/Kg		11/09/12 13:45	11/10/12 18:25	1
Cadmium	0.21	U	0.21	0.032	mg/Kg		11/09/12 13:45	11/10/12 18:25	1
Chromium	0.53	U	0.53	0.21	mg/Kg		11/09/12 13:45	11/10/12 18:25	1
Lead	1.1	U	1.1	0.26	mg/Kg		11/09/12 13:45	11/10/12 18:25	1
Selenium	4.3	U	4.3	0.43	mg/Kg		11/09/12 13:45	11/10/12 18:25	1
Silver	0.53	U	0.53	0.21	mg/Kg		11/09/12 13:45	11/10/12 18:25	1

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

Lab Sample ID: LCSSRM 480-89949/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 90300 — **Prep Batch: 89949**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	185	164.7		mg/Kg		89.2	64.3 - 117.8
Barium	627	201.8		mg/Kg		32.2	24.8 - 43.0
Cadmium	112	98.62		mg/Kg		88.2	76.9 - 106.3
Chromium	350	112.5		mg/Kg		32.1	23.6 - 43.9
Lead	75.6	79.14		mg/Kg		104.7	69.7 - 133.4
Selenium	140	122.7		mg/Kg		87.8	60.1 - 120.7
Silver	45.0	40.88		mg/Kg		90.8	62.1 - 125.7

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 480-89618/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 89720 — **Prep Batch: 89618**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	U	0.020	0.0083	mg/Kg		11/08/12 08:45	11/08/12 11:35	1

Lab Sample ID: LCSSRM 480-89618/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 89720 — **Prep Batch: 89618**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	3.77	4.13		mg/Kg		109.5	71.6 - 128.4

Lab Sample ID: MB 480-89620/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 89720 — **Prep Batch: 89620**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	U	0.020	0.0083	mg/Kg		11/08/12 08:45	11/08/12 12:11	1

Lab Sample ID: LCSSRM 480-89620/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 89720 — **Prep Batch: 89620**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	3.77	3.20		mg/Kg		84.8	71.6 - 128.4

QC Association Summary

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

GC/MS VOA

Analysis Batch: 90287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-6	PH-1 1'	Total/NA	Solid	8260B	90327
480-27826-7	PH-2 1'	Total/NA	Solid	8260B	90327
480-27826-8	PH-3 0-2.5'	Total/NA	Solid	8260B	90327
480-27956-1	PH-7 8.5'	Total/NA	Solid	8260B	90327
480-27956-2	PH-8 3'	Total/NA	Solid	8260B	90327
480-27956-3	PH-9 7'	Total/NA	Solid	8260B	90327
480-27956-4	PH-11 5.5'	Total/NA	Solid	8260B	90327
480-27956-9	PH-16 1'	Total/NA	Solid	8260B	90327
LCS 480-90287/29	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-90287/6	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 90327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-6	PH-1 1'	Total/NA	Solid	5035	
480-27826-7	PH-2 1'	Total/NA	Solid	5035	
480-27826-8	PH-3 0-2.5'	Total/NA	Solid	5035	
480-27956-1	PH-7 8.5'	Total/NA	Solid	5035	
480-27956-2	PH-8 3'	Total/NA	Solid	5035	
480-27956-3	PH-9 7'	Total/NA	Solid	5035	
480-27956-4	PH-11 5.5'	Total/NA	Solid	5035	
480-27956-9	PH-16 1'	Total/NA	Solid	5035	

Analysis Batch: 90703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-9	PH-4 10.5'	Total/NA	Solid	8260B	90718
480-27826-10	PH-5 12'	Total/NA	Solid	8260B	90718
LCS 480-90703/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-90703/27	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 90718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-9	PH-4 10.5'	Total/NA	Solid	5035	
480-27826-10	PH-5 12'	Total/NA	Solid	5035	

Prep Batch: 90821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-11	PH-6 9'	Total/NA	Solid	5035	

Analysis Batch: 90981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-11	PH-6 9'	Total/NA	Solid	8260B	90821
LCS 480-90981/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-90981/5	Method Blank	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 89623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-6	PH-1 1'	Total/NA	Solid	3550B	
480-27826-7	PH-2 1'	Total/NA	Solid	3550B	

GC/MS Semi VOA (Continued)

Prep Batch: 89623 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-8	PH-3 0-2.5'	Total/NA	Solid	3550B	
480-27826-9	PH-4 10.5'	Total/NA	Solid	3550B	
480-27826-10	PH-5 12'	Total/NA	Solid	3550B	
480-27826-11	PH-6 9'	Total/NA	Solid	3550B	
LCS 480-89623/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 480-89623/1-A	Method Blank	Total/NA	Solid	3550B	

Prep Batch: 89888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27956-1	PH-7 8.5'	Total/NA	Solid	3550B	
480-27956-2	PH-8 3'	Total/NA	Solid	3550B	
480-27956-2 MS	PH-8 3'	Total/NA	Solid	3550B	
480-27956-2 MSD	PH-8 3'	Total/NA	Solid	3550B	
480-27956-3	PH-9 7'	Total/NA	Solid	3550B	
480-27956-4	PH-11 5.5'	Total/NA	Solid	3550B	
480-27956-9	PH-16 1'	Total/NA	Solid	3550B	
LCS 480-89888/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 480-89888/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 89921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-6	PH-1 1'	Total/NA	Solid	8270C	89623
480-27826-7	PH-2 1'	Total/NA	Solid	8270C	89623
480-27826-8	PH-3 0-2.5'	Total/NA	Solid	8270C	89623
480-27826-9	PH-4 10.5'	Total/NA	Solid	8270C	89623
480-27826-10	PH-5 12'	Total/NA	Solid	8270C	89623
480-27826-11	PH-6 9'	Total/NA	Solid	8270C	89623
LCS 480-89623/2-A	Lab Control Sample	Total/NA	Solid	8270C	89623
MB 480-89623/1-A	Method Blank	Total/NA	Solid	8270C	89623

Analysis Batch: 89971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27956-1	PH-7 8.5'	Total/NA	Solid	8270C	89888
480-27956-2	PH-8 3'	Total/NA	Solid	8270C	89888
480-27956-2 MS	PH-8 3'	Total/NA	Solid	8270C	89888
480-27956-2 MSD	PH-8 3'	Total/NA	Solid	8270C	89888
480-27956-3	PH-9 7'	Total/NA	Solid	8270C	89888
480-27956-4	PH-11 5.5'	Total/NA	Solid	8270C	89888
480-27956-9	PH-16 1'	Total/NA	Solid	8270C	89888
LCS 480-89888/2-A	Lab Control Sample	Total/NA	Solid	8270C	89888
MB 480-89888/1-A	Method Blank	Total/NA	Solid	8270C	89888

GC Semi VOA

Prep Batch: 93049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-8	PH-3 0-2.5'	Total/NA	Solid	3550B	
480-27956-3	PH-9 7'	Total/NA	Solid	3550B	
480-27956-9	PH-16 1'	Total/NA	Solid	3550B	
LCS 480-93049/2-A	Lab Control Sample	Total/NA	Solid	3550B	

GC Semi VOA (Continued)

Prep Batch: 93049 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-93049/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 93285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-8	PH-3 0-2.5'	Total/NA	Solid	8015B	93049
480-27956-3	PH-9 7'	Total/NA	Solid	8015B	93049
480-27956-9	PH-16 1'	Total/NA	Solid	8015B	93049
LCS 480-93049/2-A	Lab Control Sample	Total/NA	Solid	8015B	93049
MB 480-93049/1-A	Method Blank	Total/NA	Solid	8015B	93049

Metals

Prep Batch: 89399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-6	PH-1 1'	Total/NA	Solid	3050B	
480-27826-7	PH-2 1'	Total/NA	Solid	3050B	
480-27826-8	PH-3 0-2.5'	Total/NA	Solid	3050B	
480-27826-9	PH-4 10.5'	Total/NA	Solid	3050B	
480-27826-10	PH-5 12'	Total/NA	Solid	3050B	
480-27826-11	PH-6 9'	Total/NA	Solid	3050B	
LCSSRM 480-89399/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-89399/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 89618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27956-1	PH-7 8.5'	Total/NA	Solid	7471A	
480-27956-2	PH-8 3'	Total/NA	Solid	7471A	
480-27956-3	PH-9 7'	Total/NA	Solid	7471A	
480-27956-4	PH-11 5.5'	Total/NA	Solid	7471A	
480-27956-5	PH-12 8'	Total/NA	Solid	7471A	
480-27956-6	PH-13 10'	Total/NA	Solid	7471A	
480-27956-7	PH-14 6'	Total/NA	Solid	7471A	
480-27956-8	PH-15 7.5'	Total/NA	Solid	7471A	
480-27956-9	PH-16 1'	Total/NA	Solid	7471A	
LCSSRM 480-89618/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 480-89618/1-A	Method Blank	Total/NA	Solid	7471A	

Prep Batch: 89620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-6	PH-1 1'	Total/NA	Solid	7471A	
480-27826-7	PH-2 1'	Total/NA	Solid	7471A	
480-27826-8	PH-3 0-2.5'	Total/NA	Solid	7471A	
480-27826-9	PH-4 10.5'	Total/NA	Solid	7471A	
480-27826-10	PH-5 12'	Total/NA	Solid	7471A	
480-27826-11	PH-6 9'	Total/NA	Solid	7471A	
LCSSRM 480-89620/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 480-89620/1-A	Method Blank	Total/NA	Solid	7471A	

Metals (Continued)

Analysis Batch: 89649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-6	PH-1 1'	Total/NA	Solid	6010B	89399
480-27826-7	PH-2 1'	Total/NA	Solid	6010B	89399
480-27826-8	PH-3 0-2.5'	Total/NA	Solid	6010B	89399
480-27826-9	PH-4 10.5'	Total/NA	Solid	6010B	89399
480-27826-10	PH-5 12'	Total/NA	Solid	6010B	89399
480-27826-11	PH-6 9'	Total/NA	Solid	6010B	89399
LCSSRM 480-89399/2-A	Lab Control Sample	Total/NA	Solid	6010B	89399
MB 480-89399/1-A	Method Blank	Total/NA	Solid	6010B	89399

Prep Batch: 89690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-6	PH-1 1'	Total/NA	Solid	3050B	
480-27826-7	PH-2 1'	Total/NA	Solid	3050B	
480-27826-8	PH-3 0-2.5'	Total/NA	Solid	3050B	
480-27826-9	PH-4 10.5'	Total/NA	Solid	3050B	
480-27826-10	PH-5 12'	Total/NA	Solid	3050B	
480-27826-11	PH-6 9'	Total/NA	Solid	3050B	
LCSSRM 480-89690/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-89690/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 89720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-6	PH-1 1'	Total/NA	Solid	7471A	89620
480-27826-7	PH-2 1'	Total/NA	Solid	7471A	89620
480-27826-8	PH-3 0-2.5'	Total/NA	Solid	7471A	89620
480-27826-9	PH-4 10.5'	Total/NA	Solid	7471A	89620
480-27826-10	PH-5 12'	Total/NA	Solid	7471A	89620
480-27826-11	PH-6 9'	Total/NA	Solid	7471A	89620
480-27956-1	PH-7 8.5'	Total/NA	Solid	7471A	89618
480-27956-2	PH-8 3'	Total/NA	Solid	7471A	89618
480-27956-3	PH-9 7'	Total/NA	Solid	7471A	89618
480-27956-4	PH-11 5.5'	Total/NA	Solid	7471A	89618
480-27956-5	PH-12 8'	Total/NA	Solid	7471A	89618
480-27956-6	PH-13 10'	Total/NA	Solid	7471A	89618
480-27956-7	PH-14 6'	Total/NA	Solid	7471A	89618
480-27956-8	PH-15 7.5'	Total/NA	Solid	7471A	89618
480-27956-9	PH-16 1'	Total/NA	Solid	7471A	89618
LCSSRM 480-89618/2-A	Lab Control Sample	Total/NA	Solid	7471A	89618
LCSSRM 480-89620/2-A	Lab Control Sample	Total/NA	Solid	7471A	89620
MB 480-89618/1-A	Method Blank	Total/NA	Solid	7471A	89618
MB 480-89620/1-A	Method Blank	Total/NA	Solid	7471A	89620

Analysis Batch: 89873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-6	PH-1 1'	Total/NA	Solid	6010B	89690
480-27826-7	PH-2 1'	Total/NA	Solid	6010B	89690
480-27826-8	PH-3 0-2.5'	Total/NA	Solid	6010B	89690
480-27826-9	PH-4 10.5'	Total/NA	Solid	6010B	89690
480-27826-10	PH-5 12'	Total/NA	Solid	6010B	89690
480-27826-11	PH-6 9'	Total/NA	Solid	6010B	89690
LCSSRM 480-89690/2-A	Lab Control Sample	Total/NA	Solid	6010B	89690

Metals (Continued)

Analysis Batch: 89873 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-89690/1-A	Method Blank	Total/NA	Solid	6010B	89690

Prep Batch: 89949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27956-1	PH-7 8.5'	Total/NA	Solid	3050B	
480-27956-2	PH-8 3'	Total/NA	Solid	3050B	
480-27956-3	PH-9 7'	Total/NA	Solid	3050B	
480-27956-4	PH-11 5.5'	Total/NA	Solid	3050B	
480-27956-5	PH-12 8'	Total/NA	Solid	3050B	
480-27956-6	PH-13 10'	Total/NA	Solid	3050B	
480-27956-7	PH-14 6'	Total/NA	Solid	3050B	
480-27956-8	PH-15 7.5'	Total/NA	Solid	3050B	
480-27956-9	PH-16 1'	Total/NA	Solid	3050B	
LCSSRM 480-89949/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-89949/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 90300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27956-1	PH-7 8.5'	Total/NA	Solid	6010B	89949
480-27956-2	PH-8 3'	Total/NA	Solid	6010B	89949
480-27956-3	PH-9 7'	Total/NA	Solid	6010B	89949
480-27956-4	PH-11 5.5'	Total/NA	Solid	6010B	89949
480-27956-5	PH-12 8'	Total/NA	Solid	6010B	89949
480-27956-6	PH-13 10'	Total/NA	Solid	6010B	89949
480-27956-7	PH-14 6'	Total/NA	Solid	6010B	89949
480-27956-8	PH-15 7.5'	Total/NA	Solid	6010B	89949
480-27956-9	PH-16 1'	Total/NA	Solid	6010B	89949
LCSSRM 480-89949/2-A	Lab Control Sample	Total/NA	Solid	6010B	89949
MB 480-89949/1-A	Method Blank	Total/NA	Solid	6010B	89949

General Chemistry

Analysis Batch: 89510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-6	PH-1 1'	Total/NA	Solid	Moisture	
480-27826-7	PH-2 1'	Total/NA	Solid	Moisture	
480-27826-8	PH-3 0-2.5'	Total/NA	Solid	Moisture	
480-27826-9	PH-4 10.5'	Total/NA	Solid	Moisture	
480-27826-10	PH-5 12'	Total/NA	Solid	Moisture	
480-27826-11	PH-6 9'	Total/NA	Solid	Moisture	

Analysis Batch: 89794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27956-1	PH-7 8.5'	Total/NA	Solid	Moisture	
480-27956-2	PH-8 3'	Total/NA	Solid	Moisture	
480-27956-3	PH-9 7'	Total/NA	Solid	Moisture	
480-27956-4	PH-11 5.5'	Total/NA	Solid	Moisture	
480-27956-5	PH-12 8'	Total/NA	Solid	Moisture	
480-27956-6	PH-13 10'	Total/NA	Solid	Moisture	
480-27956-7	PH-14 6'	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 89794 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27956-8	PH-15 7.5'	Total/NA	Solid	Moisture	
480-27956-9	PH-16 1'	Total/NA	Solid	Moisture	

Lab Chronicle

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-1 1'

Lab Sample ID: 480-27826-6
Date Collected: 11/05/12 10:35
Matrix: Solid
Date Received: 11/06/12 08:15
Percent Solids: 76.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			90327	11/12/12 10:12	JMB	TAL BUF
Total/NA	Analysis	8260B		1	90287	11/12/12 19:48	CDC	TAL BUF
Total/NA	Prep	3550B			89623	11/08/12 08:16	TR	TAL BUF
Total/NA	Analysis	8270C		1	89921	11/09/12 15:31	HTL	TAL BUF
Total/NA	Prep	3050B			89399	11/07/12 12:05	JM	TAL BUF
Total/NA	Analysis	6010B		1	89649	11/07/12 21:08	AH	TAL BUF
Total/NA	Prep	7471A			89620	11/08/12 08:45	JRK	TAL BUF
Total/NA	Analysis	7471A		1	89720	11/08/12 12:34	JRK	TAL BUF
Total/NA	Prep	3050B			89690	11/08/12 11:45	JM	TAL BUF
Total/NA	Analysis	6010B		1	89873	11/09/12 00:57	LH	TAL BUF
Total/NA	Analysis	Moisture		1	89510	11/07/12 15:32	MD	TAL BUF

Client Sample ID: PH-2 1'

Lab Sample ID: 480-27826-7
Date Collected: 11/05/12 11:55
Matrix: Solid
Date Received: 11/06/12 08:15
Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			90327	11/12/12 10:12	JMB	TAL BUF
Total/NA	Analysis	8260B		1	90287	11/12/12 20:13	CDC	TAL BUF
Total/NA	Prep	3550B			89623	11/08/12 08:16	TR	TAL BUF
Total/NA	Analysis	8270C		5	89921	11/09/12 15:57	HTL	TAL BUF
Total/NA	Prep	3050B			89399	11/07/12 12:05	JM	TAL BUF
Total/NA	Analysis	6010B		1	89649	11/07/12 21:10	AH	TAL BUF
Total/NA	Prep	7471A			89620	11/08/12 08:45	JRK	TAL BUF
Total/NA	Analysis	7471A		1	89720	11/08/12 12:36	JRK	TAL BUF
Total/NA	Prep	3050B			89690	11/08/12 11:45	JM	TAL BUF
Total/NA	Analysis	6010B		1	89873	11/09/12 00:59	LH	TAL BUF
Total/NA	Analysis	Moisture		1	89510	11/07/12 15:32	MD	TAL BUF

Client Sample ID: PH-3 0-2.5'

Lab Sample ID: 480-27826-8
Date Collected: 11/05/12 13:05
Matrix: Solid
Date Received: 11/06/12 08:15
Percent Solids: 66.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			90327	11/12/12 10:12	JMB	TAL BUF
Total/NA	Analysis	8260B		1	90287	11/12/12 20:39	CDC	TAL BUF
Total/NA	Prep	3550B			89623	11/08/12 08:16	TR	TAL BUF
Total/NA	Analysis	8270C		50	89921	11/09/12 16:22	HTL	TAL BUF
Total/NA	Prep	3550B			93049	11/28/12 07:10	TR	TAL BUF
Total/NA	Analysis	8015B		1	93285	11/29/12 11:12	CD	TAL BUF
Total/NA	Prep	3050B			89399	11/07/12 12:05	JM	TAL BUF
Total/NA	Analysis	6010B		1	89649	11/07/12 21:12	AH	TAL BUF
Total/NA	Prep	7471A			89620	11/08/12 08:45	JRK	TAL BUF

Lab Chronicle

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-3 0-2.5'

Lab Sample ID: 480-27826-8
Date Collected: 11/05/12 13:05
Matrix: Solid
Date Received: 11/06/12 08:15
Percent Solids: 66.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471A		1	89720	11/08/12 12:42	JRK	TAL BUF
Total/NA	Prep	3050B			89690	11/08/12 11:45	JM	TAL BUF
Total/NA	Analysis	6010B		1	89873	11/09/12 01:01	LH	TAL BUF
Total/NA	Analysis	Moisture		1	89510	11/07/12 15:32	MD	TAL BUF

Client Sample ID: PH-4 10.5'

Lab Sample ID: 480-27826-9
Date Collected: 11/05/12 14:15
Matrix: Solid
Date Received: 11/06/12 08:15
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			90718	11/13/12 23:52	CDC	TAL BUF
Total/NA	Analysis	8260B		1	90703	11/14/12 01:00	JMB	TAL BUF
Total/NA	Prep	3550B			89623	11/08/12 08:16	TR	TAL BUF
Total/NA	Analysis	8270C		1	89921	11/09/12 16:48	HTL	TAL BUF
Total/NA	Prep	3050B			89399	11/07/12 12:05	JM	TAL BUF
Total/NA	Analysis	6010B		1	89649	11/07/12 21:14	AH	TAL BUF
Total/NA	Prep	7471A			89620	11/08/12 08:45	JRK	TAL BUF
Total/NA	Analysis	7471A		1	89720	11/08/12 12:44	JRK	TAL BUF
Total/NA	Prep	3050B			89690	11/08/12 11:45	JM	TAL BUF
Total/NA	Analysis	6010B		1	89873	11/09/12 01:04	LH	TAL BUF
Total/NA	Analysis	Moisture		1	89510	11/07/12 15:32	MD	TAL BUF

Client Sample ID: PH-5 12'

Lab Sample ID: 480-27826-10
Date Collected: 11/05/12 15:30
Matrix: Solid
Date Received: 11/06/12 08:15
Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			90718	11/13/12 23:52	CDC	TAL BUF
Total/NA	Analysis	8260B		1	90703	11/14/12 01:26	JMB	TAL BUF
Total/NA	Prep	3550B			89623	11/08/12 08:16	TR	TAL BUF
Total/NA	Analysis	8270C		1	89921	11/09/12 17:13	HTL	TAL BUF
Total/NA	Prep	3050B			89399	11/07/12 12:05	JM	TAL BUF
Total/NA	Analysis	6010B		1	89649	11/07/12 21:16	AH	TAL BUF
Total/NA	Prep	7471A			89620	11/08/12 08:45	JRK	TAL BUF
Total/NA	Analysis	7471A		1	89720	11/08/12 12:46	JRK	TAL BUF
Total/NA	Prep	3050B			89690	11/08/12 11:45	JM	TAL BUF
Total/NA	Analysis	6010B		1	89873	11/09/12 01:06	LH	TAL BUF
Total/NA	Analysis	Moisture		1	89510	11/07/12 15:32	MD	TAL BUF

Lab Chronicle

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-6 9'

Lab Sample ID: 480-27826-11

Date Collected: 11/05/12 16:20
Date Received: 11/06/12 08:15

Matrix: Solid
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			90821	11/14/12 10:43	JMB	TAL BUF
Total/NA	Analysis	8260B		1	90981	11/15/12 00:29	JMB	TAL BUF
Total/NA	Prep	3550B			89623	11/08/12 08:16	TR	TAL BUF
Total/NA	Analysis	8270C		1	89921	11/09/12 17:39	HTL	TAL BUF
Total/NA	Prep	3050B			89399	11/07/12 12:05	JM	TAL BUF
Total/NA	Analysis	6010B		1	89649	11/07/12 21:19	AH	TAL BUF
Total/NA	Prep	7471A			89620	11/08/12 08:45	JRK	TAL BUF
Total/NA	Analysis	7471A		1	89720	11/08/12 12:48	JRK	TAL BUF
Total/NA	Prep	3050B			89690	11/08/12 11:45	JM	TAL BUF
Total/NA	Analysis	6010B		1	89873	11/09/12 01:13	LH	TAL BUF
Total/NA	Analysis	Moisture		1	89510	11/07/12 15:32	MD	TAL BUF

Client Sample ID: PH-7 8.5'

Lab Sample ID: 480-27956-1

Date Collected: 11/06/12 08:00
Date Received: 11/07/12 09:00

Matrix: Solid
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			90327	11/12/12 10:12	JMB	TAL BUF
Total/NA	Analysis	8260B		1	90287	11/12/12 14:42	CDC	TAL BUF
Total/NA	Prep	3550B			89888	11/09/12 08:37	CM	TAL BUF
Total/NA	Analysis	8270C		1	89971	11/09/12 21:41	RMM	TAL BUF
Total/NA	Prep	7471A			89618	11/08/12 08:45	JRK	TAL BUF
Total/NA	Analysis	7471A		1	89720	11/08/12 11:52	JRK	TAL BUF
Total/NA	Prep	3050B			89949	11/09/12 13:45	SS	TAL BUF
Total/NA	Analysis	6010B		1	90300	11/10/12 18:29	LH	TAL BUF
Total/NA	Analysis	Moisture		1	89794	11/08/12 17:35	MD	TAL BUF

Client Sample ID: PH-8 3'

Lab Sample ID: 480-27956-2

Date Collected: 11/06/12 09:30
Date Received: 11/07/12 09:00

Matrix: Solid
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			90327	11/12/12 10:12	JMB	TAL BUF
Total/NA	Analysis	8260B		1	90287	11/12/12 15:08	CDC	TAL BUF
Total/NA	Prep	3550B			89888	11/09/12 08:37	CM	TAL BUF
Total/NA	Analysis	8270C		1	89971	11/09/12 22:04	RMM	TAL BUF
Total/NA	Prep	7471A			89618	11/08/12 08:45	JRK	TAL BUF
Total/NA	Analysis	7471A		1	89720	11/08/12 11:57	JRK	TAL BUF
Total/NA	Prep	3050B			89949	11/09/12 13:45	SS	TAL BUF
Total/NA	Analysis	6010B		1	90300	11/10/12 18:32	LH	TAL BUF
Total/NA	Analysis	Moisture		1	89794	11/08/12 17:35	MD	TAL BUF

Lab Chronicle

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-9 7'

Lab Sample ID: 480-27956-3
Date Collected: 11/06/12 10:30
Matrix: Solid
Date Received: 11/07/12 09:00
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			90327	11/12/12 10:12	JMB	TAL BUF
Total/NA	Analysis	8260B		1	90287	11/12/12 15:34	CDC	TAL BUF
Total/NA	Prep	3550B			89888	11/09/12 08:37	CM	TAL BUF
Total/NA	Analysis	8270C		1	89971	11/09/12 22:27	RMM	TAL BUF
Total/NA	Prep	3550B			93049	11/28/12 07:10	TR	TAL BUF
Total/NA	Analysis	8015B		5	93285	11/29/12 23:31	CD	TAL BUF
Total/NA	Prep	7471A			89618	11/08/12 08:45	JRK	TAL BUF
Total/NA	Analysis	7471A		1	89720	11/08/12 11:59	JRK	TAL BUF
Total/NA	Prep	3050B			89949	11/09/12 13:45	SS	TAL BUF
Total/NA	Analysis	6010B		1	90300	11/10/12 18:34	LH	TAL BUF
Total/NA	Analysis	Moisture		1	89794	11/08/12 17:35	MD	TAL BUF

Client Sample ID: PH-11 5.5'

Lab Sample ID: 480-27956-4
Date Collected: 11/06/12 11:30
Matrix: Solid
Date Received: 11/07/12 09:00
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			90327	11/12/12 10:12	JMB	TAL BUF
Total/NA	Analysis	8260B		1	90287	11/12/12 15:59	CDC	TAL BUF
Total/NA	Prep	3550B			89888	11/09/12 08:37	CM	TAL BUF
Total/NA	Analysis	8270C		1	89971	11/09/12 22:51	RMM	TAL BUF
Total/NA	Prep	7471A			89618	11/08/12 08:45	JRK	TAL BUF
Total/NA	Analysis	7471A		1	89720	11/08/12 12:01	JRK	TAL BUF
Total/NA	Prep	3050B			89949	11/09/12 13:45	SS	TAL BUF
Total/NA	Analysis	6010B		1	90300	11/10/12 18:36	LH	TAL BUF
Total/NA	Analysis	Moisture		1	89794	11/08/12 17:35	MD	TAL BUF

Client Sample ID: PH-12 8'

Lab Sample ID: 480-27956-5
Date Collected: 11/06/12 12:50
Matrix: Solid
Date Received: 11/07/12 09:00
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			89618	11/08/12 08:45	JRK	TAL BUF
Total/NA	Analysis	7471A		1	89720	11/08/12 12:02	JRK	TAL BUF
Total/NA	Prep	3050B			89949	11/09/12 13:45	SS	TAL BUF
Total/NA	Analysis	6010B		1	90300	11/10/12 18:38	LH	TAL BUF
Total/NA	Analysis	Moisture		1	89794	11/08/12 17:35	MD	TAL BUF

Lab Chronicle

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-13 10'

Lab Sample ID: 480-27956-6

Date Collected: 11/06/12 13:25
Matrix: Solid
Date Received: 11/07/12 09:00
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			89618	11/08/12 08:45	JRK	TAL BUF
Total/NA	Analysis	7471A		1	89720	11/08/12 12:04	JRK	TAL BUF
Total/NA	Prep	3050B			89949	11/09/12 13:45	SS	TAL BUF
Total/NA	Analysis	6010B		1	90300	11/10/12 18:41	LH	TAL BUF
Total/NA	Analysis	Moisture		1	89794	11/08/12 17:35	MD	TAL BUF

Client Sample ID: PH-14 6'

Lab Sample ID: 480-27956-7

Date Collected: 11/06/12 14:00
Matrix: Solid
Date Received: 11/07/12 09:00
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			89618	11/08/12 08:45	JRK	TAL BUF
Total/NA	Analysis	7471A		1	89720	11/08/12 12:06	JRK	TAL BUF
Total/NA	Prep	3050B			89949	11/09/12 13:45	SS	TAL BUF
Total/NA	Analysis	6010B		1	90300	11/10/12 18:48	LH	TAL BUF
Total/NA	Analysis	Moisture		1	89794	11/08/12 17:35	MD	TAL BUF

Client Sample ID: PH-15 7.5'

Lab Sample ID: 480-27956-8

Date Collected: 11/06/12 14:40
Matrix: Solid
Date Received: 11/07/12 09:00
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			89618	11/08/12 08:45	JRK	TAL BUF
Total/NA	Analysis	7471A		1	89720	11/08/12 12:08	JRK	TAL BUF
Total/NA	Prep	3050B			89949	11/09/12 13:45	SS	TAL BUF
Total/NA	Analysis	6010B		1	90300	11/10/12 18:51	LH	TAL BUF
Total/NA	Analysis	Moisture		1	89794	11/08/12 17:35	MD	TAL BUF

Client Sample ID: PH-16 1'

Lab Sample ID: 480-27956-9

Date Collected: 11/06/12 15:50
Matrix: Solid
Date Received: 11/07/12 09:00
Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			90327	11/12/12 10:12	JMB	TAL BUF
Total/NA	Analysis	8260B		1	90287	11/12/12 16:25	CDC	TAL BUF
Total/NA	Prep	3550B			89888	11/09/12 08:37	CM	TAL BUF
Total/NA	Analysis	8270C		1	89971	11/09/12 23:15	RMM	TAL BUF
Total/NA	Prep	3550B			93049	11/28/12 07:10	TR	TAL BUF
Total/NA	Analysis	8015B		10	93285	11/30/12 00:04	CD	TAL BUF
Total/NA	Prep	7471A			89618	11/08/12 08:45	JRK	TAL BUF
Total/NA	Analysis	7471A		1	89720	11/08/12 12:09	JRK	TAL BUF
Total/NA	Prep	3050B			89949	11/09/12 13:45	SS	TAL BUF
Total/NA	Analysis	6010B		1	90300	11/10/12 18:53	LH	TAL BUF

Lab Chronicle

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Client Sample ID: PH-16 1'

Date Collected: 11/06/12 15:50
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	89794	11/08/12 17:35	MD	TAL BUF

Laboratory References:

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

Certification Summary

Client: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

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	NELAC	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAC	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	NELAC	5	200003	09-30-13
Iowa	State Program	7	374	03-01-13
Kansas	NELAC	7	E-10187	01-31-13
Kentucky	State Program	4	90029	12-31-12
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAC	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-12
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	NELAC	5	036-999-337	12-31-12
New Hampshire	NELAC	1	2973	09-11-13
New Hampshire	NELAC	1	2337	11-17-13
New Jersey	NELAC	2	NY455	06-30-13
New York	NELAC	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAC	10	NY200003	06-09-13
Pennsylvania	NELAC	3	68-00281	07-31-13
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAC	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAC	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: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8015B	Diesel Range Organics (DRO) (GC)	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: TTL, Inc.
Project/Site: Magna Site - Soil

TestAmerica Job ID: 480-27826-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-27826-6	PH-1 1'	Solid	11/05/12 10:35	11/06/12 08:15
480-27826-7	PH-2 1'	Solid	11/05/12 11:55	11/06/12 08:15
480-27826-8	PH-3 0-2.5'	Solid	11/05/12 13:05	11/06/12 08:15
480-27826-9	PH-4 10.5'	Solid	11/05/12 14:15	11/06/12 08:15
480-27826-10	PH-5 12'	Solid	11/05/12 15:30	11/06/12 08:15
480-27826-11	PH-6 9'	Solid	11/05/12 16:20	11/06/12 08:15
480-27956-1	PH-7 8.5'	Solid	11/06/12 08:00	11/07/12 09:00
480-27956-2	PH-8 3'	Solid	11/06/12 09:30	11/07/12 09:00
480-27956-3	PH-9 7'	Solid	11/06/12 10:30	11/07/12 09:00
480-27956-4	PH-11 5.5'	Solid	11/06/12 11:30	11/07/12 09:00
480-27956-5	PH-12 8'	Solid	11/06/12 12:50	11/07/12 09:00
480-27956-6	PH-13 10'	Solid	11/06/12 13:25	11/07/12 09:00
480-27956-7	PH-14 6'	Solid	11/06/12 14:00	11/07/12 09:00
480-27956-8	PH-15 7.5'	Solid	11/06/12 14:40	11/07/12 09:00
480-27956-9	PH-16 1'	Solid	11/06/12 15:50	11/07/12 09:00

Login Sample Receipt Checklist

Client: TTL, Inc.

Job Number: 480-27826-2

Login Number: 27826
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.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ttl
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	

Login Sample Receipt Checklist

Client: TTL, Inc.

Job Number: 480-27826-2

Login Number: 27956
List Number: 1
Creator: Robitaille, Zach L

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.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	TTL
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	

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: SHM	Lab PM: Schove, John	Carrier Tracking No(s):	COC No: 480-28825-7536.1
Client Contact: Ms. Shannon McDonald	Phone: 334-850-1487	E-Mail: john.schove@testamericainc.com		Page: Page 1 of 12
Company: TTL, Inc.				Job #: 600212-024
Address: 4154 Lomac Street	Due Date Requested:			
City: Montgomery	TAT Requested (days):			
State, Zip: AL, 36106				
Phone: 334-244-0766(Tel)	PO #: Purchase Order Requested			
Email: smcdonald@ttlusa.com	WO #:			
Project Name: TTL, Inc. - Syracuse, NY Sites	Project #: 48006637			
Site: Magna	SSOW#:			

Analysis Requested

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, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	6010B, 7471A	8260B - TCL list OLM04.2	6010B, 7470A								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	A	D									
PH-1 1'	11/5/12	10:35	G	Solid	N		✓	✓	✓											
PH-2 1'	↓	11:55	G	Solid			✓	✓	✓											
PH-3 0-2.5'		1:05	C	Solid			✓	✓	✓											
PH-4 10.5'		2:15	G	Solid			✓	✓	✓											
PH-5 12'		3:30	G	Solid			✓	✓	✓											
PH-6 9'		4:20	G	Solid			✓	✓	✓											
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																

Possible Hazard Identification
☑ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Shannon McDonald	11/5/12 17:00	TTL	[illegible]	11-5-12 17:00	TA
R English	11-05-12 19:00	S&R	[illegible]	11/06/12 0815	TA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.0, 2.7, 2.5 HI

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information
Client Contact: Ms. Shannon McDonald
Company: TTL, Inc.
Address: 4154 Lomac Street
City: Montgomery
State, Zip: AL, 36106
Phone: 334-244-0766(Tel)
Email: smcdonald@ttlusa.com
Project Name: TTL, Inc. - Syracuse, NY Sites
Site: Magna

Sampler: SHM
Phone: 334-850-1487
Due Date Requested:
TAT Requested (days):
PO #: Purchase Order Requested
WO #:
Project #: 48006637
SSOW#:

Lab PM: Schove, John
E-Mail: john.schove@testamericainc.com
Carrier Tracking No(s):
COC No: 480-28825-7536.2
Page: Page 2 of 12
Job #: 600212-024

Analysis Requested

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
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	6010B, 7471A	8260B - TCL list OLM04.2	6010B, 7470A	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	A	D		
PH-7 8.5'	11/6/12	8:00a	G	Solid			✓	✓	✓				
PH-8 3'		9:30a		Solid			✓	✓	✓				
PH-9 7'		10:30a		Solid			✓	✓	✓				
PH-11 5.5'		11:30a		Solid			✓	✓	✓				
PH-12 8'		12:50p		Solid	SHM		✓	✓	✓				
PH-13 10'		1:25p		Solid	SHM		✓	✓	✓				
PH-14 6'		2:00p		Solid	SHM		✓	✓	✓				
PH-15 7.5'		2:40p		Solid	SHM		✓	✓	✓				
PH-16 1'		3:50p		Solid			✓	✓	✓				
				Solid									
				Solid									

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Shannon McDonald	11/6/12 5:35p	TTL, Inc	R. English	11/6/12, 17:35	SYR
				11/7/12 @ 0900	TAL Sfk

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 5.2 #7

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information
Client Contact: Ms. Shannon McDonald
Company: TTL, Inc.
Address: 4154 Lomac Street
City: Montgomery
State, Zip: AL, 36106
Phone: 334-244-0766(Tel)
Email: smcdonald@ttlusa.com
Project Name: TTL, Inc. - Syracuse, NY Sites
Site: Magna

Sampler: SHM
Phone: 334-850-1487
Due Date Requested:
TAT Requested (days):
PO #: Purchase Order Requested
WO #:
Project #: 48006637
SSOW#:

Lab PM: Schove, John
E-Mail: john.schove@testamericainc.com
Carrier Tracking No(s):
COC No: 480-28825-7536.8
Page: Page 8 of 12
Job #: 600212-024

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	6010B, 7471A	8260B - TCL list OLM04.2	6010B, 7470A	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	A	D		
PH-1	11/5/12	11:30	G	Water				✓	✓	✓	✓		(VOC, SVOC, total
PH-2	↓	12:15	G	Water				✓	✓	✓	✓		& diss. metals)
PH-3	↓	1:30	G	Water				✓	✓	✓	✓		
PH-4	↓	2:30	G	Water				✓	✓	✓	✓		
PH-6	↓	4:50	G	Water				✓	✓	✓	✓		
				Water									
				Water									
				Water									
				Water									
				Water									
				Water									

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
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - ph 4-5
Z - other (specify)
Other:

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Shannon McDonald	11/5/12 17:00	TTL	[illegible]	11-5-12 17	UV
R English	11-05-12, 19:00	SyR	[illegible]	11/6/12 0815	TCL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 3.0, 2.7, 2.5 BY

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: SHM	Lab PM: Schove, John	Carrier Tracking No(s):	COC No: 480-28825-7536.9
Client Contact: Ms. Shannon McDonald	Phone: 334-850-1487	E-Mail: john.schove@testamericainc.com		Page: Page 9 of 12
Company: TTL, Inc.				Job #: 60009 12-024
Address: 4154 Lomac Street	Due Date Requested:			
City: Montgomery	TAT Requested (days):			
State, Zip: AL, 36106				
Phone: 334-244-0766(Tel)	PO #: Purchase Order Requested			
Email: smcdonald@ttlusa.com	WO #:			
Project Name: TTL, Inc. - Syracuse, NY Sites	Project #: 48006637			
Site: Magna	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	6010B, 7471A	8260B - TCL list OLM04.2	6010B, 7470A	6010 7470	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	N	N	A	D	N		
PH-5	11/6/12	7:25a		Water				✓		✓	✓	✓	1	
PH-7	11/6/12	12:25p		Water				✓		✓	✓	✓	1	
				Water										
				Water										
				Water										
				Water										
				Water										
				Water										
				Water										
				Water										
				Water										
				Water										

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Shannon M McDonald	11/6/12 5:35p	TTL, Inc.	R English	11/6/12, 17:35	SAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

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: 480-28095-1
Client Project/Site: Magna Site - Solid
Revision: 1

For:
TTL, Inc.
4154 Lomac Street
Montgomery, Alabama 36106

Attn: Ms. Shannon McDonald

Authorized for release by:
11/30/2012 6:48:04 PM
Ryan VanDette
Project Manager I
ryan.vandette@testamericainc.com

Designee for

John Schove
Project Manager I
john.schove@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

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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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
X	Surrogate is outside 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.
U	Indicates the analyte was analyzed for but not detected.

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.
U	Indicates the analyte was analyzed for but not detected.

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)

Job ID: 480-28095-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-28095-1

Comments
No additional comments.

Receipt
The samples were received on 11/8/2012 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.7º C and 3.1º C.

Except:

This report has been revised to include 8015 DRO analysis.

GC/MS VOA
Method(s) 8260B: Internal standard (ISTD) response and surrogate recovery for the following sample was outside control limits: PH-26 12' (480-28095-7). The sample was re-analyzed with concurring results. Only the reanalysis has been reported.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: The following compound was outside control limits in the continuing calibration verification (CCV) associated with batch 90929: Bis(2-ethylhexyl) phthalate. This compound is not classified as a Calibration Check Compound (CCC) in the reference method. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for four analytes to be outside limits; therefore, the data have been reported.

Method(s) 8270C: The following samples were diluted due to the nature of the sample matrix: PH-20 4' (480-28095-4), PH-26 12' (480-28095-7). As such, surrogate recoveries were reduced to a level in which they do not provide useful information. Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: The following samples were diluted due to the abundance of target analytes: (480-28095-7 MS), (480-28095-7 MSD), PH-26 12' (480-28095-7). As such, surrogate recoveries are not reported or not representative, and elevated reporting limits (RLs) are provided.

Method(s) 8015B: Due to the matrix, the following sample could not be concentrated to the final method required volume: PH-20 4' (480-28095-4). The reporting limits (RLs) are elevated proportionately.

Method(s) 8015B: Due to the high concentration of C10-C28, the matrix spike / matrix spike duplicate (MS/MSD) for batch 93049 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 8015B: The following samples were analyzed outside of analytical holding time due to the addition of DRO to the project: (480-28095-7 MS), (480-28095-7 MSD), PH-20 4' (480-28095-4), PH-26 12' (480-28095-7).

No other analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

Organic Prep
Method(s) 3550B: Due to the matrix, the following samples could not be concentrated to the final method required volume: PH-20 4' (480-28095-4). The reporting limits (RLs) are elevated proportionately.

Job ID: 480-28095-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Method(s) 3550B: The following samples were prepared and/or analyzed outside the method defined holding time because the request for the test was made after the holding time for the sample expired: PH-20 4' (480-28095-4), PH-26 12' (480-28095-7).

No other analytical or quality issues were noted.

Detection Summary

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-17 4' — Lab Sample ID: 480-28095-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.7	J	29	4.8	ug/Kg	1	☼	8260B	Total/NA
Benzo(a)anthracene	11	J	210	3.5	ug/Kg	1	☼	8270C	Total/NA
Benzo(a)pyrene	7.5	J	210	4.9	ug/Kg	1	☼	8270C	Total/NA
Benzo(b)fluoranthene	9.5	J	210	4.0	ug/Kg	1	☼	8270C	Total/NA
Chrysene	9.2	J	210	2.0	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	5.7	J	210	3.0	ug/Kg	1	☼	8270C	Total/NA
Pyrene	17	J	210	1.3	ug/Kg	1	☼	8270C	Total/NA
Arsenic	21.7		2.6	0.52	mg/Kg	1	☼	6010B	Total/NA
Barium	56.7		0.65	0.14	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.16	J	0.26	0.039	mg/Kg	1	☼	6010B	Total/NA
Chromium	26.7		0.65	0.26	mg/Kg	1	☼	6010B	Total/NA
Lead	34.1		1.3	0.31	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.027		0.025	0.010	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: PH-18 8' — Lab Sample ID: 480-28095-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.2	J	6.1	0.74	ug/Kg	1	☼	8260B	Total/NA
Acetone	19	J	30	5.1	ug/Kg	1	☼	8260B	Total/NA
2-Methylnaphthalene	6.6	J	190	2.3	ug/Kg	1	☼	8270C	Total/NA
Acenaphthene	3.7	J	190	2.2	ug/Kg	1	☼	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	820		190	61	ug/Kg	1	☼	8270C	Total/NA
Di-n-butyl phthalate	100	J	190	66	ug/Kg	1	☼	8270C	Total/NA
Dibenzofuran	8.1	J	190	2.0	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	13	J	190	2.7	ug/Kg	1	☼	8270C	Total/NA
Fluorene	17	J	190	4.4	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	54	J	190	4.0	ug/Kg	1	☼	8270C	Total/NA
Pyrene	23	J	190	1.2	ug/Kg	1	☼	8270C	Total/NA
Arsenic	21.6		2.4	0.48	mg/Kg	1	☼	6010B	Total/NA
Barium	23.7		0.60	0.13	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.15	J	0.24	0.036	mg/Kg	1	☼	6010B	Total/NA
Chromium	25.3		0.60	0.24	mg/Kg	1	☼	6010B	Total/NA
Lead	37.0		1.2	0.29	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.031		0.022	0.0091	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: PH-19 11' — Lab Sample ID: 480-28095-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Hexanone	2.7	J	26	2.6	ug/Kg	1	☼	8260B	Total/NA
2-Butanone (MEK)	5.8	J	26	1.9	ug/Kg	1	☼	8260B	Total/NA
Acetone	46		26	4.4	ug/Kg	1	☼	8260B	Total/NA
Ethylbenzene	0.61	J	5.2	0.36	ug/Kg	1	☼	8260B	Total/NA
Biphenyl	36	J	190	12	ug/Kg	1	☼	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	430		190	62	ug/Kg	1	☼	8270C	Total/NA
Fluorene	67	J	190	4.4	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	280		190	4.0	ug/Kg	1	☼	8270C	Total/NA
Arsenic	2.9		2.3	0.47	mg/Kg	1	☼	6010B	Total/NA
Barium	35.6		0.59	0.13	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.082	J	0.23	0.035	mg/Kg	1	☼	6010B	Total/NA
Chromium	22.0		0.59	0.23	mg/Kg	1	☼	6010B	Total/NA
Lead	7.9		1.2	0.28	mg/Kg	1	☼	6010B	Total/NA

Detection Summary

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-20 4' — Lab Sample ID: 480-28095-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	8.9	J	25	1.8	ug/Kg	1	☼	8260B	Total/NA
4-Methyl-2-pentanone (MIBK)	2.4	J	25	1.7	ug/Kg	1	☼	8260B	Total/NA
Acetone	140		25	4.2	ug/Kg	1	☼	8260B	Total/NA
Methyl acetate	5.7		5.0	0.94	ug/Kg	1	☼	8260B	Total/NA
Diesel Range Organics [C10-C28]	3000	H	180	53	mg/Kg	1	☼	8015B	Total/NA
Arsenic	4.9		2.1	0.42	mg/Kg	1	☼	6010B	Total/NA
Barium	184		0.52	0.11	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.35		0.21	0.031	mg/Kg	1	☼	6010B	Total/NA
Chromium	7.5		0.52	0.21	mg/Kg	1	☼	6010B	Total/NA
Lead	8.8		1.0	0.25	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.47	J	4.2	0.42	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.0091	J	0.019	0.0079	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: PH-22 6' — Lab Sample ID: 480-28095-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.4		2.2	0.43	mg/Kg	1	☼	6010B	Total/NA
Barium	18.7		0.54	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.085	J	0.22	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	23.8		0.54	0.22	mg/Kg	1	☼	6010B	Total/NA
Lead	2.4		1.1	0.26	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: PH-25 3' — Lab Sample ID: 480-28095-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.8	J	25	4.2	ug/Kg	1	☼	8260B	Total/NA
Acenaphthene	9.1	J	190	2.3	ug/Kg	1	☼	8270C	Total/NA
Anthracene	14	J	190	4.9	ug/Kg	1	☼	8270C	Total/NA
Benzo(a)anthracene	140	J	190	3.3	ug/Kg	1	☼	8270C	Total/NA
Benzo(a)pyrene	150	J	190	4.7	ug/Kg	1	☼	8270C	Total/NA
Benzo(b)fluoranthene	180	J	190	3.7	ug/Kg	1	☼	8270C	Total/NA
Benzo(g,h,i)perylene	110	J	190	2.3	ug/Kg	1	☼	8270C	Total/NA
Carbazole	11	J	190	2.2	ug/Kg	1	☼	8270C	Total/NA
Chrysene	130	J	190	1.9	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	160	J	190	2.8	ug/Kg	1	☼	8270C	Total/NA
Indeno(1,2,3-cd)pyrene	100	J	190	5.3	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	43	J	190	4.0	ug/Kg	1	☼	8270C	Total/NA
Phenol	32	J	190	20	ug/Kg	1	☼	8270C	Total/NA
Pyrene	210		190	1.2	ug/Kg	1	☼	8270C	Total/NA
Arsenic	6.8		2.3	0.45	mg/Kg	1	☼	6010B	Total/NA
Barium	41.5		0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.15	J	0.23	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	16.4		0.57	0.23	mg/Kg	1	☼	6010B	Total/NA
Lead	12.6		1.1	0.27	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.015	J	0.021	0.0085	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: PH-26 12' — Lab Sample ID: 480-28095-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	6.8	J	22	1.6	ug/Kg	1	☼	8260B	Total/NA
Acetone	27		22	3.7	ug/Kg	1	☼	8260B	Total/NA
Ethylbenzene	1.6	J	4.4	0.30	ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: PH-26 12' (Continued) — Lab Sample ID: 480-28095-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	8.6		4.4	0.59	ug/Kg	1	☼	8260B	Total/NA
Bis(2-ethylhexyl) phthalate	1400	J	3600	1100	ug/Kg	20	☼	8270C	Total/NA
Diesel Range Organics [C10-C28]	5500	H	360	110	mg/Kg	20	☼	8015B	Total/NA
Arsenic	5.5		2.2	0.44	mg/Kg	1	☼	6010B	Total/NA
Barium	54.3		0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.086	J	0.22	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	5.2		0.55	0.22	mg/Kg	1	☼	6010B	Total/NA
Lead	3.7		1.1	0.26	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: PH-27 12' — Lab Sample ID: 480-28095-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	9.2	J	21	1.5	ug/Kg	1	☼	8260B	Total/NA
Acetone	83		21	3.5	ug/Kg	1	☼	8260B	Total/NA
Isopropylbenzene	2.1	J	4.1	0.62	ug/Kg	1	☼	8260B	Total/NA
Methyl acetate	6.7		4.1	0.77	ug/Kg	1	☼	8260B	Total/NA
Biphenyl	39	J	200	12	ug/Kg	1	☼	8270C	Total/NA
2-Methylnaphthalene	230		200	2.4	ug/Kg	1	☼	8270C	Total/NA
Acenaphthene	45	J	200	2.3	ug/Kg	1	☼	8270C	Total/NA
Acetophenone	19	J	200	10	ug/Kg	1	☼	8270C	Total/NA
Caprolactam	340		200	85	ug/Kg	1	☼	8270C	Total/NA
Dibenzofuran	48	J	200	2.0	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	120	J	200	2.8	ug/Kg	1	☼	8270C	Total/NA
Fluorene	98	J	200	4.5	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	71	J	200	3.3	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	410		200	4.1	ug/Kg	1	☼	8270C	Total/NA
Pyrene	150	J	200	1.3	ug/Kg	1	☼	8270C	Total/NA
Arsenic	2.7		2.6	0.51	mg/Kg	1	☼	6010B	Total/NA
Barium	47.2		0.64	0.14	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.13	J	0.26	0.038	mg/Kg	1	☼	6010B	Total/NA
Chromium	23.4		0.64	0.26	mg/Kg	1	☼	6010B	Total/NA
Lead	2.4		1.3	0.31	mg/Kg	1	☼	6010B	Total/NA

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-17 4'
Date Collected: 11/07/12 08:00
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-1
Matrix: Solid
Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.7	U	5.7	0.42	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
1,1,2,2-Tetrachloroethane	5.7	U	5.7	0.93	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
1,1,2-Trichloroethane	5.7	U	5.7	0.74	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.7	U	5.7	1.3	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
1,1-Dichloroethane	5.7	U	5.7	0.70	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
1,1-Dichloroethene	5.7	U	5.7	0.70	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
1,2,4-Trichlorobenzene	5.7	U	5.7	0.35	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
1,2-Dibromo-3-Chloropropane	5.7	U	5.7	2.9	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
1,2-Dibromoethane	5.7	U	5.7	0.73	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
1,2-Dichlorobenzene	5.7	U	5.7	0.45	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
1,2-Dichloroethane	5.7	U	5.7	0.29	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
1,2-Dichloropropane	5.7	U	5.7	2.9	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
1,3-Dichlorobenzene	5.7	U	5.7	0.29	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
1,4-Dichlorobenzene	5.7	U	5.7	0.80	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
2-Hexanone	29	U	29	2.9	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
2-Butanone (MEK)	29	U	29	2.1	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
4-Methyl-2-pentanone (MIBK)	29	U	29	1.9	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Acetone	**8.7**	**J**	29	4.8	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Benzene	5.7	U	5.7	0.28	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Bromodichloromethane	5.7	U	5.7	0.77	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Bromoform	5.7	U	5.7	2.9	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Bromomethane	5.7	U	5.7	0.51	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Carbon disulfide	5.7	U	5.7	2.9	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Carbon tetrachloride	5.7	U	5.7	0.55	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Chlorobenzene	5.7	U	5.7	0.75	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Dibromochloromethane	5.7	U	5.7	0.73	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Chloroethane	5.7	U	5.7	1.3	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Chloroform	5.7	U	5.7	0.35	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Chloromethane	5.7	U	5.7	0.35	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
cis-1,2-Dichloroethene	5.7	U	5.7	0.73	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
cis-1,3-Dichloropropene	5.7	U	5.7	0.82	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Cyclohexane	5.7	U	5.7	0.80	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Dichlorodifluoromethane	5.7	U	5.7	0.47	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Ethylbenzene	5.7	U	5.7	0.39	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Isopropylbenzene	5.7	U	5.7	0.86	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Methyl acetate	5.7	U	5.7	1.1	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Methyl tert-butyl ether	5.7	U	5.7	0.56	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Methylcyclohexane	5.7	U	5.7	0.87	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Methylene Chloride	5.7	U	5.7	2.6	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Styrene	5.7	U	5.7	0.29	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Tetrachloroethene	5.7	U	5.7	0.77	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Toluene	5.7	U	5.7	0.43	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
trans-1,2-Dichloroethene	5.7	U	5.7	0.59	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
trans-1,3-Dichloropropene	5.7	U	5.7	2.5	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Trichloroethene	5.7	U	5.7	1.3	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Trichlorofluoromethane	5.7	U	5.7	0.54	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Vinyl chloride	5.7	U	5.7	0.70	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1
Xylenes, Total	11	U	11	0.96	ug/Kg	☼	11/13/12 23:52	11/14/12 07:48	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-17 4'

Date Collected: 11/07/12 08:00
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-1

Matrix: Solid
Percent Solids: 80.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*199*		*74 - 127*	*116l/ 6l2 2/ 0 2*	*116l46l2 9804T*	*1*
5oluene-dT (Surr)	*T9*		*81 - 12:*	*116l/ 6l2 2/ 0 2*	*116l46l2 9804T*	*1*
4-Bromofluorobenzene (Surr)	*T4*		*82 - 127*	*116l/ 6l2 2/ 0 2*	*116l46l2 9804T*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	210	U	210	13	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
bis (2-chloroisopropyl) ether	210	U	210	21	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
2,4,5-Trichlorophenol	210	U	210	44	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
2,4,6-Trichlorophenol	210	U	210	13	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
2,4-Dichlorophenol	210	U	210	11	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
2,4-Dimethylphenol	210	U	210	55	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
2,4-Dinitrophenol	400	U	400	71	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
2,4-Dinitrotoluene	210	U	210	32	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
2,6-Dinitrotoluene	210	U	210	50	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
2-Chloronaphthalene	210	U	210	14	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
2-Chlorophenol	210	U	210	10	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
2-Methylnaphthalene	210	U	210	2.5	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
2-Methylphenol	210	U	210	6.3	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
2-Nitroaniline	400	U	400	65	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
2-Nitrophenol	210	U	210	9.3	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
3,3'-Dichlorobenzidine	210	U	210	180	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
3-Nitroaniline	400	U	400	47	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
4,6-Dinitro-2-methylphenol	400	U	400	70	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
4-Bromophenyl phenyl ether	210	U	210	65	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
4-Chloro-3-methylphenol	210	U	210	8.4	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
4-Chloroaniline	210	U	210	60	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
4-Chlorophenyl phenyl ether	210	U	210	4.3	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
4-Methylphenol	400	U	400	11	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
4-Nitroaniline	400	U	400	23	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
4-Nitrophenol	400	U	400	49	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Acenaphthene	210	U	210	2.4	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Acenaphthylene	210	U	210	1.7	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Acetophenone	210	U	210	10	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Anthracene	210	U	210	5.2	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Atrazine	210	U	210	9.1	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Benzaldehyde	210	U	210	22	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Benzo(a)anthracene	**11**	**J**	210	3.5	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Benzo(a)pyrene	**7.5**	**J**	210	4.9	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Benzo(b)fluoranthene	**9.5**	**J**	210	4.0	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Benzo(g,h,i)perylene	210	U	210	2.4	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Benzo(k)fluoranthene	210	U	210	2.2	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Bis(2-chloroethoxy)methane	210	U	210	11	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Bis(2-chloroethyl)ether	210	U	210	18	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Bis(2-ethylhexyl) phthalate	210	U	210	66	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Butyl benzyl phthalate	210	U	210	55	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Caprolactam	210	U	210	88	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Carbazole	210	U	210	2.4	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Chrysene	**9.2**	**J**	210	2.0	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Di-n-butyl phthalate	210	U	210	70	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-17 4'

Date Collected: 11/07/12 08:00
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-1

Matrix: Solid
Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	210	U	210	4.8	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Dibenz(a,h)anthracene	210	U	210	2.4	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Dibenzofuran	210	U	210	2.1	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Diethyl phthalate	210	U	210	6.2	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Dimethyl phthalate	210	U	210	5.3	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Fluoranthene	**5.7**	**J**	210	3.0	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Fluorene	210	U	210	4.7	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Hexachlorobenzene	210	U	210	10	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Hexachlorobutadiene	210	U	210	10	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Hexachlorocyclopentadiene	210	U	210	62	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Hexachloroethane	210	U	210	16	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Indeno(1,2,3-cd)pyrene	210	U	210	5.6	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Isophorone	210	U	210	10	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
N-Nitrosodi-n-propylamine	210	U	210	16	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
N-Nitrosodiphenylamine	210	U	210	11	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Naphthalene	210	U	210	3.4	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Nitrobenzene	210	U	210	9.0	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Pentachlorophenol	400	U	400	70	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Phenanthrene	210	U	210	4.3	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Phenol	210	U	210	21	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1
Pyrene	**17**	**J**	210	1.3	ug/Kg	☼	11/13/12 08:24	11/15/12 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,7-5ribromophenol	*3T*		*/ 3 - 147*	*116l/ 6l2 9T024*	*116l: 6l2 1T02:*	*1*
2-Fluorobiphenyl	*83*		*/ 8 - 129*	*116l/ 6l2 9T024*	*116l: 6l2 1T02:*	*1*
2-Fluorophenol	*7T*		*1T - 129*	*116l/ 6l2 9T024*	*116l: 6l2 1T02:*	*1*
Nitrobenzene-d:	*T2*		*/ 4 - 1/ 2*	*116l/ 6l2 9T024*	*116l: 6l2 1T02:*	*1*
p-5erphenyl-d14	*T8*		*7: - 1: /*	*116l/ 6l2 9T024*	*116l: 6l2 1T02:*	*1*
Phenol-d:	*8T*		*11 - 129*	*116l/ 6l2 9T024*	*116l: 6l2 1T02:*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**21.7**		2.6	0.52	mg/Kg	☼	11/09/12 13:45	11/10/12 19:30	1
Barium	**56.7**		0.65	0.14	mg/Kg	☼	11/09/12 13:45	11/10/12 19:30	1
Cadmium	**0.16**	**J**	0.26	0.039	mg/Kg	☼	11/09/12 13:45	11/10/12 19:30	1
Chromium	**26.7**		0.65	0.26	mg/Kg	☼	11/09/12 13:45	11/10/12 19:30	1
Lead	**34.1**		1.3	0.31	mg/Kg	☼	11/09/12 13:45	11/10/12 19:30	1
Selenium	5.2	U	5.2	0.52	mg/Kg	☼	11/09/12 13:45	11/10/12 19:30	1
Silver	0.65	U	0.65	0.26	mg/Kg	☼	11/09/12 13:45	11/10/12 19:30	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.027**		0.025	0.010	mg/Kg	☼	11/09/12 08:50	11/09/12 11:47	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-18 8'

Date Collected: 11/07/12 10:10
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-2

Matrix: Solid
Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	6.1	U	6.1	0.44	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
1,1,2,2-Tetrachloroethane	6.1	U	6.1	0.99	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
1,1,2-Trichloroethane	6.1	U	6.1	0.79	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	6.1	U	6.1	1.4	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
1,1-Dichloroethane	**3.2**	**J**	6.1	0.74	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
1,1-Dichloroethene	6.1	U	6.1	0.74	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
1,2,4-Trichlorobenzene	6.1	U	6.1	0.37	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
1,2-Dibromo-3-Chloropropane	6.1	U	6.1	3.0	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
1,2-Dibromoethane	6.1	U	6.1	0.78	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
1,2-Dichlorobenzene	6.1	U	6.1	0.48	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
1,2-Dichloroethane	6.1	U	6.1	0.30	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
1,2-Dichloropropane	6.1	U	6.1	3.0	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
1,3-Dichlorobenzene	6.1	U	6.1	0.31	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
1,4-Dichlorobenzene	6.1	U	6.1	0.85	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
2-Hexanone	30	U	30	3.0	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
2-Butanone (MEK)	30	U	30	2.2	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
4-Methyl-2-pentanone (MIBK)	30	U	30	2.0	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Acetone	**19**	**J**	30	5.1	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Benzene	6.1	U	6.1	0.30	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Bromodichloromethane	6.1	U	6.1	0.81	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Bromoform	6.1	U	6.1	3.0	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Bromomethane	6.1	U	6.1	0.55	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Carbon disulfide	6.1	U	6.1	3.0	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Carbon tetrachloride	6.1	U	6.1	0.59	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Chlorobenzene	6.1	U	6.1	0.80	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Dibromochloromethane	6.1	U	6.1	0.78	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Chloroethane	6.1	U	6.1	1.4	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Chloroform	6.1	U	6.1	0.38	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Chloromethane	6.1	U	6.1	0.37	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
cis-1,2-Dichloroethene	6.1	U	6.1	0.78	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
cis-1,3-Dichloropropene	6.1	U	6.1	0.87	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Cyclohexane	6.1	U	6.1	0.85	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Dichlorodifluoromethane	6.1	U	6.1	0.50	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Ethylbenzene	6.1	U	6.1	0.42	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Isopropylbenzene	6.1	U	6.1	0.92	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Methyl acetate	6.1	U	6.1	1.1	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Methyl tert-butyl ether	6.1	U	6.1	0.60	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Methylcyclohexane	6.1	U	6.1	0.92	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Methylene Chloride	6.1	U	6.1	2.8	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Styrene	6.1	U	6.1	0.30	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Tetrachloroethene	6.1	U	6.1	0.82	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Toluene	6.1	U	6.1	0.46	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
trans-1,2-Dichloroethene	6.1	U	6.1	0.63	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
trans-1,3-Dichloropropene	6.1	U	6.1	2.7	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Trichloroethene	6.1	U	6.1	1.3	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Trichlorofluoromethane	6.1	U	6.1	0.57	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Vinyl chloride	6.1	U	6.1	0.74	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1
Xylenes, Total	12	U	12	1.0	ug/Kg	☼	11/13/12 23:52	11/14/12 08:13	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-18 8'

Date Collected: 11/07/12 10:10
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-2

Matrix: Solid
Percent Solids: 88.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*33*		*74 - 127*	*116l/ 6l 2 2/ 0 2*	*116l 46l 2 9T0l/*	*1*
5oluene-dT (Surr)	*T1*		*81 - 12:*	*116l/ 6l 2 2/ 0 2*	*116l 46l 2 9T0l/*	*1*
4-Bromofluorobenzene (Surr)	*T7*		*82 - 127*	*116l/ 6l 2 2/ 0 2*	*116l 46l 2 9T0l/*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	190	U	190	12	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
bis (2-chloroisopropyl) ether	190	U	190	20	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
2,4,5-Trichlorophenol	190	U	190	41	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
2,4,6-Trichlorophenol	190	U	190	13	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
2,4-Dichlorophenol	190	U	190	9.9	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
2,4-Dimethylphenol	190	U	190	51	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
2,4-Dinitrophenol	370	U	370	66	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
2,4-Dinitrotoluene	190	U	190	29	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
2,6-Dinitrotoluene	190	U	190	46	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
2-Chloronaphthalene	190	U	190	13	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
2-Chlorophenol	190	U	190	9.6	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
2-Methylnaphthalene	**6.6**	**J**	190	2.3	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
2-Methylphenol	190	U	190	5.8	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
2-Nitroaniline	370	U	370	61	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
2-Nitrophenol	190	U	190	8.7	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
3,3'-Dichlorobenzidine	190	U	190	170	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
3-Nitroaniline	370	U	370	44	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
4,6-Dinitro-2-methylphenol	370	U	370	65	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
4-Bromophenyl phenyl ether	190	U	190	60	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
4-Chloro-3-methylphenol	190	U	190	7.8	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
4-Chloroaniline	190	U	190	56	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
4-Chlorophenyl phenyl ether	190	U	190	4.0	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
4-Methylphenol	370	U	370	11	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
4-Nitroaniline	370	U	370	21	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
4-Nitrophenol	370	U	370	46	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Acenaphthene	**3.7**	**J**	190	2.2	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Acenaphthylene	190	U	190	1.6	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Acetophenone	190	U	190	9.7	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Anthracene	190	U	190	4.9	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Atrazine	190	U	190	8.4	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Benzaldehyde	190	U	190	21	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Benzo(a)anthracene	190	U	190	3.3	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Benzo(a)pyrene	190	U	190	4.6	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Benzo(b)fluoranthene	190	U	190	3.7	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Benzo(g,h,i)perylene	190	U	190	2.3	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Benzo(k)fluoranthene	190	U	190	2.1	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Bis(2-chloroethoxy)methane	190	U	190	10	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Bis(2-chloroethyl)ether	190	U	190	16	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Bis(2-ethylhexyl) phthalate	**820**		190	61	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Butyl benzyl phthalate	190	U	190	51	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Caprolactam	190	U	190	82	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Carbazole	190	U	190	2.2	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Chrysene	190	U	190	1.9	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Di-n-butyl phthalate	**100**	**J**	190	66	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-18 8'

Date Collected: 11/07/12 10:10
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-2

Matrix: Solid
Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	190	U	190	4.4	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Dibenz(a,h)anthracene	190	U	190	2.2	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Dibenzofuran	**8.1**	**J**	190	2.0	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Diethyl phthalate	190	U	190	5.7	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Dimethyl phthalate	190	U	190	4.9	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Fluoranthene	**13**	**J**	190	2.7	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Fluorene	**17**	**J**	190	4.4	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Hexachlorobenzene	190	U	190	9.4	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Hexachlorobutadiene	190	U	190	9.7	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Hexachlorocyclopentadiene	190	U	190	57	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Hexachloroethane	190	U	190	15	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Indeno(1,2,3-cd)pyrene	190	U	190	5.2	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Isophorone	190	U	190	9.5	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
N-Nitrosodi-n-propylamine	190	U	190	15	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
N-Nitrosodiphenylamine	190	U	190	10	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Naphthalene	190	U	190	3.2	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Nitrobenzene	190	U	190	8.4	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Pentachlorophenol	370	U	370	65	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Phenanthrene	**54**	**J**	190	4.0	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Phenol	190	U	190	20	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1
Pyrene	**23**	**J**	190	1.2	ug/Kg	☼	11/13/12 08:24	11/15/12 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,7-5ribromophenol	*197*		*/ 3 - 147*	*1161/ 6/2 9T024*	*1161: 6/2 1T043*	*1*
2-Fluorobiphenyl	*T/*		*/ 8 - 129*	*1161/ 6/2 9T024*	*1161: 6/2 1T043*	*1*
2-Fluorophenol	*7:*		*1T - 129*	*1161/ 6/2 9T024*	*1161: 6/2 1T043*	*1*
Nitrobenzene-d:	*T:*		*/ 4 - 1/ 2*	*1161/ 6/2 9T024*	*1161: 6/2 1T043*	*1*
p-5erphenyl-d14	*TT*		*7: - 1: /*	*1161/ 6/2 9T024*	*1161: 6/2 1T043*	*1*
Phenol-d:	*8:*		*11 - 129*	*1161/ 6/2 9T024*	*1161: 6/2 1T043*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**21.6**		2.4	0.48	mg/Kg	☼	11/09/12 13:45	11/10/12 19:32	1
Barium	**23.7**		0.60	0.13	mg/Kg	☼	11/09/12 13:45	11/10/12 19:32	1
Cadmium	**0.15**	**J**	0.24	0.036	mg/Kg	☼	11/09/12 13:45	11/10/12 19:32	1
Chromium	**25.3**		0.60	0.24	mg/Kg	☼	11/09/12 13:45	11/10/12 19:32	1
Lead	**37.0**		1.2	0.29	mg/Kg	☼	11/09/12 13:45	11/10/12 19:32	1
Selenium	4.8	U	4.8	0.48	mg/Kg	☼	11/09/12 13:45	11/10/12 19:32	1
Silver	0.60	U	0.60	0.24	mg/Kg	☼	11/09/12 13:45	11/10/12 19:32	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.031**		0.022	0.0091	mg/Kg	☼	11/09/12 08:50	11/09/12 11:55	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-19 11'
Date Collected: 11/07/12 11:00
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-3
Matrix: Solid
Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.2	U	5.2	0.38	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
1,1,2,2-Tetrachloroethane	5.2	U	5.2	0.85	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
1,1,2-Trichloroethane	5.2	U	5.2	0.68	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.2	U	5.2	1.2	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
1,1-Dichloroethane	5.2	U	5.2	0.64	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
1,1-Dichloroethene	5.2	U	5.2	0.64	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
1,2,4-Trichlorobenzene	5.2	U	5.2	0.32	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
1,2-Dibromo-3-Chloropropane	5.2	U	5.2	2.6	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
1,2-Dibromoethane	5.2	U	5.2	0.67	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
1,2-Dichlorobenzene	5.2	U	5.2	0.41	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
1,2-Dichloroethane	5.2	U	5.2	0.26	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
1,2-Dichloropropane	5.2	U	5.2	2.6	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
1,3-Dichlorobenzene	5.2	U	5.2	0.27	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
1,4-Dichlorobenzene	5.2	U	5.2	0.73	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
2-Hexanone	**2.7**	**J**	26	2.6	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
2-Butanone (MEK)	**5.8**	**J**	26	1.9	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
4-Methyl-2-pentanone (MIBK)	26	U	26	1.7	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Acetone	**46**		26	4.4	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Benzene	5.2	U	5.2	0.26	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Bromodichloromethane	5.2	U	5.2	0.70	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Bromoform	5.2	U	5.2	2.6	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Bromomethane	5.2	U	5.2	0.47	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Carbon disulfide	5.2	U	5.2	2.6	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Carbon tetrachloride	5.2	U	5.2	0.51	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Chlorobenzene	5.2	U	5.2	0.69	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Dibromochloromethane	5.2	U	5.2	0.67	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Chloroethane	5.2	U	5.2	1.2	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Chloroform	5.2	U	5.2	0.32	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Chloromethane	5.2	U	5.2	0.32	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
cis-1,2-Dichloroethene	5.2	U	5.2	0.67	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
cis-1,3-Dichloropropene	5.2	U	5.2	0.76	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Cyclohexane	5.2	U	5.2	0.73	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Dichlorodifluoromethane	5.2	U	5.2	0.43	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Ethylbenzene	**0.61**	**J**	5.2	0.36	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Isopropylbenzene	5.2	U	5.2	0.79	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Methyl acetate	5.2	U	5.2	0.98	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Methyl tert-butyl ether	5.2	U	5.2	0.52	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Methylcyclohexane	5.2	U	5.2	0.80	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Methylene Chloride	5.2	U	5.2	2.4	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Styrene	5.2	U	5.2	0.26	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Tetrachloroethene	5.2	U	5.2	0.70	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Toluene	5.2	U	5.2	0.40	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
trans-1,2-Dichloroethene	5.2	U	5.2	0.54	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
trans-1,3-Dichloropropene	5.2	U	5.2	2.3	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Trichloroethene	5.2	U	5.2	1.2	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Trichlorofluoromethane	5.2	U	5.2	0.50	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Vinyl chloride	5.2	U	5.2	0.64	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1
Xylenes, Total	10	U	10	0.88	ug/Kg	☼	11/13/12 23:52	11/14/12 08:38	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-19 11'

Date Collected: 11/07/12 11:00
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-3

Matrix: Solid
Percent Solids: 86.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*38*		*74 - 127*	*116l/ 6l2 2/ 0 2*	*116l 46l2 9T0/ T*	*1*
5oluene-dT (Surr)	*T9*		*81 - 12:*	*116l/ 6l2 2/ 0 2*	*116l 46l2 9T0/ T*	*1*
4-Bromofluorobenzene (Surr)	*T:*		*82 - 127*	*116l/ 6l2 2/ 0 2*	*116l 46l2 9T0/ T*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	**36**	**J**	190	12	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
bis (2-chloroisopropyl) ether	190	U	190	20	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
2,4,5-Trichlorophenol	190	U	190	42	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
2,4,6-Trichlorophenol	190	U	190	13	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
2,4-Dichlorophenol	190	U	190	10	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
2,4-Dimethylphenol	190	U	190	52	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
2,4-Dinitrophenol	370	U	370	67	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
2,4-Dinitrotoluene	190	U	190	30	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
2,6-Dinitrotoluene	190	U	190	47	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
2-Chloronaphthalene	190	U	190	13	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
2-Chlorophenol	190	U	190	9.8	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
2-Methylnaphthalene	190	U	190	2.3	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
2-Methylphenol	190	U	190	5.9	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
2-Nitroaniline	370	U	370	61	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
2-Nitrophenol	190	U	190	8.8	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
3,3'-Dichlorobenzidine	190	U	190	170	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
3-Nitroaniline	370	U	370	44	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
4,6-Dinitro-2-methylphenol	370	U	370	66	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
4-Bromophenyl phenyl ether	190	U	190	61	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
4-Chloro-3-methylphenol	190	U	190	7.9	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
4-Chloroaniline	190	U	190	56	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
4-Chlorophenyl phenyl ether	190	U	190	4.1	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
4-Methylphenol	370	U	370	11	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
4-Nitroaniline	370	U	370	21	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
4-Nitrophenol	370	U	370	46	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Acenaphthene	190	U	190	2.3	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Acenaphthylene	190	U	190	1.6	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Acetophenone	190	U	190	9.8	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Anthracene	190	U	190	4.9	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Atrazine	190	U	190	8.5	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Benzaldehyde	190	U	190	21	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Benzo(a)anthracene	190	U	190	3.3	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Benzo(a)pyrene	190	U	190	4.6	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Benzo(b)fluoranthene	190	U	190	3.7	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Benzo(g,h,i)perylene	190	U	190	2.3	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Benzo(k)fluoranthene	190	U	190	2.1	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Bis(2-chloroethoxy)methane	190	U	190	10	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Bis(2-chloroethyl)ether	190	U	190	17	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Bis(2-ethylhexyl) phthalate	**430**		190	62	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Butyl benzyl phthalate	190	U	190	51	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Caprolactam	190	U	190	83	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Carbazole	190	U	190	2.2	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Chrysene	190	U	190	1.9	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Di-n-butyl phthalate	190	U	190	66	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-19 11'

Date Collected: 11/07/12 11:00
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-3

Matrix: Solid
Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	190	U	190	4.5	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Dibenz(a,h)anthracene	190	U	190	2.3	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Dibenzofuran	190	U	190	2.0	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Diethyl phthalate	190	U	190	5.8	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Dimethyl phthalate	190	U	190	5.0	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Fluoranthene	190	U	190	2.8	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Fluorene	**67**	**J**	190	4.4	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Hexachlorobenzene	190	U	190	9.5	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Hexachlorobutadiene	190	U	190	9.8	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Hexachlorocyclopentadiene	190	U	190	58	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Hexachloroethane	190	U	190	15	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Indeno(1,2,3-cd)pyrene	190	U	190	5.3	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Isophorone	190	U	190	9.6	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
N-Nitrosodi-n-propylamine	190	U	190	15	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
N-Nitrosodiphenylamine	190	U	190	10	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Naphthalene	190	U	190	3.2	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Nitrobenzene	190	U	190	8.5	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Pentachlorophenol	370	U	370	66	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Phenanthrene	**280**		190	4.0	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Phenol	190	U	190	20	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1
Pyrene	190	U	190	1.2	ug/Kg	☼	11/13/12 08:24	11/15/12 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,7-5ribromophenol	*119*		*/ 3 - 147*	*1161/ 6/2 9T024*	*1161: 6/2 1301/2*	*1*
2-Fluorobiphenyl	*T3*		*/ 8 - 129*	*1161/ 6/2 9T024*	*1161: 6/2 1301/2*	*1*
2-Fluorophenol	*81*		*1T - 129*	*1161/ 6/2 9T024*	*1161: 6/2 1301/2*	*1*
Nitrobenzene-d:	*3T*		*/ 4 - 1/ 2*	*1161/ 6/2 9T024*	*1161: 6/2 1301/2*	*1*
p-5erphenyl-d14	*39*		*7: - 1: /*	*1161/ 6/2 9T024*	*1161: 6/2 1301/2*	*1*
Phenol-d:	*T1*		*11 - 129*	*1161/ 6/2 9T024*	*1161: 6/2 1301/2*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.9**		2.3	0.47	mg/Kg	☼	11/09/12 13:45	11/10/12 19:34	1
Barium	**35.6**		0.59	0.13	mg/Kg	☼	11/09/12 13:45	11/10/12 19:34	1
Cadmium	**0.082**	**J**	0.23	0.035	mg/Kg	☼	11/09/12 13:45	11/10/12 19:34	1
Chromium	**22.0**		0.59	0.23	mg/Kg	☼	11/09/12 13:45	11/10/12 19:34	1
Lead	**7.9**		1.2	0.28	mg/Kg	☼	11/09/12 13:45	11/10/12 19:34	1
Selenium	4.7	U	4.7	0.47	mg/Kg	☼	11/09/12 13:45	11/10/12 19:34	1
Silver	0.59	U	0.59	0.23	mg/Kg	☼	11/09/12 13:45	11/10/12 19:34	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023	U	0.023	0.0094	mg/Kg	☼	11/09/12 08:50	11/09/12 11:56	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-20 4'

Date Collected: 11/07/12 12:05
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-4

Matrix: Solid
Percent Solids: 94.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.37	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.82	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
1,1-Dichloroethene	5.0	U	5.0	0.62	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.31	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
1,2-Dibromoethane	5.0	U	5.0	0.65	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
2-Hexanone	25	U	25	2.5	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
2-Butanone (MEK)	**8.9**	**J**	25	1.8	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
4-Methyl-2-pentanone (MIBK)	**2.4**	**J**	25	1.7	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Acetone	**140**		25	4.2	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Benzene	5.0	U	5.0	0.25	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Bromoform	5.0	U	5.0	2.5	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Carbon tetrachloride	5.0	U	5.0	0.49	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Chloroform	5.0	U	5.0	0.31	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Dichlorodifluoromethane	5.0	U	5.0	0.42	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Isopropylbenzene	5.0	U	5.0	0.76	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Methyl acetate	**5.7**		5.0	0.94	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Styrene	5.0	U	5.0	0.25	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Tetrachloroethene	5.0	U	5.0	0.68	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Toluene	5.0	U	5.0	0.38	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Trichlorofluoromethane	5.0	U	5.0	0.48	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1
Xylenes, Total	10	U	10	0.85	ug/Kg	☼	11/13/12 23:52	11/14/12 11:52	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-20 4'

Date Collected: 11/07/12 12:05
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-4

Matrix: Solid
Percent Solids: 94.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*3/*		*74 - 127*	*116l/ 6l2 2/ 0 2*	*116l46l2 110 2*	*1*
5oluene-dT (Surr)	*T:*		*81 - 12:*	*116l/ 6l2 2/ 0 2*	*116l46l2 110 2*	*1*
4-Bromofluorobenzene (Surr)	*T1*		*82 - 127*	*116l/ 6l2 2/ 0 2*	*116l46l2 110 2*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	3600	U	3600	220	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
bis (2-chloroisopropyl) ether	3600	U	3600	370	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
2,4,5-Trichlorophenol	3600	U	3600	780	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
2,4,6-Trichlorophenol	3600	U	3600	240	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
2,4-Dichlorophenol	3600	U	3600	190	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
2,4-Dimethylphenol	3600	U	3600	960	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
2,4-Dinitrophenol	7000	U	7000	1200	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
2,4-Dinitrotoluene	3600	U	3600	550	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
2,6-Dinitrotoluene	3600	U	3600	870	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
2-Chloronaphthalene	3600	U	3600	240	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
2-Chlorophenol	3600	U	3600	180	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
2-Methylnaphthalene	3600	U	3600	43	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
2-Methylphenol	3600	U	3600	110	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
2-Nitroaniline	7000	U	7000	1100	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
2-Nitrophenol	3600	U	3600	160	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
3,3'-Dichlorobenzidine	3600	U	3600	3100	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
3-Nitroaniline	7000	U	7000	820	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
4,6-Dinitro-2-methylphenol	7000	U	7000	1200	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
4-Bromophenyl phenyl ether	3600	U	3600	1100	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
4-Chloro-3-methylphenol	3600	U	3600	150	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
4-Chloroaniline	3600	U	3600	1000	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
4-Chlorophenyl phenyl ether	3600	U	3600	76	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
4-Methylphenol	7000	U	7000	200	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
4-Nitroaniline	7000	U	7000	400	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
4-Nitrophenol	7000	U	7000	860	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Acenaphthene	3600	U	3600	42	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Acenaphthylene	3600	U	3600	29	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Acetophenone	3600	U	3600	180	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Anthracene	3600	U	3600	91	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Atrazine	3600	U	3600	160	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Benzaldehyde	3600	U	3600	390	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Benzo(a)anthracene	3600	U	3600	62	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Benzo(a)pyrene	3600	U	3600	86	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Benzo(b)fluoranthene	3600	U	3600	69	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Benzo(g,h,i)perylene	3600	U	3600	43	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Benzo(k)fluoranthene	3600	U	3600	39	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Bis(2-chloroethoxy)methane	3600	U	3600	190	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Bis(2-chloroethyl)ether	3600	U	3600	310	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Bis(2-ethylhexyl) phthalate	3600	U	3600	1100	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Butyl benzyl phthalate	3600	U	3600	960	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Caprolactam	3600	U	3600	1500	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Carbazole	3600	U	3600	41	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Chrysene	3600	U	3600	36	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Di-n-butyl phthalate	3600	U	3600	1200	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20

Client Sample ID: PH-20 4'

Date Collected: 11/07/12 12:05
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-4

Matrix: Solid
Percent Solids: 94.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	3600	U	3600	83	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Dibenz(a,h)anthracene	3600	U	3600	42	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Dibenzofuran	3600	U	3600	37	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Diethyl phthalate	3600	U	3600	110	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Dimethyl phthalate	3600	U	3600	93	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Fluoranthene	3600	U	3600	52	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Fluorene	3600	U	3600	82	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Hexachlorobenzene	3600	U	3600	180	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Hexachlorobutadiene	3600	U	3600	180	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Hexachlorocyclopentadiene	3600	U	3600	1100	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Hexachloroethane	3600	U	3600	280	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Indeno(1,2,3-cd)pyrene	3600	U	3600	99	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Isophorone	3600	U	3600	180	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
N-Nitrosodi-n-propylamine	3600	U	3600	280	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
N-Nitrosodiphenylamine	3600	U	3600	200	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Naphthalene	3600	U	3600	59	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Nitrobenzene	3600	U	3600	160	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Pentachlorophenol	7000	U	7000	1200	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Phenanthrene	3600	U	3600	75	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Phenol	3600	U	3600	380	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20
Pyrene	3600	U	3600	23	ug/Kg	☼	11/13/12 08:24	11/16/12 13:23	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,7-5ribromophenol	*T:*		*/ 3 - 147*	*116l/ 6l2 9T024*	*116l76l2 1/ 02/*	*29*
2-Fluorobiphenyl	*8T*		*/ 8 - 129*	*116l/ 6l2 9T024*	*116l76l2 1/ 02/*	*29*
2-Fluorophenol	*: 4*		*1T - 129*	*116l/ 6l2 9T024*	*116l76l2 1/ 02/*	*29*
Nitrobenzene-d:	*72*		*/ 4 - 1/ 2*	*116l/ 6l2 9T024*	*116l76l2 1/ 02/*	*29*
p-5erphenyl-d14	*3/*		*7: - 1: /*	*116l/ 6l2 9T024*	*116l76l2 1/ 02/*	*29*
Phenol-d:	*: 8*		*11 - 129*	*116l/ 6l2 9T024*	*116l76l2 1/ 02/*	*29*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**3000**	**H**	180	53	mg/Kg	☼	11/28/12 07:10	11/29/12 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-5erphenyl	*293*	*X*	*4T - 12:*	*116 2T6l2 980l9*	*116 236l2 120 /*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.9**		2.1	0.42	mg/Kg	☼	11/09/12 13:45	11/10/12 19:50	1
Barium	**184**		0.52	0.11	mg/Kg	☼	11/09/12 13:45	11/10/12 19:50	1
Cadmium	**0.35**		0.21	0.031	mg/Kg	☼	11/09/12 13:45	11/10/12 19:50	1
Chromium	**7.5**		0.52	0.21	mg/Kg	☼	11/09/12 13:45	11/10/12 19:50	1
Lead	**8.8**		1.0	0.25	mg/Kg	☼	11/09/12 13:45	11/10/12 19:50	1
Selenium	**0.47**	**J**	4.2	0.42	mg/Kg	☼	11/09/12 13:45	11/10/12 19:50	1
Silver	0.52	U	0.52	0.21	mg/Kg	☼	11/09/12 13:45	11/10/12 19:50	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0091**	**J**	0.019	0.0079	mg/Kg	☼	11/09/12 08:50	11/09/12 11:58	1

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-22 6'
Date Collected: 11/07/12 13:05
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-5
Matrix: Solid
Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
2-Hexanone	25	U	25	2.5	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Acetone	25	U	25	4.2	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Benzene	5.0	U	5.0	0.24	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Bromoform	5.0	U	5.0	2.5	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Chloroform	5.0	U	5.0	0.31	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Ethylbenzene	5.0	U	5.0	0.34	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Methyl acetate	5.0	U	5.0	0.93	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Styrene	5.0	U	5.0	0.25	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Toluene	5.0	U	5.0	0.38	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.51	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1
Xylenes, Total	10	U	10	0.84	ug/Kg	☼	11/14/12 10:43	11/14/12 12:18	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-22 6'

Date Collected: 11/07/12 13:05
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-5

Matrix: Solid
Percent Solids: 91.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*34*		*74 - 127*	*116l46l2 1904/*	*116l46l2 1201T*	*1*
5oluene-dT (Surr)	*T/*		*81 - 12:*	*116l46l2 1904/*	*116l46l2 1201T*	*1*
4-Bromofluorobenzene (Surr)	*T4*		*82 - 127*	*116l46l2 1904/*	*116l46l2 1201T*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	180	U	180	11	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
bis (2-chloroisopropyl) ether	180	U	180	19	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
2,4,5-Trichlorophenol	180	U	180	40	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
2,4,6-Trichlorophenol	180	U	180	12	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
2,4-Dichlorophenol	180	U	180	9.6	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
2,4-Dimethylphenol	180	U	180	49	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
2,4-Dinitrophenol	360	U	360	64	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
2,4-Dinitrotoluene	180	U	180	28	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
2,6-Dinitrotoluene	180	U	180	45	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
2-Chloronaphthalene	180	U	180	12	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
2-Chlorophenol	180	U	180	9.3	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
2-Methylnaphthalene	180	U	180	2.2	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
2-Methylphenol	180	U	180	5.6	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
2-Nitroaniline	360	U	360	59	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
2-Nitrophenol	180	U	180	8.4	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
3,3'-Dichlorobenzidine	180	U	180	160	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
3-Nitroaniline	360	U	360	42	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
4,6-Dinitro-2-methylphenol	360	U	360	63	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
4-Bromophenyl phenyl ether	180	U	180	58	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
4-Chloro-3-methylphenol	180	U	180	7.5	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
4-Chloroaniline	180	U	180	54	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
4-Chlorophenyl phenyl ether	180	U	180	3.9	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
4-Methylphenol	360	U	360	10	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
4-Nitroaniline	360	U	360	20	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
4-Nitrophenol	360	U	360	44	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Acenaphthene	180	U	180	2.2	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Acenaphthylene	180	U	180	1.5	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Acetophenone	180	U	180	9.4	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Anthracene	180	U	180	4.7	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Atrazine	180	U	180	8.2	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Benzaldehyde	180	U	180	20	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Benzo(a)anthracene	180	U	180	3.2	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Benzo(a)pyrene	180	U	180	4.4	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Benzo(b)fluoranthene	180	U	180	3.6	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Benzo(g,h,i)perylene	180	U	180	2.2	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Benzo(k)fluoranthene	180	U	180	2.0	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Bis(2-chloroethoxy)methane	180	U	180	10	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Bis(2-chloroethyl)ether	180	U	180	16	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Bis(2-ethylhexyl) phthalate	180	U	180	59	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Butyl benzyl phthalate	180	U	180	49	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Caprolactam	180	U	180	79	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Carbazole	180	U	180	2.1	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Chrysene	180	U	180	1.8	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Di-n-butyl phthalate	180	U	180	63	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-22 6'

Date Collected: 11/07/12 13:05
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-5

Matrix: Solid
Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	180	U	180	4.3	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Dibenz(a,h)anthracene	180	U	180	2.2	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Dibenzofuran	180	U	180	1.9	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Diethyl phthalate	180	U	180	5.5	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Dimethyl phthalate	180	U	180	4.8	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Fluoranthene	180	U	180	2.7	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Fluorene	180	U	180	4.2	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Hexachlorobenzene	180	U	180	9.1	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Hexachlorobutadiene	180	U	180	9.4	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Hexachlorocyclopentadiene	180	U	180	55	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Hexachloroethane	180	U	180	14	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Indeno(1,2,3-cd)pyrene	180	U	180	5.1	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Isophorone	180	U	180	9.2	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
N-Nitrosodi-n-propylamine	180	U	180	15	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
N-Nitrosodiphenylamine	180	U	180	10	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Naphthalene	180	U	180	3.0	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Nitrobenzene	180	U	180	8.1	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Pentachlorophenol	360	U	360	63	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Phenanthrene	180	U	180	3.8	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Phenol	180	U	180	19	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1
Pyrene	180	U	180	1.2	ug/Kg	☼	11/13/12 08:24	11/15/12 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,7-5ribromophenol	*111*		*/ 3 - 147*	*1161/ 6/2 9T024*	*1161: 6/2 130 T*	*1*
2-Fluorobiphenyl	*T7*		*/ 8 - 129*	*1161/ 6/2 9T024*	*1161: 6/2 130 T*	*1*
2-Fluorophenol	*73*		*1T - 129*	*1161/ 6/2 9T024*	*1161: 6/2 130 T*	*1*
Nitrobenzene-d:	*T3*		*/ 4 - 1/ 2*	*1161/ 6/2 9T024*	*1161: 6/2 130 T*	*1*
p-5erphenyl-d14	*3:*		*7: - 1: /*	*1161/ 6/2 9T024*	*1161: 6/2 130 T*	*1*
Phenol-d:	*T2*		*11 - 129*	*1161/ 6/2 9T024*	*1161: 6/2 130 T*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.4**		2.2	0.43	mg/Kg	☼	11/09/12 13:45	11/10/12 19:52	1
Barium	**18.7**		0.54	0.12	mg/Kg	☼	11/09/12 13:45	11/10/12 19:52	1
Cadmium	**0.085**	**J**	0.22	0.032	mg/Kg	☼	11/09/12 13:45	11/10/12 19:52	1
Chromium	**23.8**		0.54	0.22	mg/Kg	☼	11/09/12 13:45	11/10/12 19:52	1
Lead	**2.4**		1.1	0.26	mg/Kg	☼	11/09/12 13:45	11/10/12 19:52	1
Selenium	4.3	U	4.3	0.43	mg/Kg	☼	11/09/12 13:45	11/10/12 19:52	1
Silver	0.54	U	0.54	0.22	mg/Kg	☼	11/09/12 13:45	11/10/12 19:52	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022	U	0.022	0.0091	mg/Kg	☼	11/09/12 08:50	11/09/12 12:00	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-25 3'
Date Collected: 11/07/12 14:50
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-6
Matrix: Solid
Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.37	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.82	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
1,1,2-Trichloroethane	5.0	U	5.0	0.66	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
1,1-Dichloroethene	5.0	U	5.0	0.62	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.31	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
1,2-Dibromoethane	5.0	U	5.0	0.65	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
1,4-Dichlorobenzene	5.0	U	5.0	0.71	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
2-Hexanone	25	U	25	2.5	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.7	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Acetone	**4.8**	**J**	25	4.2	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Benzene	5.0	U	5.0	0.25	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Bromodichloromethane	5.0	U	5.0	0.68	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Bromoform	5.0	U	5.0	2.5	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Carbon tetrachloride	5.0	U	5.0	0.49	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Chlorobenzene	5.0	U	5.0	0.67	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Dibromochloromethane	5.0	U	5.0	0.65	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Chloroform	5.0	U	5.0	0.31	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.65	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.73	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Cyclohexane	5.0	U	5.0	0.71	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Dichlorodifluoromethane	5.0	U	5.0	0.42	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Isopropylbenzene	5.0	U	5.0	0.76	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Methyl acetate	5.0	U	5.0	0.94	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Methylcyclohexane	5.0	U	5.0	0.77	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Styrene	5.0	U	5.0	0.25	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Tetrachloroethene	5.0	U	5.0	0.68	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Toluene	5.0	U	5.0	0.38	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Trichlorofluoromethane	5.0	U	5.0	0.48	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1
Xylenes, Total	10	U	10	0.85	ug/Kg	☼	11/14/12 10:43	11/14/12 12:43	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-25 3'

Date Collected: 11/07/12 14:50
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-6

Matrix: Solid
Percent Solids: 87.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*37*		*74 - 127*	*116l46l2 1904/*	*116l46l2 1204/*	*1*
5oluene-dT (Surr)	*T/*		*81 - 12:*	*116l46l2 1904/*	*116l46l2 1204/*	*1*
4-Bromofluorobenzene (Surr)	*T8*		*82 - 127*	*116l46l2 1904/*	*116l46l2 1204/*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	190	U	190	12	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
bis (2-chloroisopropyl) ether	190	U	190	20	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
2,4,5-Trichlorophenol	190	U	190	42	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
2,4,6-Trichlorophenol	190	U	190	13	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
2,4-Dichlorophenol	190	U	190	10	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
2,4-Dimethylphenol	190	U	190	52	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
2,4-Dinitrophenol	380	U	380	68	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
2,4-Dinitrotoluene	190	U	190	30	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
2,6-Dinitrotoluene	190	U	190	47	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
2-Chloronaphthalene	190	U	190	13	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
2-Chlorophenol	190	U	190	9.8	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
2-Methylnaphthalene	190	U	190	2.3	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
2-Methylphenol	190	U	190	5.9	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
2-Nitroaniline	380	U	380	62	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
2-Nitrophenol	190	U	190	8.8	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
3,3'-Dichlorobenzidine	190	U	190	170	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
3-Nitroaniline	380	U	380	44	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
4,6-Dinitro-2-methylphenol	380	U	380	67	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
4-Bromophenyl phenyl ether	190	U	190	61	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
4-Chloro-3-methylphenol	190	U	190	7.9	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
4-Chloroaniline	190	U	190	57	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
4-Chlorophenyl phenyl ether	190	U	190	4.1	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
4-Methylphenol	380	U	380	11	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
4-Nitroaniline	380	U	380	22	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
4-Nitrophenol	380	U	380	47	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Acenaphthene	**9.1**	**J**	190	2.3	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Acenaphthylene	190	U	190	1.6	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Acetophenone	190	U	190	9.9	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Anthracene	**14**	**J**	190	4.9	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Atrazine	190	U	190	8.6	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Benzaldehyde	190	U	190	21	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Benzo(a)anthracene	**140**	**J**	190	3.3	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Benzo(a)pyrene	**150**	**J**	190	4.7	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Benzo(b)fluoranthene	**180**	**J**	190	3.7	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Benzo(g,h,i)perylene	**110**	**J**	190	2.3	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Benzo(k)fluoranthene	190	U	190	2.1	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Bis(2-chloroethoxy)methane	190	U	190	10	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Bis(2-chloroethyl)ether	190	U	190	17	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Bis(2-ethylhexyl) phthalate	190	U	190	62	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Butyl benzyl phthalate	190	U	190	52	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Caprolactam	190	U	190	83	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Carbazole	**11**	**J**	190	2.2	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Chrysene	**130**	**J**	190	1.9	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Di-n-butyl phthalate	190	U	190	67	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-25 3'

Date Collected: 11/07/12 14:50
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-6

Matrix: Solid
Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	190	U	190	4.5	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Dibenz(a,h)anthracene	190	U	190	2.3	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Dibenzofuran	190	U	190	2.0	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Diethyl phthalate	190	U	190	5.8	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Dimethyl phthalate	190	U	190	5.0	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Fluoranthene	**160**	**J**	190	2.8	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Fluorene	190	U	190	4.4	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Hexachlorobenzene	190	U	190	9.6	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Hexachlorobutadiene	190	U	190	9.9	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Hexachlorocyclopentadiene	190	U	190	58	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Hexachloroethane	190	U	190	15	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Indeno(1,2,3-cd)pyrene	**100**	**J**	190	5.3	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Isophorone	190	U	190	9.6	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
N-Nitrosodi-n-propylamine	190	U	190	15	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
N-Nitrosodiphenylamine	190	U	190	11	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Naphthalene	190	U	190	3.2	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Nitrobenzene	190	U	190	8.6	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Pentachlorophenol	380	U	380	66	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Phenanthrene	**43**	**J**	190	4.0	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Phenol	**32**	**J**	190	20	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1
Pyrene	**210**		190	1.2	ug/Kg	☼	11/13/12 08:24	11/15/12 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,7-5ribromophenol	*197*		*/ 3 - 147*	*1161/ 6/2 9T024*	*1161: 6/2 29021*	*1*
2-Fluorobiphenyl	*T2*		*/ 8 - 129*	*1161/ 6/2 9T024*	*1161: 6/2 29021*	*1*
2-Fluorophenol	*7:*		*1T - 129*	*1161/ 6/2 9T024*	*1161: 6/2 29021*	*1*
Nitrobenzene-d:	*T/*		*/ 4 - 1/ 2*	*1161/ 6/2 9T024*	*1161: 6/2 29021*	*1*
p-5erphenyl-d14	*3T*		*7: - 1: /*	*1161/ 6/2 9T024*	*1161: 6/2 29021*	*1*
Phenol-d:	*88*		*11 - 129*	*1161/ 6/2 9T024*	*1161: 6/2 29021*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.8**		2.3	0.45	mg/Kg	☼	11/09/12 13:45	11/10/12 19:55	1
Barium	**41.5**		0.57	0.12	mg/Kg	☼	11/09/12 13:45	11/10/12 19:55	1
Cadmium	**0.15**	**J**	0.23	0.034	mg/Kg	☼	11/09/12 13:45	11/10/12 19:55	1
Chromium	**16.4**		0.57	0.23	mg/Kg	☼	11/09/12 13:45	11/10/12 19:55	1
Lead	**12.6**		1.1	0.27	mg/Kg	☼	11/09/12 13:45	11/10/12 19:55	1
Selenium	4.5	U	4.5	0.45	mg/Kg	☼	11/09/12 13:45	11/10/12 19:55	1
Silver	0.57	U	0.57	0.23	mg/Kg	☼	11/09/12 13:45	11/10/12 19:55	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.015**	**J**	0.021	0.0085	mg/Kg	☼	11/09/12 08:50	11/09/12 12:07	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-26 12'
Date Collected: 11/07/12 15:40
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-7
Matrix: Solid
Percent Solids: 92.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.4	U	4.4	0.32	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
1,1,2,2-Tetrachloroethane	4.4	U	4.4	0.71	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
1,1,2-Trichloroethane	4.4	U	4.4	0.57	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.4	U	4.4	0.99	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
1,1-Dichloroethane	4.4	U	4.4	0.53	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
1,1-Dichloroethene	4.4	U	4.4	0.53	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
1,2,4-Trichlorobenzene	4.4	U	4.4	0.27	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
1,2-Dibromo-3-Chloropropane	4.4	U	4.4	2.2	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
1,2-Dibromoethane	4.4	U	4.4	0.56	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
1,2-Dichlorobenzene	4.4	U	4.4	0.34	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
1,2-Dichloroethane	4.4	U	4.4	0.22	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
1,2-Dichloropropane	4.4	U	4.4	2.2	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
1,3-Dichlorobenzene	4.4	U	4.4	0.22	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
1,4-Dichlorobenzene	4.4	U	4.4	0.61	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
2-Hexanone	22	U	22	2.2	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
2-Butanone (MEK)	**6.8**	**J**	22	1.6	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
4-Methyl-2-pentanone (MIBK)	22	U	22	1.4	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Acetone	**27**		22	3.7	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Benzene	4.4	U	4.4	0.21	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Bromodichloromethane	4.4	U	4.4	0.58	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Bromoform	4.4	U	4.4	2.2	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Bromomethane	4.4	U	4.4	0.39	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Carbon disulfide	4.4	U	4.4	2.2	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Carbon tetrachloride	4.4	U	4.4	0.42	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Chlorobenzene	4.4	U	4.4	0.58	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Dibromochloromethane	4.4	U	4.4	0.56	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Chloroethane	4.4	U	4.4	0.99	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Chloroform	4.4	U	4.4	0.27	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Chloromethane	4.4	U	4.4	0.26	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
cis-1,2-Dichloroethene	4.4	U	4.4	0.56	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
cis-1,3-Dichloropropene	4.4	U	4.4	0.63	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Cyclohexane	4.4	U	4.4	0.61	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Dichlorodifluoromethane	4.4	U	4.4	0.36	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Ethylbenzene	**1.6**	**J**	4.4	0.30	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Isopropylbenzene	4.4	U	4.4	0.66	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Methyl acetate	4.4	U	4.4	0.81	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Methyl tert-butyl ether	4.4	U	4.4	0.43	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Methylcyclohexane	4.4	U	4.4	0.66	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Methylene Chloride	4.4	U	4.4	2.0	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Styrene	4.4	U	4.4	0.22	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Tetrachloroethene	**8.6**		4.4	0.59	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Toluene	4.4	U	4.4	0.33	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
trans-1,2-Dichloroethene	4.4	U	4.4	0.45	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
trans-1,3-Dichloropropene	4.4	U	4.4	1.9	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Trichloroethene	4.4	U	4.4	0.96	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Trichlorofluoromethane	4.4	U	4.4	0.41	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Vinyl chloride	4.4	U	4.4	0.53	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1
Xylenes, Total	8.7	U	8.7	0.73	ug/Kg	☼	11/14/12 15:55	11/15/12 00:54	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-26 12'

Date Collected: 11/07/12 15:40
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-7

Matrix: Solid
Percent Solids: 92.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*199*		*74 - 127*	*116l46l2 1: 0 :*	*116l: 6l2 990 4*	*1*
5oluene-dT (Surr)	*39*		*81 - 12:*	*116l46l2 1: 0 :*	*116l: 6l2 990 4*	*1*
4-Bromofluorobenzene (Surr)	*7T*	*X*	*82 - 127*	*116l46l2 1: 0 :*	*116l: 6l2 990 4*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	3600	U	3600	220	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
bis (2-chloroisopropyl) ether	3600	U	3600	370	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
2,4,5-Trichlorophenol	3600	U	3600	770	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
2,4,6-Trichlorophenol	3600	U	3600	230	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
2,4-Dichlorophenol	3600	U	3600	190	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
2,4-Dimethylphenol	3600	U	3600	960	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
2,4-Dinitrophenol	6900	U	6900	1200	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
2,4-Dinitrotoluene	3600	U	3600	550	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
2,6-Dinitrotoluene	3600	U	3600	870	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
2-Chloronaphthalene	3600	U	3600	240	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
2-Chlorophenol	3600	U	3600	180	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
2-Methylnaphthalene	3600	U	3600	43	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
2-Methylphenol	3600	U	3600	110	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
2-Nitroaniline	6900	U	6900	1100	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
2-Nitrophenol	3600	U	3600	160	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
3,3'-Dichlorobenzidine	3600	U	3600	3100	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
3-Nitroaniline	6900	U	6900	820	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
4,6-Dinitro-2-methylphenol	6900	U	6900	1200	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
4-Bromophenyl phenyl ether	3600	U	3600	1100	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
4-Chloro-3-methylphenol	3600	U	3600	150	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
4-Chloroaniline	3600	U	3600	1000	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
4-Chlorophenyl phenyl ether	3600	U	3600	76	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
4-Methylphenol	6900	U	6900	200	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
4-Nitroaniline	6900	U	6900	400	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
4-Nitrophenol	6900	U	6900	860	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Acenaphthene	3600	U	3600	42	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Acenaphthylene	3600	U	3600	29	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Acetophenone	3600	U	3600	180	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Anthracene	3600	U	3600	91	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Atrazine	3600	U	3600	160	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Benzaldehyde	3600	U	3600	390	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Benzo(a)anthracene	3600	U	3600	61	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Benzo(a)pyrene	3600	U	3600	85	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Benzo(b)fluoranthene	3600	U	3600	69	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Benzo(g,h,i)perylene	3600	U	3600	43	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Benzo(k)fluoranthene	3600	U	3600	39	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Bis(2-chloroethoxy)methane	3600	U	3600	190	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Bis(2-chloroethyl)ether	3600	U	3600	310	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Bis(2-ethylhexyl) phthalate	**1400**	**J**	3600	1100	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Butyl benzyl phthalate	3600	U	3600	950	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Caprolactam	3600	U	3600	1500	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Carbazole	3600	U	3600	41	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Chrysene	3600	U	3600	35	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Di-n-butyl phthalate	3600	U	3600	1200	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-26 12'

Date Collected: 11/07/12 15:40
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-7

Matrix: Solid
Percent Solids: 92.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	3600	U	3600	83	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Dibenz(a,h)anthracene	3600	U	3600	42	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Dibenzofuran	3600	U	3600	37	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Diethyl phthalate	3600	U	3600	110	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Dimethyl phthalate	3600	U	3600	93	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Fluoranthene	3600	U	3600	51	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Fluorene	3600	U	3600	82	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Hexachlorobenzene	3600	U	3600	180	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Hexachlorobutadiene	3600	U	3600	180	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Hexachlorocyclopentadiene	3600	U	3600	1100	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Hexachloroethane	3600	U	3600	270	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Indeno(1,2,3-cd)pyrene	3600	U	3600	98	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Isophorone	3600	U	3600	180	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
N-Nitrosodi-n-propylamine	3600	U	3600	280	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
N-Nitrosodiphenylamine	3600	U	3600	190	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Naphthalene	3600	U	3600	59	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Nitrobenzene	3600	U	3600	160	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Pentachlorophenol	6900	U	6900	1200	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Phenanthrene	3600	U	3600	74	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Phenol	3600	U	3600	370	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20
Pyrene	3600	U	3600	23	ug/Kg	☼	11/13/12 08:24	11/16/12 13:47	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,7-5ribromophenol	*32*		*/ 3 - 147*	*1161/ 6/2 9T024*	*1161 76/2 1/ 048*	*29*
2-Fluorobiphenyl	*37*		*/ 8 - 129*	*1161/ 6/2 9T024*	*1161 76/2 1/ 048*	*29*
2-Fluorophenol	*81*		*1T - 129*	*1161/ 6/2 9T024*	*1161 76/2 1/ 048*	*29*
Nitrobenzene-d:	*T2*		*/ 4 - 1/ 2*	*1161/ 6/2 9T024*	*1161 76/2 1/ 048*	*29*
p-5erphenyl-d14	*191*		*7: - 1: /*	*1161/ 6/2 9T024*	*1161 76/2 1/ 048*	*29*
Phenol-d:	*8:*		*11 - 129*	*1161/ 6/2 9T024*	*1161 76/2 1/ 048*	*29*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**5500**	**H**	360	110	mg/Kg	☼	11/28/12 07:10	11/30/12 10:53	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-5erphenyl	*1T9*	*X*	*4T - 12:*	*1162T6/2 980/9*	*116/ 96/2 190 /*	*29*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.5**		2.2	0.44	mg/Kg	☼	11/09/12 13:45	11/10/12 19:57	1
Barium	**54.3**		0.55	0.12	mg/Kg	☼	11/09/12 13:45	11/10/12 19:57	1
Cadmium	**0.086**	**J**	0.22	0.033	mg/Kg	☼	11/09/12 13:45	11/10/12 19:57	1
Chromium	**5.2**		0.55	0.22	mg/Kg	☼	11/09/12 13:45	11/10/12 19:57	1
Lead	**3.7**		1.1	0.26	mg/Kg	☼	11/09/12 13:45	11/10/12 19:57	1
Selenium	4.4	U	4.4	0.44	mg/Kg	☼	11/09/12 13:45	11/10/12 19:57	1
Silver	0.55	U	0.55	0.22	mg/Kg	☼	11/09/12 13:45	11/10/12 19:57	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	U	0.020	0.0083	mg/Kg	☼	11/09/12 08:50	11/09/12 12:05	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-27 12'

Date Collected: 11/07/12 17:10
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-18

Matrix: Solid
Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.1	U	4.1	0.30	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
1,1,2,2-Tetrachloroethane	4.1	U	4.1	0.67	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
1,1,2-Trichloroethane	4.1	U	4.1	0.54	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.1	U	4.1	0.94	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
1,1-Dichloroethane	4.1	U	4.1	0.50	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
1,1-Dichloroethene	4.1	U	4.1	0.51	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
1,2,4-Trichlorobenzene	4.1	U	4.1	0.25	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
1,2-Dibromo-3-Chloropropane	4.1	U	4.1	2.1	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
1,2-Dibromoethane	4.1	U	4.1	0.53	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
1,2-Dichlorobenzene	4.1	U	4.1	0.32	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
1,2-Dichloroethane	4.1	U	4.1	0.21	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
1,2-Dichloropropane	4.1	U	4.1	2.1	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
1,3-Dichlorobenzene	4.1	U	4.1	0.21	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
1,4-Dichlorobenzene	4.1	U	4.1	0.58	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
2-Hexanone	21	U	21	2.1	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
2-Butanone (MEK)	**9.2**	**J**	21	1.5	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
4-Methyl-2-pentanone (MIBK)	21	U	21	1.4	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Acetone	**83**		21	3.5	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Benzene	4.1	U	4.1	0.20	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Bromodichloromethane	4.1	U	4.1	0.55	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Bromoform	4.1	U	4.1	2.1	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Bromomethane	4.1	U	4.1	0.37	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Carbon disulfide	4.1	U	4.1	2.1	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Carbon tetrachloride	4.1	U	4.1	0.40	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Chlorobenzene	4.1	U	4.1	0.55	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Dibromochloromethane	4.1	U	4.1	0.53	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Chloroethane	4.1	U	4.1	0.93	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Chloroform	4.1	U	4.1	0.26	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Chloromethane	4.1	U	4.1	0.25	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
cis-1,2-Dichloroethene	4.1	U	4.1	0.53	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
cis-1,3-Dichloropropene	4.1	U	4.1	0.60	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Cyclohexane	4.1	U	4.1	0.58	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Dichlorodifluoromethane	4.1	U	4.1	0.34	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Ethylbenzene	4.1	U	4.1	0.29	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Isopropylbenzene	**2.1**	**J**	4.1	0.62	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Methyl acetate	**6.7**		4.1	0.77	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Methyl tert-butyl ether	4.1	U	4.1	0.41	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Methylcyclohexane	4.1	U	4.1	0.63	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Methylene Chloride	4.1	U	4.1	1.9	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Styrene	4.1	U	4.1	0.21	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Tetrachloroethene	4.1	U	4.1	0.56	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Toluene	4.1	U	4.1	0.31	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
trans-1,2-Dichloroethene	4.1	U	4.1	0.43	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
trans-1,3-Dichloropropene	4.1	U	4.1	1.8	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Trichloroethene	4.1	U	4.1	0.91	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Trichlorofluoromethane	4.1	U	4.1	0.39	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Vinyl chloride	4.1	U	4.1	0.50	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1
Xylenes, Total	8.3	U	8.3	0.69	ug/Kg	☼	11/14/12 10:43	11/14/12 13:34	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-27 12'

Date Collected: 11/07/12 17:10
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-18

Matrix: Solid
Percent Solids: 86.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*3T*		*74 - 127*	*116l46l2 190l4/*	*116l46l2 1/ 0 4*	*1*
5oluene-dT (Surr)	*T:*		*81 - 12:*	*116l46l2 190l4/*	*116l46l2 1/ 0 4*	*1*
4-Bromofluorobenzene (Surr)	*TT*		*82 - 127*	*116l46l2 190l4/*	*116l46l2 1/ 0 4*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	**39**	**J**	200	12	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
bis (2-chloroisopropyl) ether	200	U	200	20	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
2,4,5-Trichlorophenol	200	U	200	43	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
2,4,6-Trichlorophenol	200	U	200	13	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
2,4-Dichlorophenol	200	U	200	10	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
2,4-Dimethylphenol	200	U	200	53	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
2,4-Dinitrophenol	380	U	380	69	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
2,4-Dinitrotoluene	200	U	200	30	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
2,6-Dinitrotoluene	200	U	200	48	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
2-Chloronaphthalene	200	U	200	13	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
2-Chlorophenol	200	U	200	10	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
2-Methylnaphthalene	**230**		200	2.4	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
2-Methylphenol	200	U	200	6.0	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
2-Nitroaniline	380	U	380	63	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
2-Nitrophenol	200	U	200	9.0	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
3,3'-Dichlorobenzidine	200	U	200	170	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
3-Nitroaniline	380	U	380	45	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
4,6-Dinitro-2-methylphenol	380	U	380	68	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
4-Bromophenyl phenyl ether	200	U	200	62	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
4-Chloro-3-methylphenol	200	U	200	8.1	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
4-Chloroaniline	200	U	200	57	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
4-Chlorophenyl phenyl ether	200	U	200	4.2	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
4-Methylphenol	380	U	380	11	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
4-Nitroaniline	380	U	380	22	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
4-Nitrophenol	380	U	380	47	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Acenaphthene	**45**	**J**	200	2.3	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Acenaphthylene	200	U	200	1.6	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Acetophenone	**19**	**J**	200	10	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Anthracene	200	U	200	5.0	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Atrazine	200	U	200	8.7	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Benzaldehyde	200	U	200	21	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Benzo(a)anthracene	200	U	200	3.4	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Benzo(a)pyrene	200	U	200	4.7	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Benzo(b)fluoranthene	200	U	200	3.8	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Benzo(g,h,i)perylene	200	U	200	2.3	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Benzo(k)fluoranthene	200	U	200	2.2	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Bis(2-chloroethoxy)methane	200	U	200	11	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Bis(2-chloroethyl)ether	200	U	200	17	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Bis(2-ethylhexyl) phthalate	200	U	200	63	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Butyl benzyl phthalate	200	U	200	53	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Caprolactam	**340**		200	85	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Carbazole	200	U	200	2.3	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Chrysene	200	U	200	2.0	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Di-n-butyl phthalate	200	U	200	68	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solid

TestAmerica Job ID: 480-28095-1

Client Sample ID: PH-27 12'

Date Collected: 11/07/12 17:10
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-18

Matrix: Solid
Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	200	U	200	4.6	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Dibenz(a,h)anthracene	200	U	200	2.3	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Dibenzofuran	**48**	**J**	200	2.0	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Diethyl phthalate	200	U	200	5.9	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Dimethyl phthalate	200	U	200	5.1	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Fluoranthene	**120**	**J**	200	2.8	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Fluorene	**98**	**J**	200	4.5	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Hexachlorobenzene	200	U	200	9.7	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Hexachlorobutadiene	200	U	200	10	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Hexachlorocyclopentadiene	200	U	200	59	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Hexachloroethane	200	U	200	15	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Indeno(1,2,3-cd)pyrene	200	U	200	5.4	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Isophorone	200	U	200	9.8	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
N-Nitrosodi-n-propylamine	200	U	200	16	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
N-Nitrosodiphenylamine	200	U	200	11	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Naphthalene	**71**	**J**	200	3.3	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Nitrobenzene	200	U	200	8.7	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Pentachlorophenol	380	U	380	67	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Phenanthrene	**410**		200	4.1	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Phenol	200	U	200	21	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1
Pyrene	**150**	**J**	200	1.3	ug/Kg	☼	11/13/12 08:24	11/15/12 23:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,7-5ribromophenol	*11:*		*/ 3 - 147*	*1161/ 6/2 9T024*	*1161: 6/2 2/ 0 2*	*1*
2-Fluorobiphenyl	*37*		*/ 8 - 129*	*1161/ 6/2 9T024*	*1161: 6/2 2/ 0 2*	*1*
2-Fluorophenol	*8:*		*1T - 129*	*1161/ 6/2 9T024*	*1161: 6/2 2/ 0 2*	*1*
Nitrobenzene-d:	*191*		*/ 4 - 1/ 2*	*1161/ 6/2 9T024*	*1161: 6/2 2/ 0 2*	*1*
p-5erphenyl-d14	*38*		*7: - 1: /*	*1161/ 6/2 9T024*	*1161: 6/2 2/ 0 2*	*1*
Phenol-d:	*TT*		*11 - 129*	*1161/ 6/2 9T024*	*1161: 6/2 2/ 0 2*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.7**		2.6	0.51	mg/Kg	☼	11/09/12 13:45	11/10/12 20:21	1
Barium	**47.2**		0.64	0.14	mg/Kg	☼	11/09/12 13:45	11/10/12 20:21	1
Cadmium	**0.13**	**J**	0.26	0.038	mg/Kg	☼	11/09/12 13:45	11/10/12 20:21	1
Chromium	**23.4**		0.64	0.26	mg/Kg	☼	11/09/12 13:45	11/10/12 20:21	1
Lead	**2.4**		1.3	0.31	mg/Kg	☼	11/09/12 13:45	11/10/12 20:21	1
Selenium	5.1	U	5.1	0.51	mg/Kg	☼	11/09/12 13:45	11/10/12 20:21	1
Silver	0.64	U	0.64	0.26	mg/Kg	☼	11/09/12 13:45	11/10/12 20:21	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022	U	0.022	0.0089	mg/Kg	☼	11/09/12 08:50	11/09/12 12:20	1

Surrogate Summary

I nieLt: TT, . ILcP
j ro/ectSMte: g a9La Mte - Mori5

TestAmerica Job ID: 480-28076-C

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	TOL	BFB
Lab Sample ID	Client Sample ID	(64-126)	(71-125)	(72-126)
480-28076-C	j H-C1 4'	C00	80	84
480-28076-2	j H-C8 8'	77	8C	83
480-28076-p	j H-C7 CC'	71	80	86
480-28076-4	j H-20 4'	7p	86	8C
480-28076-6	j H-22 3'	74	8p	84
480-28076-3	j H-26 p'	73	8p	81
480-28076-1	j H-23 C2'	C00	70	38 B
480-28076-C8	j H-21 C2'	78	86	88
, I M480-7010pS4	, ab I oLtronMamhre	81	8p	86
, I M480-701129S4	, ab I oLtronMamhre	74	82	83
, I M480-7078C34	, ab I oLtronMamhre	77	86	88
g d 480-7010pS21	g etko5 draLE	71	88	87
g d 480-701129S6	g etko5 draLE	83	82	82
g d 480-7078C36	g etko5 draLE	73	88	87

Surrogate Legend

C2DI = (C.2-Dickroroetka Le-54 uM) rrO
TF , (Tor) eLe-58 uM) rrO
d f d (4-dromozn) orobeLXeLe uM) rrO

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPH	PHL
Lab Sample ID	Client Sample ID	(39-146)	(37-120)	(18-120)	(34-132)	(65-153)	(11-120)
480-28076-C	j H-C1 4'	78	17	38	82	81	18
480-28076-2	j H-C8 8'	C03	8p	36	86	88	16
480-28076-p	j H-C7 CC'	CC0	87	1C	78	70	8C
480-28076-4	j H-20 4'	86	18	64	32	7p	61
480-28076-6	j H-22 3'	CCC	83	37	87	76	82
480-28076-3	j H-26 p'	C03	82	36	8p	78	11
480-28076-1	j H-23 C2'	72	73	1C	82	C0C	16
480-28076-C8	j H-21 C2'	CC6	73	16	C0C	71	88
, I M480-706045S2-A	, ab I oLtronMamhre	CC6	72	8p	78	C00	74
g d 480-706045C-A	g etko5 draLE	C0p	8C	10	86	87	82

Surrogate Legend

Tdj (2.4.3-TribromohkeLon
f dj (2-f r) orobihkeLyn
2f j (2-f r) orohkeLon
NdZ (NitrobeLXeLe-56
Tj H (h-TerhkeLyn-5C4
j H, (j keLon-56

Surrogate Summary

I nieLt: TT, . ILcP
j ro/ectSMte: g a9La Mte - Mori5

TestAmerica Job ID: 480-28076-C

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**OTPH1 (48-125)**							
480-28076-4	j H-20 4'	207 B							
480-28076-1	j H-23 C2'	C80 B							
480-28076-1 g M	j H-23 C2'	72							
480-28076-1 g MD	j H-23 C2'	147 B							
, I M480-7p047S2-A	, ab I oLtronMamhre	73							
g d 480-7p047SC-A	g etko5 dnaLE	8C							

Surrogate Legend

F Tj H (o-TerhkeLyn

TestAmerica d) zzano

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

Lab Sample ID: MB 480-9070x/27
MatriP: Solid
FnalNsis Batch: 9070x

Client Sample ID: Method Blank
Trep yNpe: yotal/AF

FnalNte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	FnalNUed	Dil zac
C.C.C-Tric5roroet5aLe	6R0	U	6R0	0R3u	K1S 1			OCS3S2 23:33	C
C.C.2.2-Tetrac5roroet5aLe	6R0	U	6R0	0R8C	K1S 1			OCS3S2 23:33	C
C.C.2-Tric5roroet5aLe	6R0	U	6R0	0Ru6	K1S 1			OCS3S2 23:33	C
C.C.2-Tric5roro-C.2.2-trizKoroet5aLe	6R0	U	6R0	CR0	K1S 1			OCS3S2 23:33	C
C.C-Dic5roroet5aLe	6R0	U	6R0	0RuC	K1S 1			OCS3S2 23:33	C
C.C-Dic5roroet5eLe	6R0	U	6R0	0RuC	K1S 1			OCS3S2 23:33	C
C.2.4-Tric5rorobeLpeLe	6R0	U	6R0	0R30	K1S 1			OCS3S2 23:33	C
C.2-Dibromo-3-I 5roro9ro9aLe	6R0	U	6R0	2R6	K1S 1			OCS3S2 23:33	C
C.2-Dibromoet5aLe	6R0	U	6R0	0Ru4	K1S 1			OCS3S2 23:33	C
C.2-Dic5rorobeLpeLe	6R0	U	6R0	0R37	K1S 1			OCS3S2 23:33	C
C.2-Dic5roroet5aLe	6R0	U	6R0	0R26	K1S 1			OCS3S2 23:33	C
C.2-Dic5roro9ro9aLe	6R0	U	6R0	2R6	K1S 1			OCS3S2 23:33	C
C.3-Dic5rorobeLpeLe	6R0	U	6R0	0R2u	K1S 1			OCS3S2 23:33	C
C.4-Dic5rorobeLpeLe	6R0	U	6R0	0RH0	K1S 1			OCS3S2 23:33	C
2-x eBaLoLe	26	U	26	2R6	K1S 1			OCS3S2 23:33	C
2-(KtaLoLe Eg) f y	26	U	26	CR8	K1S 1			OCS3S2 23:33	C
4-g et5dn2-9eLtaLoLe Eg I(f y	26	U	26	CRu	K1S 1			OCS3S2 23:33	C
AcetoLe	26	U	26	4R2	K1S 1			OCS3S2 23:33	C
(eLpeLe	6R0	U	6R0	0R26	K1S 1			OCS3S2 23:33	C
(romohic5roromet5aLe	6R0	U	6R0	0RuH	K1S 1			OCS3S2 23:33	C
(romozorm	6R0	U	6R0	2R6	K1S 1			OCS3S2 23:33	C
(romomet5aLe	6R0	U	6R0	0R46	K1S 1			OCS3S2 23:33	C
I arboL hisKrihe	6R0	U	6R0	2R6	K1S 1			OCS3S2 23:33	C
I arboL tetrac5rorihe	6R0	U	6R0	0R48	K1S 1			OCS3S2 23:33	C
I 5rorobeLpeLe	6R0	U	6R0	0Ru	K1S 1			OCS3S2 23:33	C
Dibromoc5roromet5aLe	6R0	U	6R0	0Ru4	K1S 1			OCS3S2 23:33	C
I 5roroet5aLe	6R0	U	6R0	CR0	K1S 1			OCS3S2 23:33	C
I 5rorozorm	6R0	U	6R0	0R3C	K1S 1			OCS3S2 23:33	C
I 5roromet5aLe	6R0	U	6R0	0R30	K1S 1			OCS3S2 23:33	C
cis-C.2-Dic5roroet5eLe	6R0	U	6R0	0Ru4	K1S 1			OCS3S2 23:33	C
cis-C.3-Dic5roro9ro9eLe	6R0	U	6R0	0RH2	K1S 1			OCS3S2 23:33	C
I dcro5eBaLe	6R0	U	6R0	0RH0	K1S 1			OCS3S2 23:33	C
Dic5rorohizKoromet5aLe	6R0	U	6R0	0R4C	K1S 1			OCS3S2 23:33	C
) t5drbeLpeLe	6R0	U	6R0	0R36	K1S 1			OCS3S2 23:33	C
Iso9ro9drbeLpeLe	6R0	U	6R0	0RH6	K1S 1			OCS3S2 23:33	C
g et5dnacetate	6R0	U	6R0	0R73	K1S 1			OCS3S2 23:33	C
g et5dntert-bKtdnet5er	6R0	U	6R0	0R47	K1S 1			OCS3S2 23:33	C
g et5drcdcro5eBaLe	6R0	U	6R0	0RHu	K1S 1			OCS3S2 23:33	C
g et5dreLe I 5rorihe	6R0	U	6R0	2R3	K1S 1			OCS3S2 23:33	C
MtdreLe	6R0	U	6R0	0R26	K1S 1			OCS3S2 23:33	C
Tetrac5roroet5eLe	6R0	U	6R0	0RuH	K1S 1			OCS3S2 23:33	C
TorKeLe	6R0	U	6R0	0R38	K1S 1			OCS3S2 23:33	C
traLs-C.2-Dic5roroet5eLe	6R0	U	6R0	0R62	K1S 1			OCS3S2 23:33	C
traLs-C.3-Dic5roro9ro9eLe	6R0	U	6R0	2R2	K1S 1			OCS3S2 23:33	C
Tric5roroet5eLe	6R0	U	6R0	CR0	K1S 1			OCS3S2 23:33	C
Tric5rorozKoromet5aLe	6R0	U	6R0	0R4H	K1S 1			OCS3S2 23:33	C
ViLdnc5rorihe	6R0	U	6R0	0RuC	K1S 1			OCS3S2 23:33	C
XdreLes. Totan	C0	U	C0	0R84	K1S 1			OCS3S2 23:33	C

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

Lab Sample ID: MB 480-9070x/27
MatriP: Solid
FnalNsis Batch: 9070x

Client Sample ID: Method Blank
Trep yNpe: yotal/AF

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		64 - 126		11/10/12 20:00	1
Toluene-d8 (Surr)	88		71 - 125		11/10/12 20:00	1
4-Bromofluorobenzene (Surr)	89		72 - 126		11/10/12 20:00	1

Lab Sample ID: LCS 480-9070x/4
MatriP: Solid
FnalNsis Batch: 9070x

Client Sample ID: Lab Control Sample
Trep yNpe: yotal/AF

FnalNte	Spike Fdded	LCS Result	LCS Quali%er	f nit	D	. Rec	. Rec3 Limits
C.C-Dic5roroet5aLe	60P0	4HP0		K1S3 1		74	H3 - C2u
C.C-Dic5roroet5eLe	60P0	43P6		K1S3 1		8H	67 - C26
C.2-Dic5rorobeLpeLe	60P0	4uP3		K1S3 1		73	H6 - C20
C.2-Dic5roroet5aLe	60P0	63P0		K1S3 1		C0u	HH - C22
(eLpeLe	60P0	44PH		K1S3 1		87	H7 - C2H
I 5rorobeLpeLe	60P0	46P4		K1S3 1		7C	Hu - C24
cis-C.2-Dic5roroet5eLe	60P0	46PH		K1S3 1		7C	8C - CCH
) t5drbeLpeLe	60P0	46P7		K1S3 1		72	80 - C20
g et5dntert-bKtdnet5er	60P0	47P7		K1S3 1		C00	u3 - C26
Tetrac5roroet5eLe	60P0	4uP0		K1S3 1		72	H4 - C22
TorKeLe	60P0	44P2		K1S3 1		88	H4 - C28
traLs-C.2-Dic5roroet5eLe	60P0	44PH		K1S3 1		H8	H8 - C2u
Tric5roroet5eLe	60P0	46P7		K1S3 1		72	HH - C27

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	87		64 - 126
Toluene-d8 (Surr)	80		71 - 125
4-Bromofluorobenzene (Surr)	85		72 - 126

Lab Sample ID: MB 480-90772/1
MatriP: Solid
FnalNsis Batch: 90772

Client Sample ID: Method Blank
Trep yNpe: yotal/AF

FnalNte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	FnalNUed	Dil zac
C.C.C-Tric5roroet5aLe	6P0	U	6P0	0P3u	K1S3 1			CCS4S2 CC:C6	C
C.C.2.2-Tetrac5roroet5aLe	6P0	U	6P0	0P8C	K1S3 1			CCS4S2 CC:C6	C
C.C.2-Tric5roroet5aLe	6P0	U	6P0	0Pu6	K1S3 1			CCS4S2 CC:C6	C
C.C.2-Tric5roro-C.2.2-trizKoroet5aLe	6P0	U	6P0	CPC	K1S3 1			CCS4S2 CC:C6	C
C.C-Dic5roroet5aLe	6P0	U	6P0	0PuC	K1S3 1			CCS4S2 CC:C6	C
C.C-Dic5roroet5eLe	6P0	U	6P0	0PuC	K1S3 1			CCS4S2 CC:C6	C
C.2.4-Tric5rorobeLpeLe	6P0	U	6P0	0P30	K1S3 1			CCS4S2 CC:C6	C
C.2-Dibromo-3-I 5roro9ro9aLe	6P0	U	6P0	2P6	K1S3 1			CCS4S2 CC:C6	C
C.2-Dibromoet5aLe	6P0	U	6P0	0Pu4	K1S3 1			CCS4S2 CC:C6	C
C.2-Dic5rorobeLpeLe	6P0	U	6P0	0P37	K1S3 1			CCS4S2 CC:C6	C
C.2-Dic5roroet5aLe	6P0	U	6P0	0P26	K1S3 1			CCS4S2 CC:C6	C
C.2-Dic5roro9ro9aLe	6P0	U	6P0	2P6	K1S3 1			CCS4S2 CC:C6	C
C.3-Dic5rorobeLpeLe	6P0	U	6P0	0P2u	K1S3 1			CCS4S2 CC:C6	C
C.4-Dic5rorobeLpeLe	6P0	U	6P0	0PH0	K1S3 1			CCS4S2 CC:C6	C
2-x eBaLoLe	26	U	26	2P6	K1S3 1			CCS4S2 CC:C6	C

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

Lab Sample ID: MB 480-90772/1
MatriP: Solid
F nalNsis Batch: 90772

Client Sample ID: Method Blank
Trep yNpe: yotal/AF

F nalNte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	F nalNUed	Dil zac
2-(KtaLoLe Eg) f y	26	U	26	CP3	K1S 1			CCS4S2 CC:C6	C
4-g et5dn2-9eLtaLoLe Eg I(f y	26	U	26	CRu	K1S 1			CCS4S2 CC:C6	C
AcetoLe	26	U	26	4F2	K1S 1			CCS4S2 CC:C6	C
(eLpeLe	6F0	U	6F0	0F26	K1S 1			CCS4S2 CC:C6	C
(romohic5roromet5aLe	6F0	U	6F0	0RuH	K1S 1			CCS4S2 CC:C6	C
(romozorm	6F0	U	6F0	2F6	K1S 1			CCS4S2 CC:C6	C
(romomet5aLe	6F0	U	6F0	0F46	K1S 1			CCS4S2 CC:C6	C
I arboL hisKrzihe	6F0	U	6F0	2F6	K1S 1			CCS4S2 CC:C6	C
I arboL tetrac5rorihe	6F0	U	6F0	0F48	K1S 1			CCS4S2 CC:C6	C
I 5rorobeLpeLe	6F0	U	6F0	0Ruu	K1S 1			CCS4S2 CC:C6	C
Dibromoc5roromet5aLe	6F0	U	6F0	0Ru4	K1S 1			CCS4S2 CC:C6	C
I 5rorroet5aLe	6F0	U	6F0	CRC	K1S 1			CCS4S2 CC:C6	C
I 5rorozorm	6F0	U	6F0	0F3C	K1S 1			CCS4S2 CC:C6	C
I 5rorromet5aLe	6F0	U	6F0	0F30	K1S 1			CCS4S2 CC:C6	C
cis-C.2-Dic5rorroet5eLe	6F0	U	6F0	0Ru4	K1S 1			CCS4S2 CC:C6	C
cis-C.3-Dic5rorro9ro9eLe	6F0	U	6F0	0FH2	K1S 1			CCS4S2 CC:C6	C
I dcro5eBaLe	6F0	U	6F0	0FH0	K1S 1			CCS4S2 CC:C6	C
Dic5rorohizrKoromet5aLe	6F0	U	6F0	0F4C	K1S 1			CCS4S2 CC:C6	C
) t5drbeLpeLe	6F0	U	6F0	0F36	K1S 1			CCS4S2 CC:C6	C
Iso9ro9drbeLpeLe	6F0	U	6F0	0FH6	K1S 1			CCS4S2 CC:C6	C
g et5dnacetate	6F0	U	6F0	0F73	K1S 1			CCS4S2 CC:C6	C
g et5dntert-bKtdnet5er	6F0	U	6F0	0F47	K1S 1			CCS4S2 CC:C6	C
g et5drcdcro5eBaLe	6F0	U	6F0	0FHu	K1S 1			CCS4S2 CC:C6	C
g et5dreLe I 5rorihe	6F0	U	6F0	2F3	K1S 1			CCS4S2 CC:C6	C
MtdreLe	6F0	U	6F0	0F26	K1S 1			CCS4S2 CC:C6	C
Tetrac5rroet5eLe	6F0	U	6F0	0RuH	K1S 1			CCS4S2 CC:C6	C
TorKeLe	6F0	U	6F0	0F38	K1S 1			CCS4S2 CC:C6	C
traLs-C.2-Dic5rroet5eLe	6F0	U	6F0	0F62	K1S 1			CCS4S2 CC:C6	C
traLs-C.3-Dic5rorro9ro9eLe	6F0	U	6F0	2F2	K1S 1			CCS4S2 CC:C6	C
Tric5rroet5eLe	6F0	U	6F0	CRC	K1S 1			CCS4S2 CC:C6	C
Tric5rrozrKoromet5aLe	6F0	U	6F0	0F4H	K1S 1			CCS4S2 CC:C6	C
ViLdnc5rorihe	6F0	U	6F0	0RuC	K1S 1			CCS4S2 CC:C6	C
XdreLes. Totan	C0	U	C0	0F34	K1S 1			CCS4S2 CC:C6	C

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*64 - 126*		*11/14/12 11:15*	*1*
Toluene-d8 (Surr)	*82*		*71 - 125*		*11/14/12 11:15*	*1*
4-Bromofluorobenzene (Surr)	*82*		*72 - 126*		*11/14/12 11:15*	*1*

Lab Sample ID: LCS 480-90772/4
MatriP: Solid
F nalNsis Batch: 90772

Client Sample ID: Lab Control Sample
Trep yNpe: yotal/AF

F nalNte			Spike F dded	LCS Result	LCS Quali%er	f nit	D	. Rec	. Rec3 Limits		
C.C-Dic5rroet5aLe			60F0	60F0		K1S 1		C00	H3 - C2u		
C.C-Dic5rroet5eLe			60F0	46F4		K1S 1		7C	67 - C26		
C.2-Dic5rrobeLpeLe			60F0	60F3		K1S 1		C0C	H6 - C20		
C.2-Dic5rroet5aLe			60F0	67F4		K1S 1		CC7	HH - C22		

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

Lab Sample ID: LCS 480-90772/4
MatriP: Solid
FnalNsis Batch: 90772

Client Sample ID: Lab Control Sample
Trep yNpe: yotal/AF

FnalNte	Spike Fdded	LCS Result	LCS Quali%er	f nit	D	. Rec	. Rec3 Limits
(eLpeLe	60F0	48F0		K1S3 1		7u	H7 - C2H
I 5rorobeLpeLe	60F0	48FC		K1S3 1		7u	Hu - C24
cis-C.2-Dic5rroet5eLe	60F0	47F2		K1S3 1		78	8C - CCH
) t5drbeLpeLe	60F0	4HF7		K1S3 1		7u	80 - C20
g et5dntert-bKtdnet5er	60F0	62F6		K1S3 1		C06	u3 - C26
Tetrac5rroet5eLe	60F0	48FC		K1S3 1		7u	H4 - C22
TorKeLe	60F0	4uF4		K1S3 1		73	H4 - C28
traLs-C.2-Dic5rroet5eLe	60F0	48F8		K1S3 1		78	H8 - C2u
Tric5rroet5eLe	60F0	47F6		K1S3 1		77	HH - C27

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*64 - 126*
Toluene-d8 (Surr)	*82*		*71 - 125*
4-Bromofluorobenzene (Surr)	*86*		*72 - 126*

Lab Sample ID: MB 480-90985/1
MatriP: Solid
FnalNsis Batch: 90985

Client Sample ID: Method Blank
Trep yNpe: yotal/AF

FnalNte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	FnalNUed	Dil zac
C.C.C-Tric5rroet5aLe	6F0	U	6F0	0F3u	K1S3 1			CCS4S2 23:2H	C
C.C.2.2-Tetrac5rroet5aLe	6F0	U	6F0	0F8C	K1S3 1			CCS4S2 23:2H	C
C.C.2-Tric5rroet5aLe	6F0	U	6F0	0F16	K1S3 1			CCS4S2 23:2H	C
C.C.2-Tric5rro-C.2.2-trizKoroet5aLe	6F0	U	6F0	CF2	K1S3 1			CCS4S2 23:2H	C
C.C-Dic5rroet5aLe	6F0	U	6F0	0F1C	K1S3 1			CCS4S2 23:2H	C
C.C-Dic5rroet5eLe	6F0	U	6F0	0F1C	K1S3 1			CCS4S2 23:2H	C
C.2.4-Tric5rrobeLpeLe	6F0	U	6F0	0F30	K1S3 1			CCS4S2 23:2H	C
C.2-Dibromo-3-I 5rro9ro9aLe	6F0	U	6F0	2F6	K1S3 1			CCS4S2 23:2H	C
C.2-Dibromoet5aLe	6F0	U	6F0	0F14	K1S3 1			CCS4S2 23:2H	C
C.2-Dic5rrobeLpeLe	6F0	U	6F0	0F37	K1S3 1			CCS4S2 23:2H	C
C.2-Dic5rroet5aLe	6F0	U	6F0	0F26	K1S3 1			CCS4S2 23:2H	C
C.2-Dic5rro9ro9aLe	6F0	U	6F0	2F6	K1S3 1			CCS4S2 23:2H	C
C.3-Dic5rrobeLpeLe	6F0	U	6F0	0F2u	K1S3 1			CCS4S2 23:2H	C
C.4-Dic5rrobeLpeLe	6F0	U	6F0	0FH0	K1S3 1			CCS4S2 23:2H	C
2-x eBaLoLe	26	U	26	2F6	K1S3 1			CCS4S2 23:2H	C
2-(KtaLoLe Eg) f y	26	U	26	CF8	K1S3 1			CCS4S2 23:2H	C
4-g et5dn2-9eLtaLoLe Eg I(f y	26	U	26	CF1	K1S3 1			CCS4S2 23:2H	C
AcetoLe	26	U	26	4F2	K1S3 1			CCS4S2 23:2H	C
(eLpeLe	6F0	U	6F0	0F26	K1S3 1			CCS4S2 23:2H	C
(romohic5rromet5aLe	6F0	U	6F0	0F1H	K1S3 1			CCS4S2 23:2H	C
(romozorm	6F0	U	6F0	2F6	K1S3 1			CCS4S2 23:2H	C
(romomet5aLe	6F0	U	6F0	0F46	K1S3 1			CCS4S2 23:2H	C
I arboL hisKrihe	6F0	U	6F0	2F6	K1S3 1			CCS4S2 23:2H	C
I arboL tetrac5rrihe	6F0	U	6F0	0F48	K1S3 1			CCS4S2 23:2H	C
I 5rrobeLpeLe	6F0	U	6F0	0F1u	K1S3 1			CCS4S2 23:2H	C
Dibromoc5rromet5aLe	6F0	U	6F0	0F14	K1S3 1			CCS4S2 23:2H	C
I 5rroet5aLe	6F0	U	6F0	CF2	K1S3 1			CCS4S2 23:2H	C
I 5rrozorm	6F0	U	6F0	0F3C	K1S3 1			CCS4S2 23:2H	C

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

Lab Sample ID: MB 480-90985/1
MatriP: Solid
F nalNsis Batch: 90985

Client Sample ID: Method Blank
Trep yNpe: yotal/AF

F nalNte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	F nalNUed	Dil zac
I 5rromet5aLe	6F0	U	6F0	0F30	K1S 1			CCS4SC2 23:2H	C
cis-C.2-Dic5rroet5eLe	6F0	U	6F0	0R14	K1S 1			CCS4SC2 23:2H	C
cis-C.3-Dic5rro9ro9eLe	6F0	U	6F0	0FH2	K1S 1			CCS4SC2 23:2H	C
I dcro5eBaLe	6F0	U	6F0	0FH0	K1S 1			CCS4SC2 23:2H	C
Dic5rrohizrKoromet5aLe	6F0	U	6F0	0F4C	K1S 1			CCS4SC2 23:2H	C
) t5drbeLpeLe	6F0	U	6F0	0F36	K1S 1			CCS4SC2 23:2H	C
Iso9ro9drbeLpeLe	6F0	U	6F0	0FH6	K1S 1			CCS4SC2 23:2H	C
g et5dnacetate	6F0	U	6F0	0F73	K1S 1			CCS4SC2 23:2H	C
g et5dntert-bKtdnet5er	6F0	U	6F0	0F47	K1S 1			CCS4SC2 23:2H	C
g et5drcdcro5eBaLe	6F0	U	6F0	0FHu	K1S 1			CCS4SC2 23:2H	C
g et5dreLe I 5rorihe	6F0	U	6F0	2F3	K1S 1			CCS4SC2 23:2H	C
MtdreLe	6F0	U	6F0	0F26	K1S 1			CCS4SC2 23:2H	C
Tetrac5rroet5eLe	6F0	U	6F0	0RuH	K1S 1			CCS4SC2 23:2H	C
TorKeLe	6F0	U	6F0	0F38	K1S 1			CCS4SC2 23:2H	C
traLs-C.2-Dic5rroet5eLe	6F0	U	6F0	0F62	K1S 1			CCS4SC2 23:2H	C
traLs-C.3-Dic5rro9ro9eLe	6F0	U	6F0	2F2	K1S 1			CCS4SC2 23:2H	C
Tric5rroet5eLe	6F0	U	6F0	CFC	K1S 1			CCS4SC2 23:2H	C
Tric5rrozrKoromet5aLe	6F0	U	6F0	0F4H	K1S 1			CCS4SC2 23:2H	C
ViLdnc5rrihe	6F0	U	6F0	0RuC	K1S 1			CCS4SC2 23:2H	C
XdreLes. Totan	C0	U	C0	0F84	K1S 1			CCS4SC2 23:2H	C

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*64 - 126*		*11/14/12 20:27*	*1*
Toluene-d8 (Surr)	*88*		*71 - 125*		*11/14/12 20:27*	*1*
4-Bromofluorobenzene (Surr)	*89*		*72 - 126*		*11/14/12 20:27*	*1*

Lab Sample ID: LCS 480-90985/4
MatriP: Solid
F nalNsis Batch: 90985

Client Sample ID: Lab Control Sample
Trep yNpe: yotal/AF

F nalNte			Spike F dded	LCS Result	LCS Quali%er	f nit	D	. Rec	. Rec3 Limits		
C.C-Dic5rroet5aLe			60F0	60FH		K1S 1		C0C	H3 - C2u		
C.C-Dic5rroet5eLe			60F0	48Ru		K1S 1		7H	67 - C26		
C.2-Dic5rrobeLpeLe			60F0	48F7		K1S 1		78	H6 - C20		
C.2-Dic5rroet5aLe			60F0	u0F6		K1S 1		C2C	HH - C22		
(eLpeLe			60F0	48F3		K1S 1		7H	H7 - C2H		
I 5rrobeLpeLe			60F0	4HF2		K1S 1		74	Hu - C24		
cis-C.2-Dic5rroet5eLe			60F0	47F7		K1S 1		C00	8C - CCH		
) t5drbeLpeLe			60F0	48F2		K1S 1		7u	80 - C20		
g et5dntert-bKtdnet5er			60F0	6uF7		K1S 1		CC4	u3 - C26		
Tetrac5rroet5eLe			60F0	47F8		K1S 1		C00	H4 - C22		
TorKeLe			60F0	4uF4		K1S 1		73	H4 - C28		
traLs-C.2-Dic5rroet5eLe			60F0	48F3		K1S 1		7H	H8 - C2u		
Tric5rroet5eLe			60F0	60F7		K1S 1		C02	HH - C27		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*64 - 126*

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

Lab Sample ID: LCS 480-90985/4
MatriP: Solid
F nalNsis Batch: 90985

Client Sample ID: Lab Control Sample
Trep yNpe: yotal/AF

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*85*		*71 - 125*
4-Bromofluorobenzene (Surr)	*88*		*72 - 126*

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

Lab Sample ID: MB 480-90104/5-F
MatriP: Solid
F nalNsis Batch: 90929

Client Sample ID: Method Blank
Trep yNpe: yotal/AF
Trep Batch: 90104

F nalNte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	F nalNUed	Dil zac
(i95eLdn	CH0	U	CH0	C0	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
bis E2-c5roroiso9ro9dryet5er	CH0	U	CH0	CH	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
2.4.6-Tric5roro95eLon	CH0	U	CH0	3u	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
2.4.u-Tric5roro95eLon	CH0	U	CH0	CC	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
2.4-Dic5roro95eLon	CH0	U	CH0	8F3	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
2.4-Dimet5dr95eLon	CH0	U	CH0	46	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
2.4-DiLitro95eLon	330	U	330	68	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
2.4-DiLitrotorKeLe	CH0	U	CH0	2u	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
2.u-DiLitrotorKeLe	CH0	U	CH0	4C	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
2-I 5roroLa95t5areLe	CH0	U	CH0	CC	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
2-I 5roro95eLon	CH0	U	CH0	8F6	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
2-g et5drLa95t5areLe	CH0	U	CH0	2F0	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
2-g et5dr95eLon	CH0	U	CH0	6FC	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
2-NitroaLiniLe	330	U	330	64	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
2-Nitro95eLon	CH0	U	CH0	HRu	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
3.3'-Dic5rorobeLpihiLe	CH0	U	CH0	C60	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
3-NitroaLiniLe	330	U	330	38	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
4.u-DiLitro-2-met5dr95eLon	330	U	330	68	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
4-(romo95eLdn95eLdnet5er	CH0	U	CH0	63	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
4-I 5roro-3-met5dr95eLon	CH0	U	CH0	uF7	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
4-I 5roroaLiniLe	CH0	U	CH0	47	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
4-I 5roro95eLdn95eLdnet5er	CH0	U	CH0	3Ru	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
4-g et5dr95eLon	330	U	330	7F3	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
4-NitroaLiniLe	330	U	330	C7	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
4-Nitro95eLon	330	U	330	4C	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
AceLa95t5eLe	CH0	U	CH0	2F0	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
AceLa95t5dreLe	CH0	U	CH0	CF4	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
Aceto95eLoLe	CH0	U	CH0	8Ru	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
ALt5raceLe	CH0	U	CH0	4F3	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
AtrapiLe	CH0	U	CH0	HF4	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
(eLparne5dhe	CH0	U	CH0	C8	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
(eLpoEayaLt5raceLe	CH0	U	CH0	2F7	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
(eLpoEay9dreLe	CH0	U	CH0	4F0	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
(eLpoEbyzKoraLt5eLe	CH0	U	CH0	3F2	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
(eLpoE1.5.iy9erdreLe	CH0	U	CH0	2F0	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
(eLpoEkyzKoraLt5eLe	CH0	U	CH0	CF8	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
(isE2-c5roroet5oBdymet5aLe	CH0	U	CH0	7FC	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
(isE2-c5roroet5dryet5er	CH0	U	CH0	C4	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C

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

Lab Sample ID: MB 480-90104/5-F
MatriP: Solid
FnalNsis Batch: 90929

Client Sample ID: Method Blank
Trep yNpe: yotal/AF
Trep Batch: 90104

FnalNte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	FnalNUed	Dil zac
(isE2-et5dr5eBdry95t5arate	CH0	U	CH0	64	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
(KtdnbeLpdn95t5arate	CH0	U	CH0	46	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
I a9roractam	CH0	U	CH0	H2	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
I arbapore	CH0	U	CH0	CF7	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
I 5rdseLe	CH0	U	CH0	CPH	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
Di-L-bKtdn95t5arate	CH0	U	CH0	68	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
Di-L-octdn95t5arate	CH0	U	CH0	3F7	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
DibeLpEa.5yaLt5raceLe	CH0	U	CH0	2P0	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
DibeLpozKraL	CH0	U	CH0	CPH	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
Diet5dn95t5arate	CH0	U	CH0	6PC	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
Dimet5dn95t5arate	CH0	U	CH0	4P4	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
FnKoraLt5eLe	CH0	U	CH0	2P4	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
FnKoreLe	CH0	U	CH0	3F7	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
x eBac5rorobeLpeLe	CH0	U	CH0	8P3	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
x eBac5rorobKtahieLe	CH0	U	CH0	8Pu	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
x eBac5rorocdcro9eLtahieLe	CH0	U	CH0	6C	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
x eBac5roroet5aLe	CH0	U	CH0	C3	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
ILheLoEC.2.3-chy9dreLe	CH0	U	CH0	4Pu	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
Iso95oroLe	CH0	U	CH0	8P4	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
N-Nitrosohi-L-9ro9dramiLe	CH0	U	CH0	C3	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
N-Nitrosohi95eLdramiLe	CH0	U	CH0	7PC	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
Na95t5areLe	CH0	U	CH0	2P3	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
NitrobeLpeLe	CH0	U	CH0	HP4	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
j eLtac5rorro95eLon	330	U	330	6H	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
j 5eLaLt5reLe	CH0	U	CH0	3P6	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
j 5eLon	CH0	U	CH0	C8	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C
j dreLe	CH0	U	CH0	CPC	K1S 1		CCS3S2 08:24	CCS6S2 C0:03	C

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*130*		*09 - 146*	*11/10/12 38:24*	*11/15/12 13:30*	*1*
2-Fluorobiphenyl	*81*		*07 - 123*	*11/10/12 38:24*	*11/15/12 13:30*	*1*
2-Fluorophenol	*73*		*18 - 123*	*11/10/12 38:24*	*11/15/12 13:30*	*1*
Nitrobenzene-d5	*85*		*04 - 102*	*11/10/12 38:24*	*11/15/12 13:30*	*1*
p-Terphenyl-d14	*89*		*65 - 150*	*11/10/12 38:24*	*11/15/12 13:30*	*1*
Phenol-d5	*82*		*11 - 123*	*11/10/12 38:24*	*11/15/12 13:30*	*1*

Lab Sample ID: LCS 480-90104/2-F
MatriP: Solid
FnalNsis Batch: 90929

Client Sample ID: Lab Control Sample
Trep yNpe: yotal/AF
Trep Batch: 90104

FnalNte	Spike Fdded	LCS Result	LCS Quali%er	f nit	D	. Rec	. Rec3 Limits
2.4-DiLitrotorKeLe	2u60	2H70		K1S 1		C06	66 - C26
2-I 5rorro95eLon	2u60	23u0		K1S 1		87	38 - C20
4-I 5rorro-3-met5dr95eLon	2u60	2880		K1S 1		C07	47 - C26
4-Nitro95eLon	2u60	2u70		K1S 1		C0C	43 - C3H
AceLa95t5eLe	2u60	2630		K1S 1		76	63 - C20
(isE2-et5dr5eBdry95t5arate	2u60	30H0		K1S 1		C0u	uC - C33
FnKoreLe	2u60	2HC0		K1S 1		C02	u3 - C2u

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

Lab Sample ID: LCS 480-90104/2-F — **Client Sample ID: Lab Control Sample**
MatriP: Solid — **Trep yNpe: yotal/AF**
FnalNsis Batch: 90929 — **Trep Batch: 90104**

FnalNte			Spike Fdded	LCS Result	LCS Quali%er	f nit	D	. Rec	. Rec3 Limits		
x eBac5roroet5aLe			2u60	2380		K1S 1		70	4C - C20		
N-Nitrosohi-L-9ro9dramiLe			2u60	2680		K1S 1		7H	4u - C20		
j eLtac5rorro95eLon			2u60	2uH0		K1S 1		C0C	33 - C3u		
j 5eLon			2u60	2460		K1S 1		72	3u - C20		
j dreLe			2u60	2HH0		K1S 1		C04	6C - C33		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*115*		*09 - 146*
2-Fluorobiphenyl	*92*		*07 - 123*
2-Fluorophenol	*80*		*18 - 123*
Nitrobenzene-d5	*98*		*04 - 102*
p-Terphenyl-d14	*133*		*65 - 150*
Phenol-d5	*94*		*11 - 123*

Method: 8051B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 480-9x049/5-F — **Client Sample ID: Method Blank**
MatriP: Solid — **Trep yNpe: yotal/AF**
FnalNsis Batch: 9x281 — **Trep Batch: 9x049**

FnalNte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	FnalNUed	Dil zac
DiesenRaL1e Or1aLics [I C0-I 28]	CH	U	CH	6P0	m1S 1		CCS28S12 0H:C0	CCS27S12 08:68	C

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*48 - 125*	*11/28/12 37:13*	*11/29/12 38:58*	*1*

Lab Sample ID: LCS 480-9x049/2-F — **Client Sample ID: Lab Control Sample**
MatriP: Solid — **Trep yNpe: yotal/AF**
FnalNsis Batch: 9x281 — **Trep Batch: 9x049**

FnalNte			Spike Fdded	LCS Result	LCS Quali%er	f nit	D	. Rec	. Rec3 Limits		
DiesenRaL1e Or1aLics [I C0-I 28]			47P0	4uPC		m1S 1		73	48 - C36		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*96*		*48 - 125*

Lab Sample ID: 480-28091-7 MS — **Client Sample ID: TH-26 52'**
MatriP: Solid — **Trep yNpe: yotal/AF**
FnalNsis Batch: 9x281 — **Trep Batch: 9x049**

FnalNte	Sample Result	Sample Quali%er	Spike Fdded	MS Result	MS Quali%er	f nit	D	. Rec	. Rec3 Limits		
DiesenRaL1e Or1aLics [I C0-I 28]	6600	x	63PC	3400	x 4	m1S 1	☼	-3700	48 - C36		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*92*		*48 - 125*

Method: 8051B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 480-28091-7 MSD — **Client Sample ID: TH-26 52'**
MatriP: Solid — **Trep yNpe: yotal/AF**
FnalNsis Batch: 9x281 — **Trep Batch: 9x049**

FnalNte	Sample Result	Sample Quali%er	Spike Fdded	MSD Result	MSD Quali%er	f nit	D	. Rec	. Rec3 Limits	RTD	RTD Limit
DiesenRaL1e Or1aLics [I C0-I 28]	6600	x	63PH	4u40	x 4	m1S 1	☼	-C660	48 - C36	3C	36

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*749*	*X*	*48 - 125*

Method: 6050B - Metals (ICT)

Lab Sample ID: MB 480-89948/5-F — **Client Sample ID: Method Blank**
MatriP: Solid — **Trep yNpe: yotal/AF**
FnalNsis Batch: 90x05 — **Trep Batch: 89948**

FnalNte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	FnalNUed	Dil zac
ArseLic	CP3	U	CP3	0P3H	m1S 1		CCS07SS2 C3:46	CCS00SS2 C7:26	C
(ariKm	0P4u	U	0P4u	0PC0	m1S 1		CCS07SS2 C3:46	CCS00SS2 C7:26	C
I ahmiKm	0PC8	U	0PC8	0P028	m1S 1		CCS07SS2 C3:46	CCS00SS2 C7:26	C
I 5romiKm	0P4u	U	0P4u	0PC8	m1S 1		CCS07SS2 C3:46	CCS00SS2 C7:26	C
, eah	0P72	U	0P72	0P22	m1S 1		CCS07SS2 C3:46	CCS00SS2 C7:26	C
MereLiKm	3PH	U	3PH	0P3H	m1S 1		CCS07SS2 C3:46	CCS00SS2 C7:26	C
Mnver	0P4u	U	0P4u	0PC8	m1S 1		CCS07SS2 C3:46	CCS00SS2 C7:26	C

Lab Sample ID: LCSSRM 480-89948/2-F — **Client Sample ID: Lab Control Sample**
MatriP: Solid — **Trep yNpe: yotal/AF**
FnalNsis Batch: 90x05 — **Trep Batch: 89948**

FnalNte	Spike Fdded	LCSSRM Result	LCSSRM Quali%er	f nit	D	. Rec	. Rec3 Limits
ArseLic	C84	C64P7		m1S 1		84P0	u4P3 - CCHP8
(ariKm	u2u	C87PH		m1S 1		30P3	24P8 - 43P0
I ahmiKm	CC2	76Pu6		m1S 1		86Pu	HuP7 - C0uP3
I 5romiKm	360	C06PC		m1S 1		30P0	23Pu - 43P7
, eah	H6P6	H4P8H		m1S 1		77P2	u7PH - C33P4
MereLiKm	C40	CCuP7		m1S 1		83PH	u0PC - C20PH
Mnver	46P0	3HPuH		m1S 1		83P8	u2PC - C26PH

Lab Sample ID: 480-28091-x MS — **Client Sample ID: TH-59 55'**
MatriP: Solid — **Trep yNpe: yotal/AF**
FnalNsis Batch: 90x05 — **Trep Batch: 89948**

FnalNte	Sample Result	Sample Quali%er	Spike Fdded	MS Result	MS Quali%er	f nit	D	. Rec	. Rec3 Limits
ArseLic	2P7		48P3	48P6C		m1S 1	☼	74	H6 - C26
(ariKm	36Pu		48P3	H8P04		m1S 1	☼	88	H6 - C26
I ahmiKm	0P082	J	48P3	4uP40		m1S 1	☼	7u	H6 - C26
I 5romiKm	22P0		48P3	uuP30		m1S 1	☼	72	H6 - C26
, eah	HP7		48P3	63P67		m1S 1	☼	76	H6 - C26

Method: 6050B - Metals (ICT) (Continued)

Lab Sample ID: 480-28091-x MS — **Client Sample ID: TH-59 55'**
MatriP: Solid — **Trep yNpe: yotal/AF**
FnalNsis Batch: 90x05 — **Trep Batch: 89948**

FnalNte	Sample Result	Sample Quali%er	Spike Fdded	MS Result	MS Quali%er	f nit	D	. Rec	. Rec3 Limits		
MereLiKm	4PH	U	48P3	43PC7		m1S 1	☼	87	H6 - C26		
Mirver	0P67	U	C2PC	CCP16		m1S 1	☼	7u	H6 - C26		

Lab Sample ID: 480-28091-x MSD — **Client Sample ID: TH-59 55'**
MatriP: Solid — **Trep yNpe: yotal/AF**
FnalNsis Batch: 90x05 — **Trep Batch: 89948**

FnalNte	Sample Result	Sample Quali%er	Spike Fdded	MSD Result	MSD Quali%er	f nit	D	. Rec	. Rec3 Limits	RTD	RTD Limit
ArseLic	2P7		4HPH	4uPH6		m1S 1	☼	72	H6 - C26	4	20
(ariKm	36Pu		4HPH	H8Pu		m1S 1	☼	70	H6 - C26	C	20
I ahmiKm	0P082	J	4HPH	44Pu		m1S 1	☼	73	H6 - C26	4	20
I 5romiKm	22P0		4HPH	u3P06		m1S 1	☼	8u	H6 - C26	6	20
, eah	HP7		4HPH	67P88		m1S 1	☼	C07	H6 - C26	CC	20
MereLiKm	4PH	U	4HPH	4CP88		m1S 1	☼	8H	H6 - C26	4	20
Mirver	0P67	U	CCP7	CCPC3		m1S 1	☼	73	H6 - C26	6	20

Method: 7475F - MercurN(CVFF)

Lab Sample ID: MB 480-89868/5-F — **Client Sample ID: Method Blank**
MatriP: Solid — **Trep yNpe: yotal/AF**
FnalNsis Batch: 89916 — **Trep Batch: 89868**

FnalNte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	FnalNUed	Dil zac
g ercKrd	0P020	U	0P020	0P008C	m1S 1		CCS07S22 08:60	CCS07S22 CC:44	C

Lab Sample ID: LCSSRM 480-89868/2-F — **Client Sample ID: Lab Control Sample**
MatriP: Solid — **Trep yNpe: yotal/AF**
FnalNsis Batch: 89916 — **Trep Batch: 89868**

FnalNte			Spike Fdded	LCSSRM Result	LCSSRM Quali%er	f nit	D	. Rec	. Rec3 Limits		
g ercKrd			3PHH	3P32		m1S 1		88P2	HCPu - C28P 4		

Lab Sample ID: 480-28091-5 MS — **Client Sample ID: TH-57 4'**
MatriP: Solid — **Trep yNpe: yotal/AF**
FnalNsis Batch: 89916 — **Trep Batch: 89868**

FnalNte	Sample Result	Sample Quali%er	Spike Fdded	MS Result	MS Quali%er	f nit	D	. Rec	. Rec3 Limits		
g ercKrd	0P02H		0P8C3	0PH7C		m1S 1	☼	74	H6 - C26		

Lab Sample ID: 480-28091-5 MSD — **Client Sample ID: TH-57 4'**
MatriP: Solid — **Trep yNpe: yotal/AF**
FnalNsis Batch: 89916 — **Trep Batch: 89868**

FnalNte	Sample Result	Sample Quali%er	Spike Fdded	MSD Result	MSD Quali%er	f nit	D	. Rec	. Rec3 Limits	RTD	RTD Limit
g ercKrd	0P02H		0PH68	0PuH7		m1S 1	☼	8u	H6 - C26	C6	20

GC/MS VOA

Analysis Batch: 90703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-C	j 1-CH 4'	Total/NA	MoriB	82903	70HC8
480-28076-2	j 1-C8 8'	Total/NA	MoriB	82903	70HC8
480-28076-5	j 1-C7 CC'	Total/NA	MoriB	82903	70HC8
, I M480-70H05S4	, ab I oLtronVampre	Total/NA	MoriB	82903	
g 3 480-70H05S2H	g ethoB 3 raLk	Total/NA	MoriB	82903	

Prep Batch: 90718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-C	j 1-CH 4'	Total/NA	MoriB	6056	
480-28076-2	j 1-C8 8'	Total/NA	MoriB	6056	
480-28076-5	j 1-C7 CC'	Total/NA	MoriB	6056	
480-28076-4	j 1-20 4'	Total/NA	MoriB	6056	

Analysis Batch: 90772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-4	j 1-20 4'	Total/NA	MoriB	82903	70HC8
480-28076-6	j 1-22 9'	Total/NA	MoriB	82903	7082C
480-28076-9	j 1-26 5'	Total/NA	MoriB	82903	7082C
480-28076-C8	j 1-2H C2'	Total/NA	MoriB	82903	7082C
, I M480-70H-2S4	, ab I oLtronVampre	Total/NA	MoriB	82903	
g 3 480-70H-2S6	g ethoB 3 raLk	Total/NA	MoriB	82903	

Prep Batch: 90821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-6	j 1-22 9'	Total/NA	MoriB	6056	
480-28076-9	j 1-26 5'	Total/NA	MoriB	6056	
480-28076-H	j 1-29 C2'	Total/NA	MoriB	6056	
480-28076-C8	j 1-2H C2'	Total/NA	MoriB	6056	

Analysis Batch: 90981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-H	j 1-29 C2'	Total/NA	MoriB	82903	7082C
, I M480-7078C S4	, ab I oLtronVampre	Total/NA	MoriB	82903	
g 3 480-7078C S6	g ethoB 3 raLk	Total/NA	MoriB	82903	

GC/MS Semi VOA

Prep Batch: 90504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-C	j 1-CH 4'	Total/NA	MoriB	56603	
480-28076-2	j 1-C8 8'	Total/NA	MoriB	56603	
480-28076-5	j 1-C7 CC'	Total/NA	MoriB	56603	
480-28076-4	j 1-20 4'	Total/NA	MoriB	56603	
480-28076-6	j 1-22 9'	Total/NA	MoriB	56603	
480-28076-9	j 1-26 5'	Total/NA	MoriB	56603	
480-28076-H	j 1-29 C2'	Total/NA	MoriB	56603	
480-28076-C8	j 1-2H C2'	Total/NA	MoriB	56603	
, I M480-70604S2-A	, ab I oLtronVampre	Total/NA	MoriB	56603	
g 3 480-70604S C-A	g ethoB 3 raLk	Total/NA	MoriB	56603	

GC/MS Semi VOA (Continued)

Analysis Batch: 90929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
, I M480-70604S2-A	, ab I oLtronVampre	TotarSNA	MoriB	82H0I	70604
g 3 480-70604SC-A	g ethoB 3 raLk	TotarSNA	MoriB	82H0I	70604

Analysis Batch: 91130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-C	j 1-CH4'	TotarSNA	MoriB	82H0I	70604
480-28076-2	j 1-C8 8'	TotarSNA	MoriB	82H0I	70604
480-28076-5	j 1-C7 CC'	TotarSNA	MoriB	82H0I	70604
480-28076-6	j 1-22 9'	TotarSNA	MoriB	82H0I	70604
480-28076-9	j 1-26 5'	TotarSNA	MoriB	82H0I	70604
480-28076-C8	j 1-2H C2'	TotarSNA	MoriB	82H0I	70604

Analysis Batch: 91235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-4	j 1-20 4'	TotarSNA	MoriB	82H0I	70604
480-28076-H	j 1-29 C2'	TotarSNA	MoriB	82H0I	70604

GC Semi VOA

Prep Batch: 93049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-4	j 1-20 4'	TotarSNA	MoriB	56603	
480-28076-H	j 1-29 C2'	TotarSNA	MoriB	56603	
480-28076-Hg M	j 1-29 C2'	TotarSNA	MoriB	56603	
480-28076-Hg MD	j 1-29 C2'	TotarSNA	MoriB	56603	
, I M480-75047S2-A	, ab I oLtronVampre	TotarSNA	MoriB	56603	
g 3 480-75047SC-A	g ethoB 3 raLk	TotarSNA	MoriB	56603	

Analysis Batch: 93285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-4	j 1-20 4'	TotarSNA	MoriB	80C63	75047
480-28076-H	j 1-29 C2'	TotarSNA	MoriB	80C63	75047
480-28076-Hg M	j 1-29 C2'	TotarSNA	MoriB	80C63	75047
480-28076-Hg MD	j 1-29 C2'	TotarSNA	MoriB	80C63	75047
, I M480-75047S2-A	, ab I oLtronVampre	TotarSNA	MoriB	80C63	75047
g 3 480-75047SC-A	g ethoB 3 raLk	TotarSNA	MoriB	80C63	75047

Metals

Prep Batch: 89868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-C	j 1-CH4'	TotarSNA	MoriB	H4HCA	
480-28076-Cg M	j 1-CH4'	TotarSNA	MoriB	H4HCA	
480-28076-Cg MD	j 1-CH4'	TotarSNA	MoriB	H4HCA	
480-28076-2	j 1-C8 8'	TotarSNA	MoriB	H4HCA	
480-28076-5	j 1-C7 CC'	TotarSNA	MoriB	H4HCA	
480-28076-4	j 1-20 4'	TotarSNA	MoriB	H4HCA	
480-28076-6	j 1-22 9'	TotarSNA	MoriB	H4HCA	
480-28076-9	j 1-26 5'	TotarSNA	MoriB	H4HCA	
480-28076-H	j 1-29 C2'	TotarSNA	MoriB	H4HCA	

Metals (Continued)

Prep Batch: 89868 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-C8	j 1-2H C2'	Totan3NA	MoriB	H4HCA	
, I MMRg 480-87898S2-A	, ab I oLtronMampre	Totan3NA	MoriB	H4HCA	
g 3 480-87898SC-A	g ethoB 3 raLk	Totan3NA	MoriB	H4HCA	

Prep Batch: 89948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-C	j 1-CH 4'	Totan3NA	MoriB	50603	
480-28076-2	j 1-C8 8'	Totan3NA	MoriB	50603	
480-28076-5	j 1-C7 CC'	Totan3NA	MoriB	50603	
480-28076-5 g M	j 1-C7 CC'	Totan3NA	MoriB	50603	
480-28076-5 g MD	j 1-C7 CC'	Totan3NA	MoriB	50603	
480-28076-4	j 1-20 4'	Totan3NA	MoriB	50603	
480-28076-6	j 1-22 9'	Totan3NA	MoriB	50603	
480-28076-9	j 1-26 5'	Totan3NA	MoriB	50603	
480-28076-H	j 1-29 C2'	Totan3NA	MoriB	50603	
480-28076-C8	j 1-2H C2'	Totan3NA	MoriB	50603	
, I MMRg 480-87748S2-A	, ab I oLtronMampre	Totan3NA	MoriB	50603	
g 3 480-87748SC-A	g ethoB 3 raLk	Totan3NA	MoriB	50603	

Analysis Batch: 89956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-C	j 1-CH 4'	Totan3NA	MoriB	H4HCA	87898
480-28076-C g M	j 1-CH 4'	Totan3NA	MoriB	H4HCA	87898
480-28076-C g MD	j 1-CH 4'	Totan3NA	MoriB	H4HCA	87898
480-28076-2	j 1-C8 8'	Totan3NA	MoriB	H4HCA	87898
480-28076-5	j 1-C7 CC'	Totan3NA	MoriB	H4HCA	87898
480-28076-4	j 1-20 4'	Totan3NA	MoriB	H4HCA	87898
480-28076-6	j 1-22 9'	Totan3NA	MoriB	H4HCA	87898
480-28076-9	j 1-26 5'	Totan3NA	MoriB	H4HCA	87898
480-28076-H	j 1-29 C2'	Totan3NA	MoriB	H4HCA	87898
480-28076-C8	j 1-2H C2'	Totan3NA	MoriB	H4HCA	87898
, I MMRg 480-87898S2-A	, ab I oLtronMampre	Totan3NA	MoriB	H4HCA	87898
g 3 480-87898SC-A	g ethoB 3 raLk	Totan3NA	MoriB	H4HCA	87898

Analysis Batch: 90301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-C	j 1-CH 4'	Totan3NA	MoriB	90C03	87748
480-28076-2	j 1-C8 8'	Totan3NA	MoriB	90C03	87748
480-28076-5	j 1-C7 CC'	Totan3NA	MoriB	90C03	87748
480-28076-5 g M	j 1-C7 CC'	Totan3NA	MoriB	90C03	87748
480-28076-5 g MD	j 1-C7 CC'	Totan3NA	MoriB	90C03	87748
480-28076-4	j 1-20 4'	Totan3NA	MoriB	90C03	87748
480-28076-6	j 1-22 9'	Totan3NA	MoriB	90C03	87748
480-28076-9	j 1-26 5'	Totan3NA	MoriB	90C03	87748
480-28076-H	j 1-29 C2'	Totan3NA	MoriB	90C03	87748
480-28076-C8	j 1-2H C2'	Totan3NA	MoriB	90C03	87748
, I MMRg 480-87748S2-A	, ab I oLtronMampre	Totan3NA	MoriB	90C03	87748
g 3 480-87748SC-A	g ethoB 3 raLk	Totan3NA	MoriB	90C03	87748

QC Association Summary

I nieLt: TT, . ILcP
j ro/ectSMte: g adLa Mte - MonriB

TestAmerica Job ID: 480-28076-C

General Chemistry

Analysis Batch: 90009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-C	j 1-CH 4'	TotanSNA	MonriB	g oisture	
480-28076-2	j 1-C8 8'	TotanSNA	MonriB	g oisture	
480-28076-5	j 1-C7 CC'	TotanSNA	MonriB	g oisture	
480-28076-4	j 1-20 4'	TotanSNA	MonriB	g oisture	
480-28076-6	j 1-22 9'	TotanSNA	MonriB	g oisture	
480-28076-9	j 1-26 5'	TotanSNA	MonriB	g oisture	
480-28076-H	j 1-29 C2'	TotanSNA	MonriB	g oisture	
480-28076-C8	j 1-2H C2'	TotanSNA	MonriB	g oisture	

Lab Chronicle

Client: TTL, Inc.
j ro/ectSMte: g apna Mte - Moli5

TestAmerica Job ID: 480-28076-P

Client Sample ID: PH-1' 48
Lab Sample ID: 402-7026M-1

Date Collecte/ : 115 2' 5 17 20:22
x atrid: Soli/
Date . eceiRe/ : 115 20 5 17 26:v2
Percent Soli/ 3: 02s0

Prep Type	Batch Type	Batch x etho/	. un	Dilution Factor	Batch Number	Prepare/ or Analyze/	Analy3t	Lab
Total9NA	j re3	6016			70BP8	PPS P1 S P2 21:62	CDC	TAL 9UF
Total9NA	Analysis	82R09		P	70B01	PPS P4 S P2 0B:48	Jg 9	TAL 9UF
Total9NA	j re3	16609			70604	PPS P1 S P2 08:24	Cg	TAL 9UF
Total9NA	Analysis	82B0C		P	7PP10	PPS P6 S P2 P8:26	Hg g	TAL 9UF
Total9NA	j re3	B4BPA			878R8	PPS 07 S P2 08:60	JHK	TAL 9UF
Total9NA	Analysis	B4BPA		P	8776R	PPS 07 S P2 PP:4B	JHK	TAL 9UF
Total9NA	j re3	10609			87748	PPS 07 S P2 P1:46	MM	TAL 9UF
Total9NA	Analysis	R0P09		P	7010P	PPS P0 S P2 P7:10	Lu	TAL 9UF
Total9NA	Analysis	g oistf re		P	70007	PPS 07 S P2 P6:16	g D	TAL 9UF

Client Sample ID: PH-10 08
Lab Sample ID: 402-7026M-7

Date Collecte/ : 115 2' 5 17 12:12
x atrid: Soli/
Date . eceiRe/ : 115 20 5 17 26:v2
Percent Soli/ 3: 00s6

Prep Type	Batch Type	Batch x etho/	. un	Dilution Factor	Batch Number	Prepare/ or Analyze/	Analy3t	Lab
Total9NA	j re3	6016			70BP8	PPS P1 S P2 21:62	CDC	TAL 9UF
Total9NA	Analysis	82R09		P	70B01	PPS P4 S P2 08:P1	Jg 9	TAL 9UF
Total9NA	j re3	16609			70604	PPS P1 S P2 08:24	Cg	TAL 9UF
Total9NA	Analysis	82B0C		P	7PP10	PPS P6 S P2 P8:47	Hg g	TAL 9UF
Total9NA	j re3	B4BPA			878R8	PPS 07 S P2 08:60	JHK	TAL 9UF
Total9NA	Analysis	B4BPA		P	8776R	PPS 07 S P2 PP:66	JHK	TAL 9UF
Total9NA	j re3	10609			87748	PPS 07 S P2 P1:46	MM	TAL 9UF
Total9NA	Analysis	R0P09		P	7010P	PPS P0 S P2 P7:12	Lu	TAL 9UF
Total9NA	Analysis	g oistf re		P	70007	PPS 07 S P2 P6:16	g D	TAL 9UF

Client Sample ID: PH-16 118
Lab Sample ID: 402-7026M-v

Date Collecte/ : 115 2' 5 17 11:22
x atrid: Soli/
Date . eceiRe/ : 115 20 5 17 26:v2
Percent Soli/ 3: 09s4

Prep Type	Batch Type	Batch x etho/	. un	Dilution Factor	Batch Number	Prepare/ or Analyze/	Analy3t	Lab
Total9NA	j re3	6016			70BP8	PPS P1 S P2 21:62	CDC	TAL 9UF
Total9NA	Analysis	82R09		P	70B01	PPS P4 S P2 08:18	Jg 9	TAL 9UF
Total9NA	j re3	16609			70604	PPS P1 S P2 08:24	Cg	TAL 9UF
Total9NA	Analysis	82B0C		P	7PP10	PPS P6 S P2 P7:P2	Hg g	TAL 9UF
Total9NA	j re3	B4BPA			878R8	PPS 07 S P2 08:60	JHK	TAL 9UF
Total9NA	Analysis	B4BPA		P	8776R	PPS 07 S P2 PP:6R	JHK	TAL 9UF
Total9NA	j re3	10609			87748	PPS 07 S P2 P1:46	MM	TAL 9UF
Total9NA	Analysis	R0P09		P	7010P	PPS P0 S P2 P7:14	Lu	TAL 9UF
Total9NA	Analysis	g oistf re		P	70007	PPS 07 S P2 P6:16	g D	TAL 9UF

Lab Chronicle

Client: TTL, Inc.
j ro/ectSMte: g apna Mte - Moli5

TestAmerica Job ID: 480-28076-P

Client Sample ID: PH-72 48

Lab Sample ID: 402-7026M-4

Date Collecte/ : 115 2' 5 17 17:2M
x atrid: Soli/
Date . eceiRe/ : 115 205 17 26:v2
Percent Soli/ 3: 64sv

Prep Type	Batch Type	Batch x etho/	. un	Dilution Factor	Batch Number	Prepare/ or Analyze/	Analy3t	Lab
Total9NA	j re3	6016			70BP8	PPS P1 S P2 21:62	CDC	TAL 9UF
Total9NA	Analysis	82R09		P	70BB2	PPS P4 S P2 PP:62	CDC	TAL 9UF
Total9NA	j re3	16609			70604	PPS P1 S P2 08:24	Cg	TAL 9UF
Total9NA	Analysis	82B0C		20	7P216	PPS PRS P2 P1:21	Hg g	TAL 9UF
Total9NA	j re3	16609			71047	PPS 28 S P2 0B:P0	TH	TAL 9UF
Total9NA	Analysis	80P69		P	71286	PPS 27 S P2 P2:61	CD	TAL 9UF
Total9NA	j re3	B4BPA			878R8	PPS 07 S P2 08:60	JHK	TAL 9UF
Total9NA	Analysis	B4BPA		P	8776R	PPS 07 S P2 PP:68	JHK	TAL 9UF
Total9NA	j re3	10609			87748	PPS 07 S P2 P1:46	MM	TAL 9UF
Total9NA	Analysis	R0P09		P	7010P	PPS P0 S P2 P7:60	Lu	TAL 9UF
Total9NA	Analysis	g oistf re		P	70007	PPS 07 S P2 P6:16	g D	TAL 9UF

Client Sample ID: PH-77 98

Lab Sample ID: 402-7026M-M

Date Collecte/ : 115 2' 5 17 1v:2M
x atrid: Soli/
Date . eceiRe/ : 115 205 17 26:v2
Percent Soli/ 3: 61s7

Prep Type	Batch Type	Batch x etho/	. un	Dilution Factor	Batch Number	Prepare/ or Analyze/	Analy3t	Lab
Total9NA	j re3	6016			7082P	PPS P4 S P2 P0:41	Jg 9	TAL 9UF
Total9NA	Analysis	82R09		P	70BB2	PPS P4 S P2 P2:P8	CDC	TAL 9UF
Total9NA	j re3	16609			70604	PPS P1 S P2 08:24	Cg	TAL 9UF
Total9NA	Analysis	82B0C		P	7PP10	PPS P6 S P2 P7:68	Hg g	TAL 9UF
Total9NA	j re3	B4BPA			878R8	PPS 07 S P2 08:60	JHK	TAL 9UF
Total9NA	Analysis	B4BPA		P	8776R	PPS 07 S P2 P2:00	JHK	TAL 9UF
Total9NA	j re3	10609			87748	PPS 07 S P2 P1:46	MM	TAL 9UF
Total9NA	Analysis	R0P09		P	7010P	PPS P0 S P2 P7:62	Lu	TAL 9UF
Total9NA	Analysis	g oistf re		P	70007	PPS 07 S P2 P6:16	g D	TAL 9UF

Client Sample ID: PH-7Mv8

Lab Sample ID: 402-7026M-9

Date Collecte/ : 115 2' 5 17 14:M2
x atrid: Soli/
Date . eceiRe/ : 115 205 17 26:v2
Percent Soli/ 3: 0' s7

Prep Type	Batch Type	Batch x etho/	. un	Dilution Factor	Batch Number	Prepare/ or Analyze/	Analy3t	Lab
Total9NA	j re3	6016			7082P	PPS P4 S P2 P0:41	Jg 9	TAL 9UF
Total9NA	Analysis	82R09		P	70BB2	PPS P4 S P2 P2:41	CDC	TAL 9UF
Total9NA	j re3	16609			70604	PPS P1 S P2 08:24	Cg	TAL 9UF
Total9NA	Analysis	82B0C		P	7PP10	PPS P6 S P2 20:2P	Hg g	TAL 9UF
Total9NA	j re3	B4BPA			878R8	PPS 07 S P2 08:60	JHK	TAL 9UF
Total9NA	Analysis	B4BPA		P	8776R	PPS 07 S P2 P2:0B	JHK	TAL 9UF
Total9NA	j re3	10609			87748	PPS 07 S P2 P1:46	MM	TAL 9UF
Total9NA	Analysis	R0P09		P	7010P	PPS P0 S P2 P7:66	Lu	TAL 9UF
Total9NA	Analysis	g oistf re		P	70007	PPS 07 S P2 P6:16	g D	TAL 9UF

Lab Chronicle

Client: TTL, Inc.
j ro/ectS/ite: g apna M/te - M/oli5

TestAmerica Job ID: 480-28076-P

Client Sample ID: PH-79 178

Date Collecte/ : 115 2' 5 17 1M42
Date . eceiRe/ : 115 205 17 26:v2

Lab Sample ID: 402-7026M-'

x atrid: Soli/
Percent Soli/ 3: 67s9

Prep Type	Batch Type	Batch x etho/	. un	Dilution Factor	Batch Number	Prepare/ or Analyze/	Analy3t	Lab
Total9NA	j re3	6016			7082P	PPS P4S P2 P6:66	Jg 9	TAL 9UF
Total9NA	Analysis	82R09		P	7078P	PPS P6S P2 00:64	Jg 9	TAL 9UF
Total9NA	j re3	16609			70604	PPS P1S P2 08:24	Cg	TAL 9UF
Total9NA	Analysis	82B0C		20	7P216	PPS PRS P2 P1:4B	Hg g	TAL 9UF
Total9NA	j re3	16609			71047	PPS 28S P2 0B:P0	TH	TAL 9UF
Total9NA	Analysis	80P69		20	71286	PPS 10S P2 P0:61	CD	TAL 9UF
Total9NA	j re3	B4BPA			878R8	PPS 07S P2 08:60	JHK	TAL 9UF
Total9NA	Analysis	B4BPA		P	8776R	PPS 07S P2 P2:06	JHK	TAL 9UF
Total9NA	j re3	10609			87748	PPS 07S P2 P1:46	MM	TAL 9UF
Total9NA	Analysis	R0P09		P	7010P	PPS P0S P2 P7:6B	Lu	TAL 9UF
Total9NA	Analysis	g oistf re		P	70007	PPS 07S P2 P6:16	g D	TAL 9UF

Client Sample ID: PH-7' 178

Date Collecte/ : 115 2' 5 17 1' :12
Date . eceiRe/ : 115 205 17 26:v2

Lab Sample ID: 402-7026M-10

x atrid: Soli/
Percent Soli/ 3: 09s1

Prep Type	Batch Type	Batch x etho/	. un	Dilution Factor	Batch Number	Prepare/ or Analyze/	Analy3t	Lab
Total9NA	j re3	6016			7082P	PPS P4S P2 P0:41	Jg 9	TAL 9UF
Total9NA	Analysis	82R09		P	70BB2	PPS P4S P2 P1:14	CDC	TAL 9UF
Total9NA	j re3	16609			70604	PPS P1S P2 08:24	Cg	TAL 9UF
Total9NA	Analysis	82B0C		P	7PP10	PPS P6S P2 21:62	Hg g	TAL 9UF
Total9NA	j re3	B4BPA			878R8	PPS 07S P2 08:60	JHK	TAL 9UF
Total9NA	Analysis	B4BPA		P	8776R	PPS 07S P2 P2:20	JHK	TAL 9UF
Total9NA	j re3	10609			87748	PPS 07S P2 P1:46	MM	TAL 9UF
Total9NA	Analysis	R0P09		P	7010P	PPS P0S P2 20:2P	Lu	TAL 9UF
Total9NA	Analysis	g oistf re		P	70007	PPS 07S P2 P6:16	g D	TAL 9UF

Laboratory . eference3:
TAL 9UF z TestAmerica 9f =alo, P0 u aweld oo5 Drive, Amherst, NY P4228-2278, TEL (BPR)R7P-2R00

Certification Summary

Client: TTL, Inc.
j ro/ectSMte: g af na Mte - Molih

TestAmerica Job ID: 480-28076-P

Laboratory: TestAmerica Buffalo

All certidcations yelh bNtyis laboratorNare listeh. p ot all certidcations are akklicable to tyis rekort.

Authority	Program	EPA Region	Certification ID	Expiration Date
ArEansas DQ1	Mtate j rof ram	9	88-0989	03-09-Pu
Caliobrnia	p QLAC	7	PP97CA	07-u0-Pu
ConnecticHt	Mtate j rof ram	P	j 5 -0698	07-u0-P4
Floriha	p QLAC	4	Q83932	09-u0-Pu
Georf ia	Mtate j rof ram	4	p SA	0u-uP-Pu
Georf ia	Mtate j rof ram	4	769	09-u0-Pu
Georf ia	Mtate j rof ram	4	769	09-u0-Pu
Illinois	p QLAC	6	20000u	07-u0-Pu
Iowa	Mtate j rof ram	3	u34	0u-0P-Pu
Kansas	p QLAC	3	Q-P0P83	0P-uP-Pu
KentHcEN	Mtate j rof ram	4	70027	P2-uP-P2
KentHcEN (UMT)	Mtate j rof ram	4	u0	04-0P-Pu
LoHsiana	p QLAC	9	020uP	09-u0-Pu
g aine	Mtate j rof ram	P	p Y00044	P2-04-P2
g arNanh	Mtate j rof ram	u	274	0u-uP-Pu
g assacyHsetts	Mtate j rof ram	P	g -p Y044	09-u0-Pu
g icyif an	Mtate j rof ram	6	77u3	04-0P-Pu
g innesota	p QLAC	6	0u9-777-uu3	P2-uP-P2
p ew 5 amksyire	p QLAC	P	273u	07-PP-Pu
p ew 5 amksyire	p QLAC	P	2uu3	PP-P3-Pu
p ew JerseN	p QLAC	2	p Y466	09-u0-Pu
p ew YorE	p QLAC	2	P0029	0u-uP-Pu
p orty DaEota	Mtate j rof ram	8	R-P39	0u-uP-Pu
OElayoma	Mtate j rof ram	9	742P	08-uP-Pu
Oref on	p QLAC	P0	p Y20000u	09-07-Pu
j ennsNvania	p QLAC	u	98-0028P	03-uP-Pu
Ryohe Islanh	Mtate j rof ram	P	LAO00u28	P2-uP-Pu
Tennessee	Mtate j rof ram	4	Tp 02730	04-0P-Pu
Texas	p QLAC	9	TP043044P2-PP-2	03-uP-Pu
UMDA	Feheral		j uu0-PP-00u89	PP-22-P4
Virf inia	p QLAC	u	490P86	07-P4-Pu
Wasyinf ton	Mtate j rof ram	P0	C384	02-P0-Pu
West Virf inia DQj	Mtate j rof ram	u	262	07-u0-Pu
Wisconsin	Mtate j rof ram	6	778uP0u70	08-uP-Pu

Method Summary

Method	Method Description	Protocol	Laboratory
82C0p	uoratire d rWeLic I om(oGLBs)UI Sg MF	MV 84O	TA, pv 1
8250I	MemiRoratire d rWeLic I om(oGLBs)UI Sg MF	MV 84O	TA, pv 1
80C6p	Dieseny aLWe d rWeLics)Dy d F)UI F	MV 84O	TA, pv 1
C0C0p	g etans)II j F	MV 84O	TA, pv 1
545CA	g ercGrE)I uAAF	MV 84O	TA, pv 1
g oistGre	j erceLt g oistGre	=j A	TA, pv 1

Protocol References:

=j A " v M=LRiroLmeLtanj rotectioL AWeLcE

MV 84O" hTest g etNoBs 1or =RanGatiLWMoriB V aste. j NEsicanS Nemicang etNoBsh TNirB=BitioL. 9 oRember C78OALB Its v (BatesP

Laboratory References:

TA, pv 1 " TestAmerica pGffaro. C0 HazerwooB DriRe. AmNerst. 9 Y C4228-2278. T=,)5CCRC7C-2C00

Sample Summary

I nieLt: TT, . ILcP
j ro/ectSVite: g aHLa Mte - Mon1

TestAmerica Job ID: 480-28076-C

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-28076-C	j ' -Cd 45	Mon1	CC3dS2 08:00	CC3d8S2 07:30
480-28076-2	j ' -C8 85	Mon1	CC3dS2 C0:C0	CC3d8S2 07:30
480-28076-3	j ' -C7 CC5	Mon1	CC3dS2 CC:00	CC3d8S2 07:30
480-28076-4	j ' -20 45	Mon1	CC3dS2 C2:06	CC3d8S2 07:30
480-28076-6	j ' -22 95	Mon1	CC3dS2 C3:06	CC3d8S2 07:30
480-28076-9	j ' -26 35	Mon1	CC3dS2 C4:60	CC3d8S2 07:30
480-28076-d	j ' -29 C25	Mon1	CC3dS2 C6:40	CC3d8S2 07:30
480-28076-C8	j ' -2d C25	Mon1	CC3dS2 Cd:C0	CC3d8S2 07:30

Login Sample Receipt Checklist

Client: TTL, Inc.

Job Number: 480-28095-1

Login Number: 28095

List Source: TestAmerica Buffalo

List Number: 1

Creator: Robitaille, Zach L

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	TTL
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	

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: SHM	Lab PM: Schove, John	Carrier Tracking No(s):	COC No: 480-28825-7536.3
Client Contact: Ms. Shannon McDonald	Phone: 334-850-1487	E-Mail: john.schove@testamericainc.com		Page: Page 3 of 12
Company: TTL, Inc.				Job #: 600212.024
Address: 4154 Lomac Street	Due Date Requested:			
City: Montgomery	TAT Requested (days):			
State, Zip: AL, 36106				
Phone: 334-244-0766(Tel)	PO #: Purchase Order Requested			
Email: smcdonald@ttlusa.com	WO #:			
Project Name: TTL, Inc. - Syracuse, NY Sites	Project #: 48006637			
Site: Magna	SSOW#:			

Analysis Requested

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, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=soil, O=waste/oil, BT=Tissue, A=Air)	8260B - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	6010B, 7471A	8260B - TCL list OLM04.2	6010B, 7470A	Special Instructions/Note:
6 - PH-17 4'	11/7/12	8:00	G	Solid	✓	✓	✓			
6 - PH-18 8'		10:10	G	Solid	✓	✓	✓			
6 - PH-19 11'		11:00	G	Solid	✓	✓	✓			
6 - PH-20 4'		12:05	G	Solid	✓	✓	✓			
PH-22 6'		1:05	G	Solid	✓	✓	✓			
PH-25 3'		2:50	G	Solid	✓	✓	✓			
6 - PH-26 12'		3:40	G	Solid	✓	✓	✓			
PH-27	↓		G	Solid	✓	✓	✓			
				Solid						
				Solid						
				Solid						

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Shannon McDonald	11/7/12 16:15p	TTL	R. English	11-07-12, 18:15	SYR
R. English	11-07-12, 19:00	SYR		11-8-12 09:30	TA Buff
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2.7 3.1 #2

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: SHM	Lab PM: Schove, John	Carrier Tracking No(s):	COC No: 480-28825-7536.4
Client Contact: Ms. Shannon McDonald	Phone: 334-850-1487	E-Mail: john.schove@testamericainc.com		Page: Page 4 of 12
Company: TTL, Inc.				Job#: 600912-024
Address: 4154 Lomac Street	Due Date Requested:			
City: Montgomery	TAT Requested (days):			
State, Zip: AL, 36106				
Phone: 334-244-0766(Tel)	PO #: Purchase Order Requested			
Email: smcdonald@ttlusa.com	WO #:			
Project Name: TTL, Inc. - Syracuse, NY Sites	Project #: 48006637			
Site: Magna	SSOW#:			

Analysis Requested

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, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	8260B - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	6010B, 7471A	8260B - TCL list OLM04.2	6010B, 7470A	Special Instructions/Note:
PH-18 0-6"	11/7/12	9:45	C	Solid	✓	✓	✓			
PH-19 0-6"	11/7/12	10:35	C	Solid	✓	✓	✓			
PH-20 0-6"	11/7/12	11:45	C	Solid	✓	✓	✓			
PH-21 0-6"	11/7/12	12:25	C	Solid	✓	✓	✓			
PH-23 0-6"	11/7/12	1:45	C	Solid	✓	✓	✓			
PH-26 0-6"	11/7/12	3:25	C	Solid	✓	✓	✓			
PH-27 0-6"	11/7/12	4:45	C	Solid	✓	✓	✓			
				Solid						
				Solid						
				Solid						
				Solid						

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Shannon McDonald	11/7/12 6:15p	TTL	REnglish	11-07-12, 18:15	Sga
REnglish	11-07-12, 19:00	Sga	[illegible]	11-8-12 0930	TA Buff

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.7, 3.1 #2

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: SHM	Lab PM: Schove, John	Carrier Tracking No(s):	COC No: 480-28825-7536.12
Client Contact: Ms. Shannon McDonald	Phone: 334-8501487	E-Mail: john.schove@testamericainc.com		Page: Page 12 of 12
Company: TTL, Inc.				Job #: 600212-024
Address: 4154 Lomac Street	Due Date Requested:			
City: Montgomery	TAT Requested (days):			
State, Zip: AL, 36106				
Phone: 334-244-0766(Tel)	PO #: Purchase Order Requested			
Email: smcdonald@ttlusa.com	WO #:			
Project Name: TTL, Inc. - Syracuse, NY Sites	Project #: 48006637			
Site: Magna	SSOW#:			

Analysis Requested

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
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	8260B - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	6010B, 7471A	8260B - TCL list OLM04.2	6010B, 7470A	Special Instructions/Note:
PH-19	11/7/12	8:20a	G	Water		✓	✓	✓	✓	
PH-816	11/7/12	3:55	G	Water		✓	✓	✓	✓	
PH-277	11/7/12	5:25	G	Water		✓	✓	✓	✓	

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Shannon McDonald	11/7/12 6:15p	TTL	R English	11-07-12, 18:15	SYR
R English	11-07-12, 19:00	SYR	R English	11-8-12 0930	TBUK
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.7, 3.1 #2

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: 480-28163-1
Client Project/Site: Magna Site - Solids
Revision: 1

For:
TTL, Inc.
4154 Lomac Street
Montgomery, Alabama 36106

Attn: Ms. Shannon McDonald

Peggy Gray-Erdmann

Authorized for release by:
11/30/2012 6:54:01 PM
Peggy Gray-Erdmann
Project Manager II
peggy.gray-erdmann@testamericainc.com

Designee for

John Schove
Project Manager I
john.schove@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

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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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
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.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
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)

Job ID: 480-28163-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-28163-1

Comments
No additional comments.

Receipt
The samples were received on 11/9/2012 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.1º C, 3.1º C and 3.9º C.

Except:

This report has been revised to include 8015 DRO analysis.

GC/MS VOA
Method(s) 8260B: The following samples were analyzed using medium level techniques due to the nature of the sample matrix: PH-28 2' (480-28163-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The laboratory control sample (LCS) for batch 91578 (prep batch 91603) exceeded control limits for the following analytes: chlorobenzene. The samples contained no positive detections for chlorobenzene, the data has been reported.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: The following sample was diluted due to the nature of the sample matrix: PH-33 1' (480-28163-5). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 91044 was outside control limits. <<INCLUDE IF APPLICABLE>> The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision met acceptance criteria.

Method(s) 8270C: The method blank for preparation batch 91044 contained Bis(2-ethylhexyl)phthalate 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.

Method(s) 8270C: The following sample was diluted due to the nature of the sample matrix: PH-31 12' (480-28163-4). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

Organic Prep
The following samples contained rocks: PH-28 0-6" (480-28163-6), PH-29 0-6" (480-28163-7), PH-30 0-6" (480-28163-8), PH-31 0-6" (480-28163-9), PH-32 0-6" (480-28163-10), PH-33 0-6" (480-28163-11).

No other analytical or quality issues were noted.

Detection Summary

Client: TTL, Inc.
Project/Site: Magna Site - Solids

TestAmerica Job ID: 480-28163-1

Client Sample ID: PH-28 2' — Lab Sample ID: 480-28163-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	9.7		5.1	1.1	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene - DL	2200		110	14	ug/Kg	1	☼	8260B	Total/NA
Chrysene	26	J	190	1.8	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	14	J	190	2.7	ug/Kg	1	☼	8270C	Total/NA
Indeno(1,2,3-cd)pyrene	8.8	J	190	5.1	ug/Kg	1	☼	8270C	Total/NA
Pyrene	25	J	190	1.2	ug/Kg	1	☼	8270C	Total/NA
Arsenic	6.0		2.2	0.43	mg/Kg	1	☼	6010B	Total/NA
Barium	57.8		0.54	0.12	mg/Kg	1	☼	6010B	Total/NA
Chromium	6.1		0.54	0.22	mg/Kg	1	☼	6010B	Total/NA
Lead	6.0		1.1	0.26	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.58	J	4.3	0.43	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: PH-29 10' — Lab Sample ID: 480-28163-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12	J	30	5.1	ug/Kg	1	☼	8260B	Total/NA
Arsenic	22.6		2.3	0.46	mg/Kg	1	☼	6010B	Total/NA
Barium	31.0		0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.21	J	0.23	0.035	mg/Kg	1	☼	6010B	Total/NA
Chromium	16.7		0.58	0.23	mg/Kg	1	☼	6010B	Total/NA
Lead	30.3		1.2	0.28	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.079		0.022	0.0089	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: PH-30 6' — Lab Sample ID: 480-28163-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-octyl phthalate	20	J	190	4.4	ug/Kg	1	☼	8270C	Total/NA
Arsenic	5.4		2.2	0.45	mg/Kg	1	☼	6010B	Total/NA
Barium	28.5		0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Chromium	5.1		0.56	0.22	mg/Kg	1	☼	6010B	Total/NA
Lead	4.6		1.1	0.27	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.022		0.021	0.0086	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: PH-31 12' — Lab Sample ID: 480-28163-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	10	J	20	1.5	ug/Kg	1	☼	8260B	Total/NA
4-Methyl-2-pentanone (MIBK)	1.7	J	20	1.3	ug/Kg	1	☼	8260B	Total/NA
Acetone	74		20	3.4	ug/Kg	1	☼	8260B	Total/NA
Ethylbenzene	0.99	J	4.0	0.28	ug/Kg	1	☼	8260B	Total/NA
Toluene	0.57	J	4.0	0.30	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	3.3	J	8.1	0.68	ug/Kg	1	☼	8260B	Total/NA
Acenaphthene	170	J	1800	21	ug/Kg	10	☼	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	1300	J B	1800	570	ug/Kg	10	☼	8270C	Total/NA
Fluoranthene	410	J	1800	26	ug/Kg	10	☼	8270C	Total/NA
Fluorene	210	J	1800	41	ug/Kg	10	☼	8270C	Total/NA
Phenanthrene	720	J	1800	37	ug/Kg	10	☼	8270C	Total/NA
Pyrene	280	J	1800	11	ug/Kg	10	☼	8270C	Total/NA
Arsenic	2.0	J	2.3	0.46	mg/Kg	1	☼	6010B	Total/NA
Barium	51.1		0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.094	J	0.23	0.035	mg/Kg	1	☼	6010B	Total/NA
Chromium	18.6		0.58	0.23	mg/Kg	1	☼	6010B	Total/NA

Detection Summary

Client: TTL, Inc.
Project/Site: Magna Site - Solids

TestAmerica Job ID: 480-28163-1

Client Sample ID: PH-31 12' (Continued) — Lab Sample ID: 480-28163-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.2		1.2	0.28	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: PH-33 1' — Lab Sample ID: 480-28163-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	17	J	24	1.7	ug/Kg	1	☼	8260B	Total/NA
Acetone	80		24	4.0	ug/Kg	1	☼	8260B	Total/NA
Ethylbenzene	0.62	J	4.7	0.33	ug/Kg	1	☼	8260B	Total/NA
Styrene	4.0	J	4.7	0.24	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene	0.81	J	4.7	0.63	ug/Kg	1	☼	8260B	Total/NA
Toluene	0.96	J	4.7	0.36	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	0.97	J	9.5	0.79	ug/Kg	1	☼	8260B	Total/NA
Bis(2-ethylhexyl) phthalate	1500	J	1700	560	ug/Kg	10	☼	8270C	Total/NA
Diethyl phthalate	740	J	1700	52	ug/Kg	10	☼	8270C	Total/NA
Arsenic	2.4		1.9	0.39	mg/Kg	1	☼	6010B	Total/NA
Barium	267		0.49	0.11	mg/Kg	1	☼	6010B	Total/NA
Chromium	6.6		0.49	0.19	mg/Kg	1	☼	6010B	Total/NA
Lead	4.3		0.97	0.23	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.62	J	3.9	0.39	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.018	J	0.019	0.0077	mg/Kg	1	☼	7471A	Total/NA

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solids

TestAmerica Job ID: 480-28951-9

Client Sample ID: PH-28 2'
Date Collected: 11/08/12 08:55
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-1
Matrix: Solid
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9,9,9-Trichloroethane	7.9	U	7.9	0.1u	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
9,9,2,2-Tetrachloroethane	7.9	U	7.9	0.81	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
9,9,2-Trichloroethane	7.9	U	7.9	0.55	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
9,9,2-Trichloro-9,2,2-trizKoroethane	7.9	U	7.9	9.2	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
9,9-Dichloroethane	7.9	U	7.9	0.52	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
9,9-Dichloroethene	7.9	U	7.9	0.52	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
9,2,4-Trichlorobenpene	7.9	U	7.9	0.19	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
9,2-Dibromo-1-ChloroHroHane	7.9	U	7.9	2.5	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
9,2-Dibromoethane	7.9	U	7.9	0.55	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
9,2-Dichlorobenpene	7.9	U	7.9	0.40	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
9,2-Dichloroethane	7.9	U	7.9	0.25	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
9,2-DichloroHroHane	7.9	U	7.9	2.5	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
9,1-Dichlorobenpene	7.9	U	7.9	0.25	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
9,4-Dichlorobenpene	7.9	U	7.9	0.u9	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
2-x eBanone	25	U	25	2.5	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
2-(Ktanone EM) 3y	25	U	25	9.f	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
4-Meth6l-2-Hentanone EMI(3y	25	U	25	9.u	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
Acetone	25	U	25	4.1	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
(enpene	7.9	U	7.9	0.27	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
(romodichloromethane	7.9	U	7.9	0.58	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
(romozorm	7.9	U	7.9	2.5	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
(romomethane	7.9	U	7.9	0.45	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
Carbon disKizide	7.9	U	7.9	2.5	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
Carbon tetrachloride	7.9	U	7.9	0.4f	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
Chlorobenpene	7.9	U	7.9	0.5u	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
Dibromochloromethane	7.9	U	7.9	0.57	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
Chloroethane	7.9	U	7.9	9.2	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
Chlorozorm	7.9	U	7.9	0.12	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
Chloromethane	7.9	U	7.9	0.19	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
cis-9,2-Dichloroethene	7.9	U	7.9	0.57	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
cis-9,1-DichloroHroHene	7.9	U	7.9	0.u4	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
C6cloheBane	7.9	U	7.9	0.u9	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
DichlorodizKoromethane	7.9	U	7.9	0.42	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
) th6lbenpene	7.9	U	7.9	0.17	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
IsoHroH6lbenpene	7.9	U	7.9	0.uu	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
Meth6l acetate	7.9	U	7.9	0.f 7	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
Meth6l tert-bKt6l ether	7.9	U	7.9	0.70	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
Meth6lc6cloheBane	7.9	U	7.9	0.u8	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
Meth6lene Chloride	7.9	U	7.9	2.1	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
St6rene	7.9	U	7.9	0.25	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
TolKene	7.9	U	7.9	0.1f	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
trans-9,2-Dichloroethene	7.9	U	7.9	0.71	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
trans-9,1-DichloroHroHene	7.9	U	7.9	2.2	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
Trichloroethene	**9.7**		7.9	9.9	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
TrichlorozKoromethane	7.9	U	7.9	0.48	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
Vin6l chloride	7.9	U	7.9	0.52	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9
X6lenes, Total	90	U	90	0.85	Kg/3g	☼	99/94/92 90:41	99/94/92 9f :19	9

Client Sample ID: PH-28 2'

Date Collected: 11/08/12 08:55
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-1

Matrix: Solid
Percent Solids: 90.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*64 - 126*	*11/14/12 1: 348*	*11/14/12 193381*	*1*
Toluene-d7 (Surr)	*71*		*51 - 12B*	*11/14/12 1: 348*	*11/14/12 193381*	*1*
4-mrof obluorozenpene (Surr)	*74*		*52 - 126*	*11/14/12 1: 348*	*11/14/12 193381*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**2200**		990	94	Kg/3g	☼	99/9u/92 99:42	99/9u/92 91:7f	9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*B8 - 146*	*11/15/12 113342*	*11/15/12 183339*	*1*
Toluene-d7 (Surr)	*12:*		*B: - 149*	*11/15/12 113342*	*11/15/12 183339*	*1*
4-mrof obluorozenpene (Surr)	*119*		*49 - 147*	*11/15/12 113342*	*11/15/12 183339*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
(iHhen6l	9f 0	U	9f 0	99	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
bis E2-chloroisoHroH6ly ether	9f 0	U	9f 0	9f	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
2,4,7-TrichloroHhenol	9f 0	U	9f 0	40	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
2,4,5-TrichloroHhenol	9f 0	U	9f 0	92	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
2,4-DichloroHhenol	9f 0	U	9f 0	f .5	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
2,4-Dimeth6lHhenol	9f 0	U	9f 0	70	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
2,4-DinitroHhenol	150	U	150	54	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
2,4-DinitrotolKene	9f 0	U	9f 0	28	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
2,5-DinitrotolKene	9f 0	U	9f 0	47	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
2-ChloronaHhthalene	9f 0	U	9f 0	92	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
2-ChloroHhenol	9f 0	U	9f 0	f .4	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
2-Meth6lnaHhthalene	9f 0	U	9f 0	2.2	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
2-Meth6lHhenol	9f 0	U	9f 0	7.u	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
2-Nitroaniline	150	U	150	7f	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
2-NitroHhenol	9f 0	U	9f 0	8.4	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
1,1'-Dichlorobenpidine	9f 0	U	9f 0	950	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
1-Nitroaniline	150	U	150	42	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
4,5-Dinitro-2-meth6lHhenol	150	U	150	51	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
4-(romoHhen6l Hhen6l ether	9f 0	U	9f 0	78	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
4-Chloro-1-meth6lHhenol	9f 0	U	9f 0	u.5	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
4-Chloroaniline	9f 0	U	9f 0	74	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
4-ChloroHhen6l Hhen6l ether	9f 0	U	9f 0	1.f	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
4-Meth6lHhenol	150	U	150	90	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
4-Nitroaniline	150	U	150	29	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
4-NitroHhenol	150	U	150	47	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
AcenaHhthene	9f 0	U	9f 0	2.2	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
AcenaHhth6lene	9f 0	U	9f 0	9.7	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
AcetoHhenone	9f 0	U	9f 0	f .4	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
Anthracene	9f 0	U	9f 0	4.u	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
Atrapine	9f 0	U	9f 0	8.2	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
(enpaldeh6de	9f 0	U	9f 0	20	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
(enpoEayanthracene	9f 0	U	9f 0	1.2	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
(enpoEayH6rene	9f 0	U	9f 0	4.4	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
(enpoEbyzKoranthene	9f 0	U	9f 0	1.5	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
(enpoEg,h,iyHer6lene	9f 0	U	9f 0	2.2	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
(enpoEkyzKoranthene	9f 0	U	9f 0	2.0	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solids

TestAmerica Job ID: 480-28951-9

Client Sample ID: PH-28 2'

Date Collected: 11/08/12 08:55
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-1

Matrix: Solid
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
(isE2-chloroethoB6ymethane	9f 0	U	9f 0	90	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
(isE2-chloroeth6lyether	9f 0	U	9f 0	95	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
(isE2-eth6lheB6lyHhthalate	9f 0	U	9f 0	7f	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
(Kt6l benp6l Hhthalate	9f 0	U	9f 0	4f	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
CaHrolactam	9f 0	U	9f 0	uf	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
Carbapole	9f 0	U	9f 0	2.9	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
Chrysene	**26**	**J**	9f 0	9.8	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
Di-n-bKt6l Hhthalate	9f 0	U	9f 0	54	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
Di-n-oct6l Hhthalate	9f 0	U	9f 0	4.1	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
DibenpEa,hyanthracene	9f 0	U	9f 0	2.2	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
DibenpozKran	9f 0	U	9f 0	9.f	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
Dieth6l Hhthalate	9f 0	U	9f 0	7.5	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
Dimeth6l Hhthalate	9f 0	U	9f 0	4.8	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
Fluoranthene	**14**	**J**	9f 0	2.u	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
FIKorene	9f 0	U	9f 0	4.2	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
x eBachlorobenpene	9f 0	U	9f 0	f .9	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
x eBachlorobKtadiene	9f 0	U	9f 0	f .4	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
x eBachloroc6cloHentadiene	9f 0	U	9f 0	75	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
x eBachloroethane	9f 0	U	9f 0	94	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
Indeno(1,2,3-cd)pyrene	**8.8**	**J**	9f 0	7.9	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
IsoHhorone	9f 0	U	9f 0	f .2	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
N-Nitrosodi-n-HroH6lamine	9f 0	U	9f 0	97	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
N-NitrosodiHhen6lamine	9f 0	U	9f 0	90	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
NaHhthalene	9f 0	U	9f 0	1.9	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
Nitrobenpene	9f 0	U	9f 0	8.9	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
PentachloroHhenol	150	U	150	51	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
Phenanthrene	9f 0	U	9f 0	1.f	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
Phenol	9f 0	U	9f 0	9f	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9
Pyrene	**25**	**J**	9f 0	9.2	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:2u	9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Trizrof o0henol	*71*		*89 - 146*	*11/1B/12 : 73 9*	*11/2: /12 2: 325*	*1*
2-Fluorozi0henyl	*5:*		*85 - 12:*	*11/1B/12 : 73 9*	*11/2: /12 2: 325*	*1*
2-Fluoro0henol	*B9*		*17 - 12:*	*11/1B/12 : 73 9*	*11/2: /12 2: 325*	*1*
Nitrozenpene-dB	*67*		*84 - 182*	*11/1B/12 : 73 9*	*11/2: /12 2: 325*	*1*
0-Ter0henyl-d14	*51*		*6B - 1B8*	*11/1B/12 : 73 9*	*11/2: /12 2: 325*	*1*
Phenol-dB	*69*		*11 - 12:*	*11/1B/12 : 73 9*	*11/2: /12 2: 325*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.0**		2.2	0.41	mg/3g	☼	99/94/92 92:20	99/97/92 29:28	9
Barium	**57.8**		0.74	0.92	mg/3g	☼	99/94/92 92:20	99/97/92 29:28	9
CadmiKm	0.22	U	0.22	0.012	mg/3g	☼	99/94/92 92:20	99/97/92 29:28	9
Chromium	**6.1**		0.74	0.22	mg/3g	☼	99/94/92 92:20	99/97/92 29:28	9
Lead	**6.0**		9.9	0.25	mg/3g	☼	99/94/92 92:20	99/97/92 29:28	9
Selenium	**0.58**	**J**	4.1	0.41	mg/3g	☼	99/94/92 92:20	99/97/92 29:28	9
Silver	0.74	U	0.74	0.22	mg/3g	☼	99/94/92 92:20	99/97/92 29:28	9

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solids

TestAmerica Job ID: 480-28951-9

Client Sample ID: PH-28 2'
Date Collected: 11/08/12 08:55
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-1
Matrix: Solid
Percent Solids: 90.7

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MercKr6	0.020	U	0.020	0.0081	mg/3g	☼	99/92/92 0f :00	99/92/92 94:24	9

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solids

TestAmerica Job ID: 480-28951-9

Client Sample ID: PH-29 10'
Date Collected: 11/08/12 09:35
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-2
Matrix: Solid
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9,9,9-Trichloroethane	5.0	U	5.0	0.44	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
9,9,2,2-Tetrachloroethane	5.0	U	5.0	0.f8	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
9,9,2-Trichloroethane	5.0	U	5.0	0.u8	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
9,9,2-Trichloro-9,2,2-trizKoroethane	5.0	U	5.0	9.4	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
9,9-Dichloroethane	5.0	U	5.0	0.u4	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
9,9-Dichloroethene	5.0	U	5.0	0.u4	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
9,2,4-Trichlorobenpene	5.0	U	5.0	0.1u	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
9,2-Dibromo-1-ChloroHroHane	5.0	U	5.0	1.0	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
9,2-Dibromoethane	5.0	U	5.0	0.uu	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
9,2-Dichlorobenpene	5.0	U	5.0	0.4u	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
9,2-Dichloroethane	5.0	U	5.0	0.10	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
9,2-DichloroHroHane	5.0	U	5.0	1.0	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
9,1-Dichlorobenpene	5.0	U	5.0	0.19	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
9,4-Dichlorobenpene	5.0	U	5.0	0.84	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
2-x eBanone	10	U	10	1.0	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
2-(Ktanone EM) 3y	10	U	10	2.2	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
4-Meth6l-2-Hentanone EMI(3y	10	U	10	2.0	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
Acetone	**12**	**J**	10	7.9	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
(enpene	5.0	U	5.0	0.10	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
(romodichloromethane	5.0	U	5.0	0.89	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
(romozorm	5.0	U	5.0	1.0	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
(romomethane	5.0	U	5.0	0.74	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
Carbon disKlzide	5.0	U	5.0	1.0	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
Carbon tetrachloride	5.0	U	5.0	0.78	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
Chlorobenpene	5.0	U	5.0	0.80	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
Dibromochloromethane	5.0	U	5.0	0.uu	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
Chloroethane	5.0	U	5.0	9.4	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
Chlorozorm	5.0	U	5.0	0.1u	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
Chloromethane	5.0	U	5.0	0.15	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
cis-9,2-Dichloroethene	5.0	U	5.0	0.uu	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
cis-9,1-DichloroHroHene	5.0	U	5.0	0.8u	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
C6cloheBane	5.0	U	5.0	0.84	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
DichlorodizKoromethane	5.0	U	5.0	0.70	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
) th6lbenpene	5.0	U	5.0	0.42	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
IsoHroH6lbenpene	5.0	U	5.0	0.f9	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
Meth6l acetate	5.0	U	5.0	9.9	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
Meth6l tert-bKt6l ether	5.0	U	5.0	0.7f	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
Meth6lc6cloheBane	5.0	U	5.0	0.f2	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
Meth6lene Chloride	5.0	U	5.0	2.8	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
St6rene	5.0	U	5.0	0.10	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
Tetrachloroethene	5.0	U	5.0	0.89	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
TolKene	5.0	U	5.0	0.45	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
trans-9,2-Dichloroethene	5.0	U	5.0	0.52	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
trans-9,1-DichloroHroHene	5.0	U	5.0	2.u	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
Trichloroethene	5.0	U	5.0	9.1	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
TrichlorozKoromethane	5.0	U	5.0	0.7u	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
Vin6l chloride	5.0	U	5.0	0.u4	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9
X6lenes, Total	92	U	92	9.0	Kg/3g	☼	99/94/92 97:77	99/97/92 09:20	9

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solids

TestAmerica Job ID: 480-28951-9

Client Sample ID: PH-29 10'

Date Collected: 11/08/12 09:35
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-2

Matrix: Solid
Percent Solids: 90.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	1: :		64 - 126	11/14/12 1B3BB	11/1B/12 : 132:	1
Toluene-d7 (Surr)	75		51 - 12B	11/14/12 1B3BB	11/1B/12 : 132:	1
4-mrof obluorozenpene (Surr)	75		52 - 126	11/14/12 1B3BB	11/1B/12 : 132:	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
(iHhen6l	9f 0	U	9f 0	92	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
bis E2-chloroisoHroH6lyether	9f 0	U	9f 0	9f	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
2,4,7-TrichloroHhenol	9f 0	U	9f 0	40	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
2,4,5-TrichloroHhenol	9f 0	U	9f 0	92	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
2,4-DichloroHhenol	9f 0	U	9f 0	f .u	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
2,4-Dimeth6lHhenol	9f 0	U	9f 0	70	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
2,4-DinitroHhenol	150	U	150	57	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
2,4-DinitrotolKene	9f 0	U	9f 0	2f	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
2,5-DinitrotolKene	9f 0	U	9f 0	47	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
2-ChloronaHhthalene	9f 0	U	9f 0	92	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
2-ChloroHhenol	9f 0	U	9f 0	f .4	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
2-Meth6lnaHhthalene	9f 0	U	9f 0	2.2	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
2-Meth6lHhenol	9f 0	U	9f 0	7.u	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
2-Nitroaniline	150	U	150	7f	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
2-NitroHhenol	9f 0	U	9f 0	8.4	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
1,1'-Dichlorobenpidine	9f 0	U	9f 0	950	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
1-Nitroaniline	150	U	150	42	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
4,5-Dinitro-2-meth6lHhenol	150	U	150	54	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
4-(romoHhen6l Hhen6l ether	9f 0	U	9f 0	7f	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
4-Chloro-1-meth6lHhenol	9f 0	U	9f 0	u.5	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
4-Chloroaniline	9f 0	U	9f 0	74	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
4-ChloroHhen6l Hhen6l ether	9f 0	U	9f 0	1.f	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
4-Meth6lHhenol	150	U	150	90	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
4-Nitroaniline	150	U	150	29	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
4-NitroHhenol	150	U	150	47	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
AcenaHhthene	9f 0	U	9f 0	2.2	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
AcenaHhth6lene	9f 0	U	9f 0	9.7	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
AcetoHhenone	9f 0	U	9f 0	f .7	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
Anthracene	9f 0	U	9f 0	4.u	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
Atrapine	9f 0	U	9f 0	8.2	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
(enpaldeh6de	9f 0	U	9f 0	20	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
(enpoEayanthracene	9f 0	U	9f 0	1.2	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
(enpoEayH6rene	9f 0	U	9f 0	4.7	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
(enpoEbydKoranthene	9f 0	U	9f 0	1.5	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
(enpoEg,h,iyHer6lene	9f 0	U	9f 0	2.2	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
(enpoEkydKoranthene	9f 0	U	9f 0	2.0	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
(isE2-chloroethoB6ymethane	9f 0	U	9f 0	90	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
(isE2-chloroeth6lyether	9f 0	U	9f 0	95	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
(isE2-eth6lheB6ly Hhthalate	9f 0	U	9f 0	50	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
(Kt6l benp6l Hhthalate	9f 0	U	9f 0	70	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
CaHrolactam	9f 0	U	9f 0	80	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
Carbapole	9f 0	U	9f 0	2.9	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
Chr6sene	9f 0	U	9f 0	9.8	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
Di-n-bKt6l Hhthalate	9f 0	U	9f 0	54	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solids

TestAmerica Job ID: 480-28951-9

Client Sample ID: PH-29 10'

Date Collected: 11/08/12 09:35
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-2

Matrix: Solid
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-oct6l Hhthalate	9f 0	U	9f 0	4.1	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
DibenpEa,hyanthracene	9f 0	U	9f 0	2.2	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
DibenpozKran	9f 0	U	9f 0	9.f	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
Dieth6l Hhthalate	9f 0	U	9f 0	7.5	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
Dimeth6l Hhthalate	9f 0	U	9f 0	4.8	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
FIKoranthene	9f 0	U	9f 0	2.u	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
FIKorene	9f 0	U	9f 0	4.1	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
x eBachlorobenpene	9f 0	U	9f 0	f .2	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
x eBachlorobKtadiene	9f 0	U	9f 0	f .7	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
x eBachloroc6cloHentadiene	9f 0	U	9f 0	75	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
x eBachloroethane	9f 0	U	9f 0	94	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
IndenoE9,2,1-cdyH6rene	9f 0	U	9f 0	7.9	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
IsoHhorone	9f 0	U	9f 0	f .2	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
N-Nitrosodi-n-HroH6lamine	9f 0	U	9f 0	97	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
N-NitrosodiHhen6lamine	9f 0	U	9f 0	90	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
NaHhthalene	9f 0	U	9f 0	1.9	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
Nitrobenpene	9f 0	U	9f 0	8.2	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
PentachloroHhenol	150	U	150	51	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
Phenanthrene	9f 0	U	9f 0	1.f	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
Phenol	9f 0	U	9f 0	9f	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9
P6rene	9f 0	U	9f 0	9.2	Kg/3g	☼	99/97/92 08:0f	99/20/92 20:79	9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Trizrof o0henol	*7B*		*89 - 146*	*11/1B/12 : 73 9*	*11/2: /12 2: 3B1*	*1*
2-Fluorozi0henyl	*52*		*85 - 12:*	*11/1B/12 : 73 9*	*11/2: /12 2: 3B1*	*1*
2-Fluoro0henol	*62*		*17 - 12:*	*11/1B/12 : 73 9*	*11/2: /12 2: 3B1*	*1*
Nitrozenpene-dB	*58*		*84 - 182*	*11/1B/12 : 73 9*	*11/2: /12 2: 3B1*	*1*
0-Ter0henyl-d14	*57*		*6B - 1B8*	*11/1B/12 : 73 9*	*11/2: /12 2: 3B1*	*1*
Phenol-dB	*54*		*11 - 12:*	*11/1B/12 : 73 9*	*11/2: /12 2: 3B1*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**22.6**		2.1	0.45	mg/3g	☼	99/94/92 92:20	99/97/92 29:10	9
Barium	**31.0**		0.78	0.91	mg/3g	☼	99/94/92 92:20	99/97/92 29:10	9
Cadmium	**0.21**	**J**	0.21	0.017	mg/3g	☼	99/94/92 92:20	99/9f /92 20:41	9
Chromium	**16.7**		0.78	0.21	mg/3g	☼	99/94/92 92:20	99/97/92 29:10	9
Lead	**30.3**		9.2	0.28	mg/3g	☼	99/94/92 92:20	99/97/92 29:10	9
SeleniKm	4.5	U	4.5	0.45	mg/3g	☼	99/94/92 92:20	99/97/92 29:10	9
Silver	0.78	U	0.78	0.21	mg/3g	☼	99/94/92 92:20	99/97/92 29:10	9

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.079**		0.022	0.008f	mg/3g	☼	99/92/92 0f :00	99/92/92 94:25	9

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solids

TestAmerica Job ID: 480-28951-9

Client Sample ID: PH-30 6'
Date Collected: 11/08/12 10:30
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-3
Matrix: Solid
Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9,9,9-Trichloroethane	4.7	U	4.7	0.11	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
9,9,2,2-Tetrachloroethane	4.7	U	4.7	0.u1	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
9,9,2-Trichloroethane	4.7	U	4.7	0.7f	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
9,9,2-Trichloro-9,2,2-trizKoroethane	4.7	U	4.7	9.0	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
9,9-Dichloroethane	4.7	U	4.7	0.77	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
9,9-Dichloroethene	4.7	U	4.7	0.77	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
9,2,4-Trichlorobenpene	4.7	U	4.7	0.2u	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
9,2-Dibromo-1-ChloroHroHane	4.7	U	4.7	2.1	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
9,2-Dibromoethane	4.7	U	4.7	0.78	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
9,2-Dichlorobenpene	4.7	U	4.7	0.17	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
9,2-Dichloroethane	4.7	U	4.7	0.21	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
9,2-DichloroHroHane	4.7	U	4.7	2.1	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
9,1-Dichlorobenpene	4.7	U	4.7	0.21	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
9,4-Dichlorobenpene	4.7	U	4.7	0.51	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
2-x eBanone	21	U	21	2.1	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
2-(Ktanone EM) 3y	21	U	21	9.u	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
4-Meth6l-2-Hentanone EMI(3y	21	U	21	9.7	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
Acetone	21	U	21	1.8	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
(enpene	4.7	U	4.7	0.22	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
(romodichloromethane	4.7	U	4.7	0.59	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
(romozorm	4.7	U	4.7	2.1	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
(romomethane	4.7	U	4.7	0.49	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
Carbon disKizide	4.7	U	4.7	2.1	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
Carbon tetrachloride	4.7	U	4.7	0.44	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
Chlorobenpene	4.7	U	4.7	0.50	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
Dibromochloromethane	4.7	U	4.7	0.78	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
Chloroethane	4.7	U	4.7	9.0	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
Chlorozorm	4.7	U	4.7	0.28	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
Chloromethane	4.7	U	4.7	0.2u	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
cis-9,2-Dichloroethene	4.7	U	4.7	0.78	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
cis-9,1-DichloroHroHene	4.7	U	4.7	0.57	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
C6cloheBane	4.7	U	4.7	0.51	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
DichlorodizKoromethane	4.7	U	4.7	0.1u	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
) th6lbenpene	4.7	U	4.7	0.19	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
IsoHroH6lbenpene	4.7	U	4.7	0.58	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
Meth6l acetate	4.7	U	4.7	0.84	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
Meth6l tert-bKt6l ether	4.7	U	4.7	0.44	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
Meth6lc6cloheBane	4.7	U	4.7	0.5f	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
Meth6lene Chloride	4.7	U	4.7	2.9	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
St6rene	4.7	U	4.7	0.21	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
Tetrachloroethene	4.7	U	4.7	0.59	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
TolKene	4.7	U	4.7	0.14	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
trans-9,2-Dichloroethene	4.7	U	4.7	0.4u	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
trans-9,1-DichloroHroHene	4.7	U	4.7	2.0	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
Trichloroethene	4.7	U	4.7	0.ff	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
TrichlorozKoromethane	4.7	U	4.7	0.41	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
Vin6l chloride	4.7	U	4.7	0.77	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9
X6lenes, Total	f.0	U	f.0	0.u5	Kg/3g	☼	99/94/92 90:41	99/97/92 09:47	9

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solids

TestAmerica Job ID: 480-28951-9

Client Sample ID: PH-30 6'

Date Collected: 11/08/12 10:30
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-3

Matrix: Solid
Percent Solids: 90.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*64 - 126*	*11/14/12 1: 3/48*	*11/1B/12 : 13/4B*	*1*
Toluene-d7 (Surr)	*74*		*51 - 12B*	*11/14/12 1: 3/48*	*11/1B/12 : 13/4B*	*1*
4-mrof obluorozenpene (Surr)	*78*		*52 - 126*	*11/14/12 1: 3/48*	*11/1B/12 : 13/4B*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
(iHhen6l	9f 0	U	9f 0	92	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
bis E2-chloroisoHroH6lyether	9f 0	U	9f 0	20	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
2,4,7-TrichloroHhenol	9f 0	U	9f 0	49	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
2,4,5-TrichloroHhenol	9f 0	U	9f 0	92	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
2,4-DichloroHhenol	9f 0	U	9f 0	f .8	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
2,4-Dimeth6lHhenol	9f 0	U	9f 0	70	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
2,4-DinitroHhenol	150	U	150	57	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
2,4-DinitrotolKene	9f 0	U	9f 0	2f	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
2,5-DinitrotolKene	9f 0	U	9f 0	45	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
2-ChloronaHhthalene	9f 0	U	9f 0	91	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
2-ChloroHhenol	9f 0	U	9f 0	f .7	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
2-Meth6lnaHhthalene	9f 0	U	9f 0	2.1	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
2-Meth6lHhenol	9f 0	U	9f 0	7.u	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
2-Nitroaniline	150	U	150	50	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
2-NitroHhenol	9f 0	U	9f 0	8.7	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
1,1'-Dichlorobenpidine	9f 0	U	9f 0	950	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
1-Nitroaniline	150	U	150	41	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
4,5-Dinitro-2-meth6lHhenol	150	U	150	54	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
4-(romoHhen6l Hhen6l ether	9f 0	U	9f 0	7f	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
4-Chloro-1-meth6lHhenol	9f 0	U	9f 0	u.u	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
4-Chloroaniline	9f 0	U	9f 0	77	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
4-ChloroHhen6l Hhen6l ether	9f 0	U	9f 0	4.0	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
4-Meth6lHhenol	150	U	150	90	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
4-Nitroaniline	150	U	150	29	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
4-NitroHhenol	150	U	150	47	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
AcenaHhthene	9f 0	U	9f 0	2.2	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
AcenaHhth6lene	9f 0	U	9f 0	9.7	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
AcetoHhenone	9f 0	U	9f 0	f .5	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
Anthracene	9f 0	U	9f 0	4.8	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
Atrapine	9f 0	U	9f 0	8.1	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
(enpaldeh6de	9f 0	U	9f 0	20	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
(enpoEayanthracene	9f 0	U	9f 0	1.2	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
(enpoEayH6rene	9f 0	U	9f 0	4.7	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
(enpoEbydKoranthene	9f 0	U	9f 0	1.5	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
(enpoEg,h,iyHer6lene	9f 0	U	9f 0	2.2	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
(enpoEkydKoranthene	9f 0	U	9f 0	2.9	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
(isE2-chloroethoB6ymethane	9f 0	U	9f 0	90	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
(isE2-chloroeth6lyether	9f 0	U	9f 0	95	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
(isE2-eth6lheB6ly Hhthalate	9f 0	U	9f 0	50	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
(Kt6l benp6l Hhthalate	9f 0	U	9f 0	70	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
CaHrolactam	9f 0	U	9f 0	89	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
Carbapole	9f 0	U	9f 0	2.2	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
Chr6sene	9f 0	U	9f 0	9.f	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
Di-n-bKt6l Hhthalate	9f 0	U	9f 0	57	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solids

TestAmerica Job ID: 480-28951-9

Client Sample ID: PH-30 6'

Date Collected: 11/08/12 10:30
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-3

Matrix: Solid
Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	**20**	**J**	9f 0	4.4	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
DibenpEa,hyanthracene	9f 0	U	9f 0	2.2	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
DibenpozKran	9f 0	U	9f 0	9.f	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
Dieth6l Hhthalate	9f 0	U	9f 0	7.5	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
Dimeth6l Hhthalate	9f 0	U	9f 0	4.f	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
FIKoranthene	9f 0	U	9f 0	2.u	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
FIKorene	9f 0	U	9f 0	4.1	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
x eBachlorobenpene	9f 0	U	9f 0	f .1	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
x eBachlorobKtadiene	9f 0	U	9f 0	f .5	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
x eBachloroc6cloHentadiene	9f 0	U	9f 0	75	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
x eBachloroethane	9f 0	U	9f 0	94	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
IndenoE9,2,1-cdyH6rene	9f 0	U	9f 0	7.2	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
IsoHhorone	9f 0	U	9f 0	f .1	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
N-Nitrosodi-n-HroH6lamine	9f 0	U	9f 0	97	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
N-NitrosodiHhen6lamine	9f 0	U	9f 0	90	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
NaHhthalene	9f 0	U	9f 0	1.9	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
Nitrobenpene	9f 0	U	9f 0	8.1	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
PentachloroHhenol	150	U	150	54	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
Phenanthrene	9f 0	U	9f 0	1.f	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
Phenol	9f 0	U	9f 0	20	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9
P6rene	9f 0	U	9f 0	9.2	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:97	9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Trizrof o0henol	*7B*		*89 - 146*	*11/1B/12 : 73 9*	*11/2: /12 213IB*	*1*
2-Fluorozi0henyl	*54*		*85 - 12:*	*11/1B/12 : 73 9*	*11/2: /12 213IB*	*1*
2-Fluoro0henol	*68*		*17 - 12:*	*11/1B/12 : 73 9*	*11/2: /12 213IB*	*1*
Nitrozenpene-dB	*5B*		*84 - 182*	*11/1B/12 : 73 9*	*11/2: /12 213IB*	*1*
0-Ter0henyl-d14	*57*		*6B - 1B8*	*11/1B/12 : 73 9*	*11/2: /12 213IB*	*1*
Phenol-dB	*58*		*11 - 12:*	*11/1B/12 : 73 9*	*11/2: /12 213IB*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.4**		2.2	0.47	mg/3g	☼	99/94/92 92:20	99/97/92 29:12	9
Barium	**28.5**		0.75	0.92	mg/3g	☼	99/94/92 92:20	99/97/92 29:12	9
CadmiKm	0.22	U	0.22	0.011	mg/3g	☼	99/94/92 92:20	99/97/92 29:12	9
Chromium	**5.1**		0.75	0.22	mg/3g	☼	99/94/92 92:20	99/97/92 29:12	9
Lead	**4.6**		9.9	0.2u	mg/3g	☼	99/94/92 92:20	99/97/92 29:12	9
SeleniKm	4.7	U	4.7	0.47	mg/3g	☼	99/94/92 92:20	99/97/92 29:12	9
Silver	0.75	U	0.75	0.22	mg/3g	☼	99/94/92 92:20	99/97/92 29:12	9

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**		0.029	0.0085	mg/3g	☼	99/92/92 0f :00	99/92/92 94:2u	9

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solids

TestAmerica Job ID: 480-28951-9

Client Sample ID: PH-31 12'
Date Collected: 11/08/12 12:25
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-4
Matrix: Solid
Percent Solids: 94.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9,9,9-Trichloroethane	4.0	U	4.0	0.2f	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
9,9,2,2-Tetrachloroethane	4.0	U	4.0	0.57	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
9,9,2-Trichloroethane	4.0	U	4.0	0.72	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
9,9,2-Trichloro-9,2,2-trizKoroethane	4.0	U	4.0	0.f 2	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
9,9-Dichloroethane	4.0	U	4.0	0.4f	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
9,9-Dichloroethene	4.0	U	4.0	0.4f	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
9,2,4-Trichlorobenpene	4.0	U	4.0	0.24	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
9,2-Dibromo-1-ChloroHroHane	4.0	U	4.0	2.0	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
9,2-Dibromoethane	4.0	U	4.0	0.72	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
9,2-Dichlorobenpene	4.0	U	4.0	0.12	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
9,2-Dichloroethane	4.0	U	4.0	0.20	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
9,2-DichloroHroHane	4.0	U	4.0	2.0	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
9,1-Dichlorobenpene	4.0	U	4.0	0.29	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
9,4-Dichlorobenpene	4.0	U	4.0	0.75	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
2-x eBanone	20	U	20	2.0	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
2-Butanone (MEK)	**10**	**J**	20	9.7	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
4-Methyl-2-pentanone (MIBK)	**1.7**	**J**	20	9.1	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
Acetone	**74**		20	1.4	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
(enpene	4.0	U	4.0	0.20	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
(romodichloromethane	4.0	U	4.0	0.74	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
(romozorm	4.0	U	4.0	2.0	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
(romomethane	4.0	U	4.0	0.15	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
Carbon disKizide	4.0	U	4.0	2.0	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
Carbon tetrachloride	4.0	U	4.0	0.1f	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
Chlorobenpene	4.0	U	4.0	0.71	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
Dibromochloromethane	4.0	U	4.0	0.72	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
Chloroethane	4.0	U	4.0	0.f 9	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
Chlorozorm	4.0	U	4.0	0.27	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
Chloromethane	4.0	U	4.0	0.24	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
cis-9,2-Dichloroethene	4.0	U	4.0	0.72	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
cis-9,1-DichloroHroHene	4.0	U	4.0	0.78	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
C6cloheBane	4.0	U	4.0	0.75	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
DichlorodizKoromethane	4.0	U	4.0	0.11	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
Ethylbenzene	**0.99**	**J**	4.0	0.28	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
IsoHroH6lbenpene	4.0	U	4.0	0.59	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
Meth6l acetate	4.0	U	4.0	0.u7	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
Meth6l tert-bKt6l ether	4.0	U	4.0	0.40	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
Meth6lc6cloheBane	4.0	U	4.0	0.59	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
Meth6lene Chloride	4.0	U	4.0	9.f	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
St6rene	4.0	U	4.0	0.20	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
Tetrachloroethene	4.0	U	4.0	0.74	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
Toluene	**0.57**	**J**	4.0	0.10	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
trans-9,2-Dichloroethene	4.0	U	4.0	0.42	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
trans-9,1-DichloroHroHene	4.0	U	4.0	9.8	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
Trichloroethene	4.0	U	4.0	0.8f	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
TrichlorozKoromethane	4.0	U	4.0	0.18	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
Vin6l chloride	4.0	U	4.0	0.4f	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9
Xylenes, Total	**3.3**	**J**	8.9	0.58	Kg/3g	☼	99/94/92 90:41	99/97/92 02:99	9

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solids

TestAmerica Job ID: 480-28951-9

Client Sample ID: PH-31 12'

Date Collected: 11/08/12 12:25
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-4

Matrix: Solid
Percent Solids: 94.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*64 - 126*	*11/14/12 1: 3/48*	*11/1B/12 : 23/11*	*1*
Toluene-d7 (Surr)	*74*		*51 - 12B*	*11/14/12 1: 3/48*	*11/1B/12 : 23/11*	*1*
4-mrof obluorozenpene (Surr)	*7:*		*52 - 126*	*11/14/12 1: 3/48*	*11/1B/12 : 23/11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
(iHhen6l	9800	U	9800	990	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
bis E2-chloroisoHroH6lyether	9800	U	9800	9f 0	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
2,4,7-TrichloroHhenol	9800	U	9800	1f 0	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
2,4,5-TrichloroHhenol	9800	U	9800	920	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
2,4-DichloroHhenol	9800	U	9800	f 1	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
2,4-Dimeth6lHhenol	9800	U	9800	480	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
2,4-DinitroHhenol	1700	U	1700	520	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
2,4-DinitrotolKene	9800	U	9800	2u0	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
2,5-DinitrotolKene	9800	U	9800	410	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
2-ChloronaHhthalene	9800	U	9800	920	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
2-ChloroHhenol	9800	U	9800	f 0	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
2-Meth6lnaHhthalene	9800	U	9800	29	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
2-Meth6lHhenol	9800	U	9800	74	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
2-Nitroaniline	1700	U	1700	7u0	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
2-NitroHhenol	9800	U	9800	89	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
1,1'-Dichlorobenpidine	9800	U	9800	9500	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
1-Nitroaniline	1700	U	1700	490	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
4,5-Dinitro-2-meth6lHhenol	1700	U	1700	590	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
4-(romoHhen6l Hhen6l ether	9800	U	9800	750	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
4-Chloro-1-meth6lHhenol	9800	U	9800	u1	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
4-Chloroaniline	9800	U	9800	720	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
4-ChloroHhen6l Hhen6l ether	9800	U	9800	18	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
4-Meth6lHhenol	1700	U	1700	f f	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
4-Nitroaniline	1700	U	1700	200	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
4-NitroHhenol	1700	U	1700	410	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
Acenaphthene	**170**	**J**	9800	29	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
AcenaHhth6lene	9800	U	9800	94	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
AcetoHhenone	9800	U	9800	f 9	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
Anthracene	9800	U	9800	47	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
Atrapine	9800	U	9800	uf	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
(enpaldeh6de	9800	U	9800	9f 0	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
(enpoEayanthracene	9800	U	9800	19	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
(enpoEayH6rene	9800	U	9800	41	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
(enpoEbyzKoranthene	9800	U	9800	14	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
(enpoEg,h,iyHer6lene	9800	U	9800	29	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
(enpoEkyzKoranthene	9800	U	9800	20	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
(isE2-chloroethoB6ymethane	9800	U	9800	f 5	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
(isE2-chloroeth6lyether	9800	U	9800	970	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
Bis(2-ethylhexyl) phthalate	**1300**	**J B**	9800	7u0	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
(Kt6l benp6l Hhthalate	9800	U	9800	480	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
CaHrolactam	9800	U	9800	uu0	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
Carbapole	9800	U	9800	20	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
Chr6sene	9800	U	9800	98	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
Di-n-bKt6l Hhthalate	9800	U	9800	590	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solids

TestAmerica Job ID: 480-28951-9

Client Sample ID: PH-31 12'

Date Collected: 11/08/12 12:25
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-4

Matrix: Solid
Percent Solids: 94.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-oct6l Hhthalate	9800	U	9800	49	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
DibenpEa,hyanthracene	9800	U	9800	29	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
DibenpozKran	9800	U	9800	98	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
Dieth6l Hhthalate	9800	U	9800	74	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
Dimeth6l Hhthalate	9800	U	9800	45	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
Fluoranthene	**410**	**J**	9800	25	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
Fluorene	**210**	**J**	9800	49	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
x eBachlorobenpene	9800	U	9800	88	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
x eBachlorobKtadiene	9800	U	9800	f 9	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
x eBachloroc6cloHentadiene	9800	U	9800	740	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
x eBachloroethane	9800	U	9800	940	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
IndenoE9,2,1-cdyH6rene	9800	U	9800	4f	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
IsoHhorone	9800	U	9800	8f	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
N-Nitrosodi-n-HroH6lamine	9800	U	9800	940	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
N-NitrosodiHhen6lamine	9800	U	9800	f u	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
NaHhthalene	9800	U	9800	2f	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
Nitrobenpene	9800	U	9800	uf	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
PentachloroHhenol	1700	U	1700	590	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
Phenanthrene	**720**	**J**	9800	1u	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
Phenol	9800	U	9800	9f 0	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90
Pyrene	**280**	**J**	9800	99	Kg/3g	☼	99/97/92 08:0f	99/20/92 29:18	90

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Trizrof o0henol	*57*		*89 - 146*	*11/1B/12 : 73 9*	*11/2: /12 213:37*	*1:*
2-Fluorozi0henyl	*7:*		*85 - 12:*	*11/1B/12 : 73 9*	*11/2: /12 213:37*	*1:*
2-Fluoro0henol	*47*		*17 - 12:*	*11/1B/12 : 73 9*	*11/2: /12 213:37*	*1:*
Nitrozenpene-dB	*65*		*84 - 182*	*11/1B/12 : 73 9*	*11/2: /12 213:37*	*1:*
0-Ter0henyl-d14	*59*		*6B - 1B8*	*11/1B/12 : 73 9*	*11/2: /12 213:37*	*1:*
Phenol-dB	*62*		*11 - 12:*	*11/1B/12 : 73 9*	*11/2: /12 213:37*	*1:*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.0**	**J**	2.1	0.45	mg/3g	☼	99/94/92 92:20	99/97/92 29:14	9
Barium	**51.1**		0.78	0.91	mg/3g	☼	99/94/92 92:20	99/97/92 29:14	9
Cadmium	**0.094**	**J**	0.21	0.017	mg/3g	☼	99/94/92 92:20	99/9f /92 20:47	9
Chromium	**18.6**		0.78	0.21	mg/3g	☼	99/94/92 92:20	99/97/92 29:14	9
Lead	**1.2**		9.2	0.28	mg/3g	☼	99/94/92 92:20	99/97/92 29:14	9
SeleniKm	4.5	U	4.5	0.45	mg/3g	☼	99/94/92 92:20	99/97/92 29:14	9
Silver	0.78	U	0.78	0.21	mg/3g	☼	99/94/92 92:20	99/97/92 29:14	9

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MercKr6	0.020	U	0.020	0.0082	mg/3g	☼	99/92/92 0f :00	99/92/92 94:2f	9

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solids

TestAmerica Job ID: 480-28951-9

Client Sample ID: PH-33 1'
Date Collected: 11/08/12 16:25
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-5
Matrix: Solid
Percent Solids: 96.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9,9,9-Trichloroethane	4.u	U	4.u	0.14	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
9,9,2,2-Tetrachloroethane	4.u	U	4.u	0.uu	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
9,9,2-Trichloroethane	4.u	U	4.u	0.59	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
9,9,2-Trichloro-9,2,2-trizKoroethane	4.u	U	4.u	9.9	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
9,9-Dichloroethane	4.u	U	4.u	0.78	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
9,9-Dichloroethene	4.u	U	4.u	0.78	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
9,2,4-Trichlorobenpene	4.u	U	4.u	0.2f	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
9,2-Dibromo-1-ChloroHroHane	4.u	U	4.u	2.4	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
9,2-Dibromoethane	4.u	U	4.u	0.59	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
9,2-Dichlorobenpene	4.u	U	4.u	0.1u	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
9,2-Dichloroethane	4.u	U	4.u	0.24	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
9,2-DichloroHroHane	4.u	U	4.u	2.4	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
9,1-Dichlorobenpene	4.u	U	4.u	0.24	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
9,4-Dichlorobenpene	4.u	U	4.u	0.55	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
2-x eBanone	24	U	24	2.4	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
2-Butanone (MEK)	**17**	**J**	24	9.u	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
4-Meth6l-2-Hentanone EMI(3y	24	U	24	9.5	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
Acetone	**80**		24	4.0	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
(enpene	4.u	U	4.u	0.21	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
(romodichloromethane	4.u	U	4.u	0.51	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
(romozorm	4.u	U	4.u	2.4	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
(romomethane	4.u	U	4.u	0.41	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
Carbon disKizide	4.u	U	4.u	2.4	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
Carbon tetrachloride	4.u	U	4.u	0.45	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
Chlorobenpene	4.u	U	4.u	0.52	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
Dibromochloromethane	4.u	U	4.u	0.59	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
Chloroethane	4.u	U	4.u	9.9	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
Chlorozorm	4.u	U	4.u	0.2f	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
Chloromethane	4.u	U	4.u	0.2f	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
cis-9,2-Dichloroethene	4.u	U	4.u	0.59	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
cis-9,1-DichloroHroHene	4.u	U	4.u	0.58	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
C6cloheBane	4.u	U	4.u	0.55	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
DichlorodizKoromethane	4.u	U	4.u	0.1f	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
Ethylbenzene	**0.62**	**J**	4.u	0.11	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
IsoHroH6lbenpene	4.u	U	4.u	0.u9	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
Meth6l acetate	4.u	U	4.u	0.88	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
Meth6l tert-bKt6l ether	4.u	U	4.u	0.45	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
Meth6lc6cloheBane	4.u	U	4.u	0.u2	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
Meth6lene Chloride	4.u	U	4.u	2.2	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
Styrene	**4.0**	**J**	4.u	0.24	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
Tetrachloroethene	**0.81**	**J**	4.u	0.51	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
Toluene	**0.96**	**J**	4.u	0.15	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
trans-9,2-Dichloroethene	4.u	U	4.u	0.4f	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
trans-9,1-DichloroHroHene	4.u	U	4.u	2.9	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
Trichloroethene	4.u	U	4.u	9.0	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
TrichlorozKoromethane	4.u	U	4.u	0.47	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
Vin6l chloride	4.u	U	4.u	0.78	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9
Xylenes, Total	**0.97**	**J**	f .7	0.uf	Kg/3g	☼	99/94/92 90:41	99/97/92 02:15	9

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solids

TestAmerica Job ID: 480-28951-9

Client Sample ID: PH-33 1'

Date Collected: 11/08/12 16:25
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-5

Matrix: Solid
Percent Solids: 96.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*64 - 126*	*11/14/12 1: 348*	*11/1B/12 : 2336*	*1*
Toluene-d7 (Surr)	*9:*		*51 - 12B*	*11/14/12 1: 348*	*11/1B/12 : 2336*	*1*
4-mrof obluorozenpene (Surr)	*77*		*52 - 126*	*11/14/12 1: 348*	*11/1B/12 : 2336*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
(iHhen6l	9u00	U	9u00	990	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
bis E2-chloroisoHroH6lyether	9u00	U	9u00	980	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
2,4,7-TrichloroHhenol	9u00	U	9u00	180	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
2,4,5-TrichloroHhenol	9u00	U	9u00	990	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
2,4-DichloroHhenol	9u00	U	9u00	f 9	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
2,4-Dimeth6lHhenol	9u00	U	9u00	4u0	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
2,4-DinitroHhenol	1400	U	1400	590	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
2,4-DinitrotolKene	9u00	U	9u00	2u0	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
2,5-DinitrotolKene	9u00	U	9u00	410	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
2-ChloronaHhthalene	9u00	U	9u00	920	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
2-ChloroHhenol	9u00	U	9u00	88	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
2-Meth6lnaHhthalene	9u00	U	9u00	29	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
2-Meth6lHhenol	9u00	U	9u00	71	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
2-Nitroaniline	1400	U	1400	750	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
2-NitroHhenol	9u00	U	9u00	uf	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
1,1'-Dichlorobenpidine	9u00	U	9u00	9700	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
1-Nitroaniline	1400	U	1400	400	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
4,5-Dinitro-2-meth6lHhenol	1400	U	1400	500	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
4-(romoHhen6l Hhen6l ether	9u00	U	9u00	770	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
4-Chloro-1-meth6lHhenol	9u00	U	9u00	u9	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
4-Chloroaniline	9u00	U	9u00	790	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
4-ChloroHhen6l Hhen6l ether	9u00	U	9u00	1u	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
4-Meth6lHhenol	1400	U	1400	f u	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
4-Nitroaniline	1400	U	1400	9f 0	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
4-NitroHhenol	1400	U	1400	420	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
AcenaHhthene	9u00	U	9u00	20	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
AcenaHhth6lene	9u00	U	9u00	94	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
AcetoHhenone	9u00	U	9u00	8f	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
Anthracene	9u00	U	9u00	44	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
Atrapine	9u00	U	9u00	uu	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
(enpaldeh6de	9u00	U	9u00	9f 0	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
(enpoEayanthracene	9u00	U	9u00	10	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
(enpoEayH6rene	9u00	U	9u00	42	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
(enpoEbydKoranthene	9u00	U	9u00	14	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
(enpoEg,h,iyHer6lene	9u00	U	9u00	29	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
(enpoEkydKoranthene	9u00	U	9u00	9f	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
(isE2-chloroethoB6ymethane	9u00	U	9u00	f 7	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
(isE2-chloroeth6lyether	9u00	U	9u00	970	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
Bis(2-ethylhexyl) phthalate	**1500**	**J**	9u00	750	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
(Kt6l benp6l Hhthalate	9u00	U	9u00	4u0	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
CaHrolactam	9u00	U	9u00	u70	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
Carbapole	9u00	U	9u00	20	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
Chr6sene	9u00	U	9u00	9u	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
Di-n-bKt6l Hhthalate	9u00	U	9u00	500	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site - Solids

TestAmerica Job ID: 480-28951-9

Client Sample ID: PH-33 1'

Date Collected: 11/08/12 16:25
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-5

Matrix: Solid
Percent Solids: 96.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-oct6l Hhthalate	9u00	U	9u00	49	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
DibenpEa,hyanthracene	9u00	U	9u00	20	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
DibenpozKran	9u00	U	9u00	98	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
Diethyl phthalate	**740**	**J**	9u00	72	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
Dimeth6l Hhthalate	9u00	U	9u00	47	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
FIKoranthene	9u00	U	9u00	27	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
FIKorene	9u00	U	9u00	40	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
x eBachlorobenpene	9u00	U	9u00	85	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
x eBachlorobKtadiene	9u00	U	9u00	8f	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
x eBachloroc6cloHentadiene	9u00	U	9u00	710	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
x eBachloroethane	9u00	U	9u00	910	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
IndenoE9,2,1-cdyH6rene	9u00	U	9u00	48	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
IsoHhorone	9u00	U	9u00	8u	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
N-Nitrosodi-n-HroH6lamine	9u00	U	9u00	940	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
N-NitrosodiHhen6lamine	9u00	U	9u00	f 7	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
NaHhthalene	9u00	U	9u00	2f	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
Nitrobenpene	9u00	U	9u00	uu	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
PentachloroHhenol	1400	U	1400	500	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
Phenanthrene	9u00	U	9u00	15	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
Phenol	9u00	U	9u00	980	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90
P6rene	9u00	U	9u00	99	Kg/3g	☼	99/91/92 08:98	99/97/92 94:40	90

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Trizrof o0henol	*7:*		*89 - 146*	*11/18/12 : 73l7*	*11/1B/12 1434:*	*1:*
2-Fluorozi0henyl	*91*		*85 - 12:*	*11/18/12 : 73l7*	*11/1B/12 1434:*	*1:*
2-Fluoro0henol	*B7*		*17 - 12:*	*11/18/12 : 73l7*	*11/1B/12 1434:*	*1:*
Nitrozenpene-dB	*52*		*84 - 182*	*11/18/12 : 73l7*	*11/1B/12 1434:*	*1:*
0-Ter0henyl-d14	*96*		*6B - 1B8*	*11/18/12 : 73l7*	*11/1B/12 1434:*	*1:*
Phenol-dB	*67*		*11 - 12:*	*11/18/12 : 73l7*	*11/1B/12 1434:*	*1:*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.4**		9.f	0.1f	mg/3g	☼	99/94/92 92:20	99/97/92 29:49	9
Barium	**267**		0.4f	0.99	mg/3g	☼	99/94/92 92:20	99/97/92 29:49	9
CadmiKm	0.9f	U	0.9f	0.02f	mg/3g	☼	99/94/92 92:20	99/97/92 29:49	9
Chromium	**6.6**		0.4f	0.9f	mg/3g	☼	99/94/92 92:20	99/97/92 29:49	9
Lead	**4.3**		0.f u	0.21	mg/3g	☼	99/94/92 92:20	99/97/92 29:49	9
Selenium	**0.62**	**J**	1.f	0.1f	mg/3g	☼	99/94/92 92:20	99/97/92 29:49	9
Silver	0.4f	U	0.4f	0.9f	mg/3g	☼	99/94/92 92:20	99/97/92 29:49	9

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.018**	**J**	0.09f	0.00uu	mg/3g	☼	99/92/92 0f :00	99/92/92 94:14	9

Surrogate Summary

Client: TTL, Inc.
Project/Site: Magna Site - Solids

TestAmerica Job ID: 480-28163-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	TOL	BFB
Lab Sample ID	Client Sample ID	(64-126)	(71-125)	(72-126)
480-28163-1	PH-28 2'	94	81	84
480-28163-2	PH-29 10'	100	87	87
480-28163-3	PH-30 6'	96	84	83
480-28163-4	PH-31 12'	92	84	80
480-28163-5	PH-33 1'	99	90	88
LCS 480-90772/4	Lab Control Sample	94	82	86
LCS 480-90981/4	Lab Control Sample	99	85	88
MB 480-90772/5	Method Blank	86	82	82
MB 480-90981/5	Method Blank	96	88	89

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**

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	TOL	BFB
Lab Sample ID	Client Sample ID	(53-146)	(50-149)	(49-148)
480-28163-1 - DL	PH-28 2'	114	120	119
LCS 480-91603/1-A	Lab Control Sample	115	123	122
MB 480-91603/2-A	Method Blank	115	121	119

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**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPH	PHL
Lab Sample ID	Client Sample ID	(39-146)	(37-120)	(18-120)	(34-132)	(65-153)	(11-120)
480-28163-1	PH-28 2'	81	70	59	68	71	69
480-28163-1 MS	PH-28 2'	91	77	68	76	80	76
480-28163-1 MSD	PH-28 2'	93	82	73	83	84	83
480-28163-2	PH-29 10'	85	72	62	73	78	74
480-28163-3	PH-30 6'	85	74	63	75	78	73
480-28163-4	PH-31 12'	78	80	48	67	79	62
480-28163-5	PH-33 1'	80	91	58	72	96	68
LCS 480-91044/2-A	Lab Control Sample	92	80	71	80	86	79
MB 480-91044/1-A	Method Blank	97	90	79	90	96	90

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol

Surrogate Summary

Client: TTL, Inc.
Project/Site: Magna Site - Solids

TestAmerica Job ID: 480-28163-1

NBZ = Nitrobenzene-d5
TPH = p-Terphenyl-d14
PHL = Phenol-d5

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

Lab Sample ID: MB 480-90772/x
MatriP: Solid
F nalNsis Batch: 90772

Client Sample ID: Method Blank
Trep yNpe: yotal/AF

F nalNte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	F nalNUed	Dil zac
7.7.7-Tric5roroet5aLe	3P0	U	3P0	0P06	91Su1			77S4S72 77:73	7
7.7.2.2-Tetrac5roroet5aLe	3P0	U	3P0	0P87	91Su1			77S4S72 77:73	7
7.7.2-Tric5roroet5aLe	3P0	U	3P0	0P63	91Su1			77S4S72 77:73	7
7.7.2-Tric5roro-7.2.2-trik9oroet5aLe	3P0	U	3P0	7P7	91Su1			77S4S72 77:73	7
7.7-Dic5roroet5aLe	3P0	U	3P0	0P67	91Su1			77S4S72 77:73	7
7.7-Dic5roroet5eLe	3P0	U	3P0	0P67	91Su1			77S4S72 77:73	7
7.2.4-Tric5rorobeLf eLe	3P0	U	3P0	0P00	91Su1			77S4S72 77:73	7
7.2-Dibromo-C-I 5rorozrozaLe	3P0	U	3P0	2P3	91Su1			77S4S72 77:73	7
7.2-Dibromoet5aLe	3P0	U	3P0	0P64	91Su1			77S4S72 77:73	7
7.2-Dic5rorobeLf eLe	3P0	U	3P0	0P0p	91Su1			77S4S72 77:73	7
7.2-Dic5roroet5aLe	3P0	U	3P0	0P23	91Su1			77S4S72 77:73	7
7.2-Dic5rorozrozaLe	3P0	U	3P0	2P3	91Su1			77S4S72 77:73	7
7.C-Dic5rorobeLf eLe	3P0	U	3P0	0P26	91Su1			77S4S72 77:73	7
7.4-Dic5rorobeLf eLe	3P0	U	3P0	0P-0	91Su1			77S4S72 77:73	7
2-x eBaLoLe	23	U	23	2P3	91Su1			77S4S72 77:73	7
2-(9taLoLe Eg) uy	23	U	23	7P3	91Su1			77S4S72 77:73	7
4-g et5dn2-zeLtaLoLe Eg I(uy	23	U	23	7P6	91Su1			77S4S72 77:73	7
AcetoLe	23	U	23	4P2	91Su1			77S4S72 77:73	7
(eLf eLe	3P0	U	3P0	0P23	91Su1			77S4S72 77:73	7
(romohic5roromet5aLe	3P0	U	3P0	0P6H	91Su1			77S4S72 77:73	7
(romok9rm	3P0	U	3P0	2P3	91Su1			77S4S72 77:73	7
(romomet5aLe	3P0	U	3P0	0P43	91Su1			77S4S72 77:73	7
I arboL his9rik9he	3P0	U	3P0	2P3	91Su1			77S4S72 77:73	7
I arboL tetrac5rorihe	3P0	U	3P0	0P48	91Su1			77S4S72 77:73	7
I 5rorobeLf eLe	3P0	U	3P0	0P66	91Su1			77S4S72 77:73	7
Dibromoc5roromet5aLe	3P0	U	3P0	0P64	91Su1			77S4S72 77:73	7
I 5roroet5aLe	3P0	U	3P0	7P7	91Su1			77S4S72 77:73	7
I 5rorok9rm	3P0	U	3P0	0P07	91Su1			77S4S72 77:73	7
I 5roromet5aLe	3P0	U	3P0	0P00	91Su1			77S4S72 77:73	7
cis-7.2-Dic5roroet5eLe	3P0	U	3P0	0P64	91Su1			77S4S72 77:73	7
cis-7.C-Dic5rorozrozeLe	3P0	U	3P0	0P-2	91Su1			77S4S72 77:73	7
I dcro5eBaLe	3P0	U	3P0	0P-0	91Su1			77S4S72 77:73	7
Dic5rorohik9oromet5aLe	3P0	U	3P0	0P47	91Su1			77S4S72 77:73	7
) t5drbeLf eLe	3P0	U	3P0	0P03	91Su1			77S4S72 77:73	7
Isozrozdrbe Lf eLe	3P0	U	3P0	0P-3	91Su1			77S4S72 77:73	7
g et5dnacetate	3P0	U	3P0	0PpC	91Su1			77S4S72 77:73	7
g et5dntert-b9tdnet5er	3P0	U	3P0	0P4p	91Su1			77S4S72 77:73	7
g et5drcdcro5eBaLe	3P0	U	3P0	0P-6	91Su1			77S4S72 77:73	7
g et5dreLe I 5rorihe	3P0	U	3P0	2P0	91Su1			77S4S72 77:73	7
MtdreLe	3P0	U	3P0	0P23	91Su1			77S4S72 77:73	7
Tetrac5roroet5eLe	3P0	U	3P0	0P6H	91Su1			77S4S72 77:73	7
Tor9eLe	3P0	U	3P0	0P08	91Su1			77S4S72 77:73	7
traLs-7.2-Dic5roroet5eLe	3P0	U	3P0	0P32	91Su1			77S4S72 77:73	7
traLs-7.C-Dic5rorozrozeLe	3P0	U	3P0	2P2	91Su1			77S4S72 77:73	7
Tric5roroet5eLe	3P0	U	3P0	7P7	91Su1			77S4S72 77:73	7
Tric5rorok9oromet5aLe	3P0	U	3P0	0P4H	91Su1			77S4S72 77:73	7
ViLdnc5rorihe	3P0	U	3P0	0P67	91Su1			77S4S72 77:73	7
XdreLes. Totan	70	U	70	0P84	91Su1			77S4S72 77:73	7

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

Lab Sample ID: MB 480-90772/x — **Client Sample ID: Method Blank**
MatriP: Solid — **Trep yNpe: yotal/AF**
F nalNsis Batch: 90772

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		64 - 126		11/14/12 11:13	1
8oluene-d9 (Surr)	92		T1 - 123		11/14/12 11:13	1
4-7ro5 oBuoromenf ene (Surr)	92		T2 - 126		11/14/12 11:13	1

Lab Sample ID: LCS 480-90772/4 — **Client Sample ID: Lab Control Sample**
MatriP: Solid — **Trep yNpe: yotal/AF**
F nalNsis Batch: 90772

F nalNte	Spike F dded	LCS Result	LCS Quali%er	f nit	D	. Rec	. Rec3 Limits
7.7-Dic5rroet5aLe	30P0	30P0		91Su1		700	HC - 726
7.7-Dic5rroet5eLe	30P0	43P4		91Su1		p7	3p - 723
7.2-Dic5rrobeLf eLe	30P0	30PC		91Su1		707	H3 - 720
7.2-Dic5rroet5aLe	30P0	3pP4		91Su1		77p	HH - 722
(eLf eLe	30P0	48P0		91Su1		p6	Hp - 72H
l 5rrobeLf eLe	30P0	48P7		91Su1		p6	H6 - 724
cis-7.2-Dic5rroet5eLe	30P0	4pP2		91Su1		p8	87 - 77H
) t5drbeLf eLe	30P0	4HP0		91Su1		p6	80 - 720
g et5dntert-b9tdnet5er	30P0	32P3		91Su1		703	6C - 723
Tetrac5rroet5eLe	30P0	48P7		91Su1		p6	H4 - 722
Tor9eLe	30P0	46P4		91Su1		pC	H4 - 728
traLs-7.2-Dic5rroet5eLe	30P0	48P8		91Su1		p8	H8 - 726
Tric5rroet5eLe	30P0	4pP3		91Su1		pp	HH - 72p

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	b4		64 - 126
8oluene-d9 (Surr)	92		T1 - 123
4-7ro5 oBuoromenf ene (Surr)	96		T2 - 126

Lab Sample ID: MB 480-90981/x — **Client Sample ID: Method Blank**
MatriP: Solid — **Trep yNpe: yotal/AF**
F nalNsis Batch: 90981

F nalNte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	F nalNUed	Dil zac
7.7.7-Tric5rroet5aLe	3P0	U	3P0	0PC6	91Su1			77S4S72 2C:2H	7
7.7.2.2-Tetrac5rroet5aLe	3P0	U	3P0	0P87	91Su1			77S4S72 2C:2H	7
7.7.2-Tric5rroet5aLe	3P0	U	3P0	0P63	91Su1			77S4S72 2C:2H	7
7.7.2-Tric5rro-7.2.2-trik9oroet5aLe	3P0	U	3P0	7P7	91Su1			77S4S72 2C:2H	7
7.7-Dic5rroet5aLe	3P0	U	3P0	0P67	91Su1			77S4S72 2C:2H	7
7.7-Dic5rroet5eLe	3P0	U	3P0	0P67	91Su1			77S4S72 2C:2H	7
7.2.4-Tric5rrobeLf eLe	3P0	U	3P0	0PC0	91Su1			77S4S72 2C:2H	7
7.2-Dibromo-C-l 5rrorozrozaLe	3P0	U	3P0	2P3	91Su1			77S4S72 2C:2H	7
7.2-Dibromoet5aLe	3P0	U	3P0	0P64	91Su1			77S4S72 2C:2H	7
7.2-Dic5rrobeLf eLe	3P0	U	3P0	0PCp	91Su1			77S4S72 2C:2H	7
7.2-Dic5rroet5aLe	3P0	U	3P0	0P23	91Su1			77S4S72 2C:2H	7
7.2-Dic5rrozrozaLe	3P0	U	3P0	2P3	91Su1			77S4S72 2C:2H	7
7.C-Dic5rrobeLf eLe	3P0	U	3P0	0P26	91Su1			77S4S72 2C:2H	7
7.4-Dic5rrobeLf eLe	3P0	U	3P0	0PH0	91Su1			77S4S72 2C:2H	7
2-x eBaLoLe	23	U	23	2P3	91Su1			77S4S72 2C:2H	7

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

Lab Sample ID: MB 480-90981/x
MatriP: Solid
F nalNsis Batch: 90981

Client Sample ID: Method Blank
Trep yNpe: yotal/AF

F nalNte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	F nalNUed	Dil zac
2-(9taLoLe Eg) uy	23	U	23	7F3	91Su1			77S4S72 2C:2H	7
4-g et5dn2-zeLtaLoLe Eg I(uy	23	U	23	7F6	91Su1			77S4S72 2C:2H	7
AcetoLe	23	U	23	4F2	91Su1			77S4S72 2C:2H	7
(eLf eLe	3F0	U	3F0	0F23	91Su1			77S4S72 2C:2H	7
(romohic5rromet5aLe	3F0	U	3F0	0F6H	91Su1			77S4S72 2C:2H	7
(romok6rm	3F0	U	3F0	2F3	91Su1			77S4S72 2C:2H	7
(romomet5aLe	3F0	U	3F0	0F43	91Su1			77S4S72 2C:2H	7
I arboL his9rkhe	3F0	U	3F0	2F3	91Su1			77S4S72 2C:2H	7
I arboL tetrac5rrrihe	3F0	U	3F0	0F48	91Su1			77S4S72 2C:2H	7
I 5rrrobeLf eLe	3F0	U	3F0	0F66	91Su1			77S4S72 2C:2H	7
Dibromoc5rromet5aLe	3F0	U	3F0	0F64	91Su1			77S4S72 2C:2H	7
I 5rroroet5aLe	3F0	U	3F0	7F7	91Su1			77S4S72 2C:2H	7
I 5rrok6rm	3F0	U	3F0	0FC7	91Su1			77S4S72 2C:2H	7
I 5rromet5aLe	3F0	U	3F0	0FC0	91Su1			77S4S72 2C:2H	7
cis-7.2-Dic5rroet5eLe	3F0	U	3F0	0F64	91Su1			77S4S72 2C:2H	7
cis-7.C-Dic5rrozrozeLe	3F0	U	3F0	0FH2	91Su1			77S4S72 2C:2H	7
I dcro5eBaLe	3F0	U	3F0	0FH0	91Su1			77S4S72 2C:2H	7
Dic5rrohik9oromet5aLe	3F0	U	3F0	0F47	91Su1			77S4S72 2C:2H	7
) t5drbeLf eLe	3F0	U	3F0	0FC3	91Su1			77S4S72 2C:2H	7
Isozrozdrbeef eLe	3F0	U	3F0	0FH3	91Su1			77S4S72 2C:2H	7
g et5dnacetate	3F0	U	3F0	0FpC	91Su1			77S4S72 2C:2H	7
g et5dntert-b9tdnet5er	3F0	U	3F0	0F4p	91Su1			77S4S72 2C:2H	7
g et5drcdcro5eBaLe	3F0	U	3F0	0FH6	91Su1			77S4S72 2C:2H	7
g et5drreLe I 5rrrihe	3F0	U	3F0	2FC	91Su1			77S4S72 2C:2H	7
MtdreLe	3F0	U	3F0	0F23	91Su1			77S4S72 2C:2H	7
Tetrac5rroet5eLe	3F0	U	3F0	0F6H	91Su1			77S4S72 2C:2H	7
Tor9eLe	3F0	U	3F0	0FC8	91Su1			77S4S72 2C:2H	7
traLs-7.2-Dic5rroet5eLe	3F0	U	3F0	0F32	91Su1			77S4S72 2C:2H	7
traLs-7.C-Dic5rrozrozeLe	3F0	U	3F0	2F2	91Su1			77S4S72 2C:2H	7
Tric5rroet5eLe	3F0	U	3F0	7F7	91Su1			77S4S72 2C:2H	7
Tric5rrok9oromet5aLe	3F0	U	3F0	0F4H	91Su1			77S4S72 2C:2H	7
ViLdnc5rrrihe	3F0	U	3F0	0F67	91Su1			77S4S72 2C:2H	7
XdreLes. Totan	70	U	70	0F34	91Su1			77S4S72 2C:2H	7

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*b6*		*64 - 126*		*11/14/12 2z:2T*	*1*
8oluene-d9 (Surr)	*99*		*T1 - 123*		*11/14/12 2z:2T*	*1*
4-7ro5 oBuoromenf ene (Surr)	*9b*		*T2 - 126*		*11/14/12 2z:2T*	*1*

Lab Sample ID: LCS 480-90981/4
MatriP: Solid
F nalNsis Batch: 90981

Client Sample ID: Lab Control Sample
Trep yNpe: yotal/AF

F nalNte	Spike F dded	LCS Result	LCS Quali%er	f nit	D	. Rec	. Rec3 Limits
7.7-Dic5rroet5aLe	30F0	30FH		91Su1		707	HC - 726
7.7-Dic5rroet5eLe	30F0	48F6		91Su1		pH	3p - 723
7.2-Dic5rrobeLf eLe	30F0	48Fp		91Su1		p8	H3 - 720
7.2-Dic5rroet5aLe	30F0	60F3		91Su1		727	HH - 722

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

Lab Sample ID: LCS 480-90981/4
MatriP: Solid
FnalNsis Batch: 90981

Client Sample ID: Lab Control Sample
Trep yNpe: yotal/AF

FnalNte	Spike Fdded	LCS Result	LCS Quali%er	f nit	D	. Rec	. Rec3 Limits
(eLf eLe	30P0	48PC		91Su1		pH	Hp - 72H
I 5rorobeLf eLe	30P0	4HP2		91Su1		p4	H6 - 724
cis-7.2-Dic5rroet5eLe	30P0	4pPp		91Su1		700	87 - 77H
) t5drbeLf eLe	30P0	48P2		91Su1		p6	80 - 720
g et5dntert-b9tdnet5er	30P0	36Pp		91Su1		774	6C - 723
Tetrac5rroet5eLe	30P0	4pP8		91Su1		700	H4 - 722
Tor9eLe	30P0	46P4		91Su1		pC	H4 - 728
traLs-7.2-Dic5rroet5eLe	30P0	48PC		91Su1		pH	H8 - 726
Tric5rroet5eLe	30P0	30Pp		91Su1		702	HH - 72p

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*bb*		*64 - 126*
8oluene-d9 (Surr)	*93*		*T1 - 123*
4-7ro5 oBuoromenf ene (Surr)	*99*		*T2 - 126*

Lab Sample ID: MB 480-91605/2-F
MatriP: Solid
FnalNsis Batch: 91x78

Client Sample ID: Method Blank
Trep yNpe: yotal/AF
Trep Batch: 91605

FnalNte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	FnalNUed	Dil zac
7.7.7-Tric5rroet5aLe	700	U	700	28	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
7.7.2.2-Tetrac5rroet5aLe	700	U	700	76	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
7.7.2-Tric5rroet5aLe	700	U	700	27	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
7.7.2-Tric5rro-7.2.2-trik9oroet5aLe	700	U	700	30	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
7.7-Dic5rroet5aLe	700	U	700	C7	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
7.7-Dic5rroet5eLe	700	U	700	C3	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
7.2.4-Tric5rrobeLf eLe	700	U	700	C8	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
7.2-Dibromo-C-I 5rrorozrozaLe	700	U	700	30	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
7.2-Dibromoet5aLe	700	U	700	CP8	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
7.2-Dic5rrobeLf eLe	700	U	700	26	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
7.2-Dic5rroet5aLe	700	U	700	47	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
7.2-Dic5rrozrozaLe	700	U	700	76	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
7.C-Dic5rrobeLf eLe	700	U	700	2H	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
7.4-Dic5rrobeLf eLe	700	U	700	74	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
2-x eBaLoLe	300	U	300	270	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
2-(9taLoLe Eg) uy	300	U	300	C00	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
4-g et5dn2-zeLtaLoLe Eg I(uy	300	U	300	C2	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
AcetoLe	300	U	300	470	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
(eLf eLe	700	U	700	4P8	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
(romohic5rromet5aLe	700	U	700	20	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
(romok6rm	700	U	700	30	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
(romomet5aLe	700	U	700	22	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
I arboL his9rik6he	700	U	700	46	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
I arboL tetrac5rrihe	700	U	700	26	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
I 5rrobeLf eLe	700	U	700	7C	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
Dibromoc5rromet5aLe	700	U	700	48	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
I 5rroet5aLe	700	U	700	27	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
I 5rrok6rm	700	U	700	6p	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7

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

Lab Sample ID: MB 480-91605/2-F
MatriP: Solid
F nalNsis Batch: 91x78

Client Sample ID: Method Blank
Trep yNpe: yotal/AF
Trep Batch: 91605

F nalNte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	F nalNUed	Dil zac
I 5roromet5aLe	700	U	700	24	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
cis-7.2-Dic5roroet5eLe	700	U	700	28	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
cis-7.C-Dic5rorozrozeLe	700	U	700	24	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
I dcro5eBaLe	700	U	700	22	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
Dic5rorohiK9oromet5aLe	700	U	700	44	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
) t5drbeLf eLe	700	U	700	2p	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
Isozrozdrbe Lf eLe	700	U	700	73	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
g et5dnacetate	700	U	700	48	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
g et5dntert-b9tdnet5er	700	U	700	C8	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
g et5drcdcro5eBaLe	700	U	700	4H	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
g et5dreLe I 5rorihe	6HPH	J	700	20	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
MtdreLe	700	U	700	24	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
Tetrac5roroet5eLe	700	U	700	7C	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
Tor9eLe	700	U	700	2H	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
traLs-7.2-Dic5roroet5eLe	700	U	700	24	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
traLs-7.C-Dic5rorozrozeLe	700	U	700	4P3	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
Tric5roroet5eLe	700	U	700	28	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
Tric5rorok9oromet5aLe	700	U	700	4H	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
ViLdnc5rorihe	700	U	700	C4	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7
XdreLes. Totan	200	U	200	7H	91Su1		77S7HS72 77:42	77S7HS72 72:3H	7

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*3z - 146*	*11/1T/12 11:42*	*11/1T/12 12:3T*	*1*
8oluene-d9 (Surr)	*121*		*3p - 14b*	*11/1T/12 11:42*	*11/1T/12 12:3T*	*1*
4-7ro5 obBuoromenf ene (Surr)	*11b*		*4b - 149*	*11/1T/12 11:42*	*11/1T/12 12:3T*	*1*

Lab Sample ID: LCS 480-91605/1-F
MatriP: Solid
F nalNsis Batch: 91x78

Client Sample ID: Lab Control Sample
Trep yNpe: yotal/AF
Trep Batch: 91605

F nalNte	Spike F dded	LCS Result	LCS Quali%er	f nit	D	. Rec	. Rec3 Limits
7.7-Dic5roroet5aLe	2300	C060		91Su1		722	82 - 7C8
7.7-Dic5roroet5eLe	2300	2770		91Su1		84	34 - 744
7.2-Dic5rorobeLf eLe	2300	C040		91Su1		722	p2 - 7C3
7.2-Dic5roroet5aLe	2300	2p70		91Su1		776	8H - 7C7
(eLf eLe	2300	C720		91Su1		723	H3 - 7C7
I 5rorobeLf eLe	2300	C7p0	N	91Su1		728	80 - 72H
cis-7.2-Dic5roroet5eLe	2300	C0H0		91Su1		72C	8H - 7C6
) t5drbeLf eLe	2300	C2H0		91Su1		7C7	p3 - 7Cp
g et5dntert-b9tdnet5er	2300	2H00		91Su1		708	6H - 7CH
Tetrac5roroet5eLe	2300	C340		91Su1		742	p3 - 744
Tor9eLe	2300	C780		91Su1		72H	H6 - 7CC
traLs-7.2-Dic5roroet5eLe	2300	C260		91Su1		7C7	87 - 74H
Tric5roroet5eLe	2300	C220		91Su1		72p	HH - 7C0

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*113*		*3z - 146*

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

Lab Sample ID: LCS 480-91605/1-F
MatriP: Solid
FnalNsis Batch: 91x78

Client Sample ID: Lab Control Sample
Trep yNpe: yotal/AF
Trep Batch: 91605

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
8oluene-d9 (Surr)	*12z*		*3p - 14b*
4-7ro5 oBuoromenf ene (Surr)	*122*		*4b - 149*

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

Lab Sample ID: MB 480-91044/1-F
MatriP: Solid
FnalNsis Batch: 91840

Client Sample ID: Method Blank
Trep yNpe: yotal/AF
Trep Batch: 91044

FnalNte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	FnalNUed	Dil zac
(iz5eLdn	7H0	U	7H0	70	91Su1		77S3S2 08:0p	77S20S2 7H42	7
bis E2-c5roroisozrozdryet5er	7H0	U	7H0	7H	91Su1		77S3S2 08:0p	77S20S2 7H42	7
2.4.3-Tric5roroz5eLon	7H0	U	7H0	C6	91Su1		77S3S2 08:0p	77S20S2 7H42	7
2.4.6-Tric5roroz5eLon	7H0	U	7H0	77	91Su1		77S3S2 08:0p	77S20S2 7H42	7
2.4-Dic5roroz5eLon	7H0	U	7H0	8F3	91Su1		77S3S2 08:0p	77S20S2 7H42	7
2.4-Dimet5drz5eLon	7H0	U	7H0	43	91Su1		77S3S2 08:0p	77S20S2 7H42	7
2.4-DiLitroz5eLon	CC0	U	CC0	38	91Su1		77S3S2 08:0p	77S20S2 7H42	7
2.4-DiLitroton9eLe	7H0	U	7H0	26	91Su1		77S3S2 08:0p	77S20S2 7H42	7
2.6-DiLitroton9eLe	7H0	U	7H0	47	91Su1		77S3S2 08:0p	77S20S2 7H42	7
2-I 5roroLaz5t5ameLe	7H0	U	7H0	77	91Su1		77S3S2 08:0p	77S20S2 7H42	7
2-I 5roroz5eLon	7H0	U	7H0	8F3	91Su1		77S3S2 08:0p	77S20S2 7H42	7
2-g et5drLaz5t5ameLe	7H0	U	7H0	2F0	91Su1		77S3S2 08:0p	77S20S2 7H42	7
2-g et5drz5eLon	7H0	U	7H0	3F7	91Su1		77S3S2 08:0p	77S20S2 7H42	7
2-' itroaLiniLe	CC0	U	CC0	34	91Su1		77S3S2 08:0p	77S20S2 7H42	7
2-' itroz5eLon	7H0	U	7H0	HF6	91Su1		77S3S2 08:0p	77S20S2 7H42	7
C.CFDic5rorobeLf ihiLe	7H0	U	7H0	730	91Su1		77S3S2 08:0p	77S20S2 7H42	7
C-' itroaLiniLe	CC0	U	CC0	C8	91Su1		77S3S2 08:0p	77S20S2 7H42	7
4.6-DiLitro-2-met5drz5eLon	CC0	U	CC0	38	91Su1		77S3S2 08:0p	77S20S2 7H42	7
4-(romoz5eLdnz5eLdnet5er	7H0	U	7H0	3C	91Su1		77S3S2 08:0p	77S20S2 7H42	7
4-I 5roro-C-met5drz5eLon	7H0	U	7H0	6Fp	91Su1		77S3S2 08:0p	77S20S2 7H42	7
4-I 5roroaLiniLe	7H0	U	7H0	4p	91Su1		77S3S2 08:0p	77S20S2 7H42	7
4-I 5roroz5eLdnz5eLdnet5er	7H0	U	7H0	CF6	91Su1		77S3S2 08:0p	77S20S2 7H42	7
4-g et5drz5eLon	CC0	U	CC0	pFC	91Su1		77S3S2 08:0p	77S20S2 7H42	7
4-' itroaLiniLe	CC0	U	CC0	7p	91Su1		77S3S2 08:0p	77S20S2 7H42	7
4-' itroz5eLon	CC0	U	CC0	40	91Su1		77S3S2 08:0p	77S20S2 7H42	7
AceLaz5t5eLe	7H0	U	7H0	2F0	91Su1		77S3S2 08:0p	77S20S2 7H42	7
AceLaz5t5dreLe	7H0	U	7H0	7F4	91Su1		77S3S2 08:0p	77S20S2 7H42	7
Acetoz5eLoLe	7H0	U	7H0	8F6	91Su1		77S3S2 08:0p	77S20S2 7H42	7
ALt5raceLe	7H0	U	7H0	4FC	91Su1		77S3S2 08:0p	77S20S2 7H42	7
Atraf iLe	7H0	U	7H0	HF4	91Su1		77S3S2 08:0p	77S20S2 7H42	7
(eLf ame5dhe	7H0	U	7H0	78	91Su1		77S3S2 08:0p	77S20S2 7H42	7
(eLf oEayaLt5raceLe	7H0	U	7H0	2Fp	91Su1		77S3S2 08:0p	77S20S2 7H42	7
(eLf oEayzdreLe	7H0	U	7H0	4F0	91Su1		77S3S2 08:0p	77S20S2 7H42	7
(eLf oEbyk9oraLt5eLe	7H0	U	7H0	CF2	91Su1		77S3S2 08:0p	77S20S2 7H42	7
(eLf oE1.5.iyzerdreLe	7H0	U	7H0	2F0	91Su1		77S3S2 08:0p	77S20S2 7H42	7
(eLf oEvyk9oraLt5eLe	7H0	U	7H0	7F3	91Su1		77S3S2 08:0p	77S20S2 7H42	7
(isE2-c5roroet5oBdymet5aLe	7H0	U	7H0	pF7	91Su1		77S3S2 08:0p	77S20S2 7H42	7
(isE2-c5roroet5dryet5er	7H0	U	7H0	74	91Su1		77S3S2 08:0p	77S20S2 7H42	7

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

Lab Sample ID: MB 480-91044/1-F
MatriP: Solid
FnalNsis Batch: 91840

Client Sample ID: Method Blank
Trep yNpe: yotal/AF
Trep Batch: 91044

FnalNte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	FnalNUed	Dil zac
(isE2-et5dr5eBdnyz5t5amate	7640		7H0	34	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
(9tdnbeLf dnz5t5amate	7H0	U	7H0	43	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
I azronactam	7H0	U	7H0	H2	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
I arbaf ore	7H0	U	7H0	7Fp	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
I 5rdseLe	7H0	U	7H0	7FH	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
Di-L-b9tdnz5t5amate	7H0	U	7H0	38	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
Di-L-octdnz5t5amate	7H0	U	7H0	CFp	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
DibeLf Ea.5yaLt5raceLe	7H0	U	7H0	2F0	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
DibeLf ok9raL	7H0	U	7H0	7FH	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
Diet5dnz5t5amate	7H0	U	7H0	3F0	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
Dimet5dnz5t5amate	7H0	U	7H0	4F4	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
kn9oraLt5eLe	7H0	U	7H0	2F4	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
kn9oreLe	7H0	U	7H0	CF3	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
x eBac5rorobeLf eLe	7H0	U	7H0	8FC	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
x eBac5rorob9tahieLe	7H0	U	7H0	8F3	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
x eBac5rorocdcrozeLtahieLe	7H0	U	7H0	37	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
x eBac5roroet5aLe	7H0	U	7H0	7C	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
ILheLoE7.2.C-chyzdreLe	7H0	U	7H0	4F6	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
Isoz5oroLe	7H0	U	7H0	8FC	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
' -' itrosohi-L-zrozdramiLe	7H0	U	7H0	7C	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
' -' itrosohiz5eLdramiLe	7H0	U	7H0	pF7	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
' az5t5ameLe	7H0	U	7H0	2F8	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
' itrobeLf eLe	7H0	U	7H0	HF4	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
j eLtac5rroroz5eLon	CC0	U	CC0	3H	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
j 5eLaLt5reLe	7H0	U	7H0	CF3	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
j 5eLon	7H0	U	7H0	78	91Su1		77S3S72 08:0p	77S20S72 7H:42	7
j dreLe	7H0	U	7H0	7F7	91Su1		77S3S72 08:0p	77S20S72 7H:42	7

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-8rimro5 o0henol	*bT*		*zb - 146*	*11/13/12 p9:pb*	*11/2p/12 1T:42*	*1*
2-Fluoromi0henyl	*bp*		*zT - 12p*	*11/13/12 p9:pb*	*11/2p/12 1T:42*	*1*
2-Fluoro0henol	*Tb*		*19 - 12p*	*11/13/12 p9:pb*	*11/2p/12 1T:42*	*1*
Nitromenf ene-d3	*bp*		*z4 - 1z2*	*11/13/12 p9:pb*	*11/2p/12 1T:42*	*1*
0-8er0henyl-d14	*b6*		*63 - 13z*	*11/13/12 p9:pb*	*11/2p/12 1T:42*	*1*
Phenol-d3	*bp*		*11 - 12p*	*11/13/12 p9:pb*	*11/2p/12 1T:42*	*1*

Lab Sample ID: LCS 480-91044/2-F
MatriP: Solid
FnalNsis Batch: 91840

Client Sample ID: Lab Control Sample
Trep yNpe: yotal/AF
Trep Batch: 91044

FnalNte	Spike Fdded	LCS Result	LCS Quali%er	f nit	D	. Rec	. Rec3 Limits
2.4-DiLitroton9eLe	2640	2CH0		91Su1		p0	33 - 723
2-I 5rroroz5eLon	2640	2020		91Su1		HH	C8 - 720
4-I 5rroro-C-met5drz5eLon	2640	2CC0		91Su1		8H	4p - 723
4-' itroz5eLon	2640	2C80		91Su1		p0	4C - 7CH
AceLaz5t5eLe	2640	2240		91Su1		83	3C - 720
(isE2-et5dr5eBdnyz5t5amate	2640	2320		91Su1		p6	67 - 7CC
kn9oreLe	2640	2260		91Su1		86	6C - 726

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

Lab Sample ID: LCS 480-91044/2-F — **Client Sample ID: Lab Control Sample**
MatriP: Solid — **Trep yNpe: yotal/AF**
FnalNsis Batch: 91840 — **Trep Batch: 91044**

FnalNte	Spike Fdded	LCS Result	LCS Quali%er	f nit	D	. Rec	. Rec3 Limits
x eBac5roroet5aLe	2640	7880		91Su1		H7	47 - 720
' -' itrosohi-L-zrozdramiLe	2640	2070		91Su1		H6	46 - 720
j eLtac5roroz5eLon	2640	26C0		91Su1		700	CC - 7C6
j 5eLon	2640	2770		91Su1		80	C6 - 720
j dreLe	2640	2CC0		91Su1		88	37 - 7CC

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-8rimro5 o0henol	*b2*		*zb - 146*
2-Fluoromi0henyl	*9p*		*zT - 12p*
2-Fluoro0henol	*T1*		*19 - 12p*
Nitromenf ene-d3	*9p*		*z4 - 1z2*
0-8er0henyl-d14	*96*		*63 - 13z*
Phenol-d3	*Tb*		*11 - 12p*

Lab Sample ID: 480-28165-1 MS — **Client Sample ID: TH-28 2'**
MatriP: Solid — **Trep yNpe: yotal/AF**
FnalNsis Batch: 91840 — **Trep Batch: 91044**

FnalNte	Sample Result	Sample Quali%er	Spike Fdded	MS Result	MS Quali%er	f nit	D	. Rec	. Rec3 Limits
2.4-DiLitroton9eLe	7p0	U	2880	24p0		91Su1	☼	86	33 - 723
2-I 5roroz5eLon	7p0	U	2880	2730		91Su1	☼	H3	C8 - 720
4-I 5roro-C-met5drz5eLon	7p0	U	2880	2480		91Su1	☼	86	4p - 723
4-' itroz5eLon	C60	U	2880	2300		91Su1	☼	8H	4C - 7CH
AceLaz5t5eLe	7p0	U	2880	2C80		91Su1	☼	82	3C - 720
(isE2-et5dr5eBdryz5t5arate	7p0	U	2880	2670		91Su1	☼	p0	67 - 7CC
kr9oreLe	7p0	U	2880	2CH0		91Su1	☼	82	6C - 726
x eBac5roroet5aLe	7p0	U	2880	7880		91Su1	☼	63	47 - 720
' -' itrosohi-L-zrozdramiLe	7p0	U	2880	2730		91Su1	☼	H3	46 - 720
j eLtac5roroz5eLon	C60	U	2880	2pp0		91Su1	☼	704	CC - 7C6
j 5eLon	7p0	U	2880	2220		91Su1	☼	HH	C6 - 720
j dreLe	23	J	2880	2Cp0		91Su1	☼	82	37 - 7CC

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-8rimro5 o0henol	*b1*		*zb - 146*
2-Fluoromi0henyl	*TT*		*zT - 12p*
2-Fluoro0henol	*69*		*19 - 12p*
Nitromenf ene-d3	*T6*		*z4 - 1z2*
0-8er0henyl-d14	*9p*		*63 - 13z*
Phenol-d3	*T6*		*11 - 12p*

Lab Sample ID: 480-28165-1 MSD — **Client Sample ID: TH-28 2'**
MatriP: Solid — **Trep yNpe: yotal/AF**
FnalNsis Batch: 91840 — **Trep Batch: 91044**

FnalNte	Sample Result	Sample Quali%er	Spike Fdded	MSD Result	MSD Quali%er	f nit	D	. Rec	. Rec3 Limits	RTD	RTD Limit
2.4-DiLitroton9eLe	7p0	U	2pC0	26p0		91Su1	☼	p2	33 - 723	8	20
2-I 5roroz5eLon	7p0	U	2pC0	22p0		91Su1	☼	H8	C8 - 720	6	23
4-I 5roro-C-met5drz5eLon	7p0	U	2pC0	2640		91Su1	☼	p0	4p - 723	6	2H

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

Lab Sample ID: 480-28165-1 MSD — **Client Sample ID: TH-28 2'**
MatriP: Solid — **Trep yNpe: yotal/AF**
FnalNsis Batch: 91840 — **Trep Batch: 91044**

FnalNte	Sample Result	Sample Quali%er	Spike Fdded	MSD Result	MSD Quali%er	f nit	D	. Rec	. Rec3 Limits	RTD	RTD Limit
4-' itroz5eLon	C60	U	2pC0	26p0		91Su1	☼	p2	4C - 7CH	H	23
AceLaz5t5eLe	7p0	U	2pC0	2360		91Su1	☼	8H	3C - 720	H	C3
(isE2-et5dr5eBdnyz5t5amate	7p0	U	2pC0	2H30		91Su1	☼	p4	67 - 7CC	3	73
kn9oreLe	7p0	U	2pC0	23C0		91Su1	☼	8H	6C - 726	H	73
x eBac5nroet5aLe	7p0	U	2pC0	20p0		91Su1	☼	H7	47 - 720	70	46
' -' itrosohi-L-zrozdramiLe	7p0	U	2pC0	2280		91Su1	☼	H8	46 - 720	6	C7
j eLtac5nroz5eLon	C60	U	2pC0	C2H0		91Su1	☼	772	CC - 7C6	p	C3
j 5eLon	7p0	U	2pC0	2C80		91Su1	☼	87	C6 - 720	H	C3
j dreLe	23	J	2pC0	2330		91Su1	☼	86	37 - 7CC	H	C3

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-8rimro5 o0henol	*bz*		*zb - 146*
2-Fluoromi0henyl	*92*		*zT - 12p*
2-Fluoro0henol	*Tz*		*19 - 12p*
Nitromenf ene-d3	*9z*		*z4 - 1z2*
0-8er0henyl-d14	*94*		*63 - 13z*
Phenol-d3	*9z*		*11 - 12p*

Method: 6010B - Metals (ICT)

Lab Sample ID: MB 480-90849/1-F — **Client Sample ID: Method Blank**
MatriP: Solid — **Trep yNpe: yotal/AF**
FnalNsis Batch: 91528 — **Trep Batch: 90849**

FnalNte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	FnalNUed	Dil zac
ArseLic	7Fp	U	7Fp	0FCH	m1Su1		77S/4S/2 72:20	77S/3S/2 27:2C	7
(ari9m	0F4H	U	0F4H	0F70	m1Su1		77S/4S/2 72:20	77S/3S/2 27:2C	7
I ahmi9m	0F7p	U	0F7p	0F028	m1Su1		77S/4S/2 72:20	77S/3S/2 27:2C	7
I 5romi9m	0F4H	U	0F4H	0F7p	m1Su1		77S/4S/2 72:20	77S/3S/2 27:2C	7
, eah	0Fp4	U	0Fp4	0F22	m1Su1		77S/4S/2 72:20	77S/3S/2 27:2C	7
MereLi9m	CFH	U	CFH	0FCH	m1Su1		77S/4S/2 72:20	77S/3S/2 27:2C	7
Mnf'er	0F4H	U	0F4H	0F7p	m1Su1		77S/4S/2 72:20	77S/3S/2 27:2C	7

Lab Sample ID: LCSSRM 480-90849/2-F — **Client Sample ID: Lab Control Sample**
MatriP: Solid — **Trep yNpe: yotal/AF**
FnalNsis Batch: 91528 — **Trep Batch: 90849**

FnalNte	Spike Fdded	LCSSRM Result	LCSSRM Quali%er	f nit	D	. Rec	. Rec3 Limits
ArseLic	783	736F2		m1Su1		84F6	64FC - 77HP 8
(ari9m	62H	78pF6		m1Su1		C0F2	24F8 - 4CF0
I ahmi9m	772	p3F6H		m1Su1		83F6	H6Fp - 706P C
I 5romi9m	C30	70CF0		m1Su1		2pF4	2CF6 - 4CFp
, eah	H3F6	H2Fpp		m1Su1		p6F6	6pFH - 7CCP 4
MereLi9m	740	77pF2		m1Su1		83FC	60F7 - 720P H

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

Lab Sample ID: LCSSRM 480-90849/2-F — **Client Sample ID: Lab Control Sample**
MatriP: Solid — **Trep yNpe: yotal/AF**
FnalNsis Batch: 91528 — **Trep Batch: 90849**

FnalNte			Spike Fdded	LCSSRM Result	LCSSRM Quali%er	f nit	D	. Rec	. Rec3 Limits		
Mr1er			43P0	C8P40		m1Su1		83PC	62P7 - 723P H		

Method: 7471F - MercurN(CVFF)

Lab Sample ID: MB 480-9028x/1-F — **Client Sample ID: Method Blank**
MatriP: Solid — **Trep yNpe: yotal/AF**
FnalNsis Batch: 9040x — **Trep Batch: 9028x**

FnalNte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	FnalNUed	Dil zac
g erc9rd	0P020	U	0P020	0P0082	m1Su1		77S72S72 0p:00	77S72S72 74:02	7

Lab Sample ID: LCSSRM 480-9028x/2-F — **Client Sample ID: Lab Control Sample**
MatriP: Solid — **Trep yNpe: yotal/AF**
FnalNsis Batch: 9040x — **Trep Batch: 9028x**

FnalNte			Spike Fdded	LCSSRM Result	LCSSRM Quali%er	f nit	D	. Rec	. Rec3 Limits		
g erc9rd			CPHH	4P43		m1Su1		778P2	H7P6 - 728P 4		

GC/MS VOA

Analysis Batch: 90772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-2876C-7	j H-28 21	TotanS A	MoriB	82609	30827
, I M480-30NN2S4	, ab I oLtronMam5re	TotanS A	MoriB	82609	
g 9 480-30NN2Sp	g ethoB 9 raLk	TotanS A	MoriB	82609	

Prep Batch: 90821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-2876C-7	j H-28 21	TotanS A	MoriB	p0Cp	
480-2876C-2	j H-23 701	TotanS A	MoriB	p0Cp	
480-2876C-C	j H-C0 61	TotanS A	MoriB	p0Cp	
480-2876C-4	j H-C7 721	TotanS A	MoriB	p0Cp	
480-2876C-p	j H-CC 71	TotanS A	MoriB	p0Cp	

Analysis Batch: 90981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-2876C-2	j H-23 701	TotanS A	MoriB	82609	30827
480-2876C-C	j H-C0 61	TotanS A	MoriB	82609	30827
480-2876C-4	j H-C7 721	TotanS A	MoriB	82609	30827
480-2876C-p	j H-CC 71	TotanS A	MoriB	82609	30827
, I M480-30387S4	, ab I oLtronMam5re	TotanS A	MoriB	82609	
g 9 480-30387Sp	g ethoB 9 raLk	TotanS A	MoriB	82609	

Analysis Batch: 91578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-2876C-7 - D,	j H-28 21	TotanS A	MoriB	82609	3760C
, I M480-3760CS7-A	, ab I oLtronMam5re	TotanS A	MoriB	82609	3760C
g 9 480-3760CS2-A	g ethoB 9 raLk	TotanS A	MoriB	82609	3760C

Prep Batch: 91603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-2876C-7 - D,	j H-28 21	TotanS A	MoriB	p0Cp	
, I M480-3760CS7-A	, ab I oLtronMam5re	TotanS A	MoriB	p0Cp	
g 9 480-3760CS2-A	g ethoB 9 raLk	TotanS A	MoriB	p0Cp	

GC/MS Semi VOA

Prep Batch: 90503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-2876C-p	j H-CC 71	TotanS A	MoriB	Cpp09	

Prep Batch: 91044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-2876C-7	j H-28 21	TotanS A	MoriB	Cpp09	
480-2876C-7 g M	j H-28 21	TotanS A	MoriB	Cpp09	
480-2876C-7 g MD	j H-28 21	TotanS A	MoriB	Cpp09	
480-2876C-2	j H-23 701	TotanS A	MoriB	Cpp09	
480-2876C-C	j H-C0 61	TotanS A	MoriB	Cpp09	
480-2876C-4	j H-C7 721	TotanS A	MoriB	Cpp09	
, I M480-37044S2-A	, ab I oLtronMam5re	TotanS A	MoriB	Cpp09	
g 9 480-37044S7-A	g ethoB 9 raLk	TotanS A	MoriB	Cpp09	

GC/MS Semi VOA (Continued)

Analysis Batch: 91124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-2876C-p	j H-CC 71	TotarS A	MoriB	82N0I	30p0C

Analysis Batch: 91840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-2876C-7	j H-28 21	TotarS A	MoriB	82N0I	37044
480-2876C-7 g M	j H-28 21	TotarS A	MoriB	82N0I	37044
480-2876C-7 g MD	j H-28 21	TotarS A	MoriB	82N0I	37044
480-2876C-2	j H-23 701	TotarS A	MoriB	82N0I	37044
480-2876C-C	j H-C0 61	TotarS A	MoriB	82N0I	37044
480-2876C-4	j H-C7 721	TotarS A	MoriB	82N0I	37044
, I M480-37044S2-A	, ab I oLtronMam5re	TotarS A	MoriB	82N0I	37044
g 9 480-37044S7-A	g ethoB 9 raLk	TotarS A	MoriB	82N0I	37044

Metals

Prep Batch: 90285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-2876C-7	j H-28 21	TotarS A	MoriB	N4N7A	
480-2876C-2	j H-23 701	TotarS A	MoriB	N4N7A	
480-2876C-C	j H-C0 61	TotarS A	MoriB	N4N7A	
480-2876C-4	j H-C7 721	TotarS A	MoriB	N4N7A	
480-2876C-p	j H-CC 71	TotarS A	MoriB	N4N7A	
, I MMRg 480-3028pS2-A	, ab I oLtronMam5re	TotarS A	MoriB	N4N7A	
g 9 480-3028pS7-A	g ethoB 9 raLk	TotarS A	MoriB	N4N7A	

Analysis Batch: 90405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-2876C-7	j H-28 21	TotarS A	MoriB	N4N7A	3028p
480-2876C-2	j H-23 701	TotarS A	MoriB	N4N7A	3028p
480-2876C-C	j H-C0 61	TotarS A	MoriB	N4N7A	3028p
480-2876C-4	j H-C7 721	TotarS A	MoriB	N4N7A	3028p
480-2876C-p	j H-CC 71	TotarS A	MoriB	N4N7A	3028p
, I MMRg 480-3028pS2-A	, ab I oLtronMam5re	TotarS A	MoriB	N4N7A	3028p
g 9 480-3028pS7-A	g ethoB 9 raLk	TotarS A	MoriB	N4N7A	3028p

Prep Batch: 90849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-2876C-7	j H-28 21	TotarS A	MoriB	C0p09	
480-2876C-2	j H-23 701	TotarS A	MoriB	C0p09	
480-2876C-C	j H-C0 61	TotarS A	MoriB	C0p09	
480-2876C-4	j H-C7 721	TotarS A	MoriB	C0p09	
480-2876C-p	j H-CC 71	TotarS A	MoriB	C0p09	
, I MMRg 480-30843S2-A	, ab I oLtronMam5re	TotarS A	MoriB	C0p09	
g 9 480-30843S7-A	g ethoB 9 raLk	TotarS A	MoriB	C0p09	

Analysis Batch: 91328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-2876C-7	j H-28 21	TotarS A	MoriB	60709	30843
480-2876C-2	j H-23 701	TotarS A	MoriB	60709	30843
480-2876C-C	j H-C0 61	TotarS A	MoriB	60709	30843

Metals (Continued)

Analysis Batch: 91328 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-2876C-4	j H-C7 721	TotanS A	MoriB	60709	30843
480-2876C-p	j H-CC 71	TotanS A	MoriB	60709	30843
, I MMRg 480-30843S2-A	, ab I oLtronMam5re	TotanS A	MoriB	60709	30843
g 9 480-30843S7-A	g ethoB 9 raLk	TotanS A	MoriB	60709	30843

Analysis Batch: 91939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-2876C-2	j H-23 701	TotanS A	MoriB	60709	30843
480-2876C-4	j H-C7 721	TotanS A	MoriB	60709	30843

General Chemistry

Analysis Batch: 90058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-2876C-7	j H-28 21	TotanS A	MoriB	g oisture	
480-2876C-2	j H-23 701	TotanS A	MoriB	g oisture	
480-2876C-C	j H-C0 61	TotanS A	MoriB	g oisture	
480-2876C-4	j H-C7 721	TotanS A	MoriB	g oisture	
480-2876C-p	j H-CC 71	TotanS A	MoriB	g oisture	

Lab Chronicle

Client: TTL, Inc.
j ro/ectSMite: g apna Mite - Moli5s

TestAmerica Job ID: 480-2876P-7

Client Sample ID: PH-1' 14

Date Collected: 22/0' /21 0' :55
Date v eceiTed: 22/0s/21 0' :00

Lab Sample ID: 8' 0-1' 276-2

Matrix: Solid
Percent Solid3: s0.R

Prep yBpe	Aatch yBpe	Aatch Method	vzn	Dilztion 9actor	Aatch Fzmber	Prepared or unalBNed	unalB3t	Lab
Total9NA	j re3	10P1			90827	77S/4S/2 70:4P	Jg B	TAL BUF
Total9NA	Analysis	8260B		7	90RR2	77S/4S/2 79:P7	CDC	TAL BUF
Total9NA	j re3	10P1	DL		9760P	77S/RS/2 77:42	THF	TAL BUF
Total9NA	Analysis	8260B	DL	7	971R8	77S/RS/2 7P:19	THF	TAL BUF
Total9NA	j re3	P110B			97044	77S/1S/2 08:09	ND	TAL BUF
Total9NA	Analysis	82R0C		7	97840	77S/20S/2 20:2R	Ag	TAL BUF
Total9NA	j re3	R4R7A			90281	77S/2S/2 09:00	JHK	TAL BUF
Total9NA	Analysis	R4R7A		7	90401	77S/2S/2 74:24	JHK	TAL BUF
Total9NA	j re3	P010B			90849	77S/4S/2 72:20	MM	TAL BUF
Total9NA	Analysis	6070B		7	97P28	77S/1S/2 27:28	Lu	TAL BUF
Total9NA	Analysis	g oistf re		7	90018	77S/09S/2 78:P6	g D	TAL BUF

Client Sample ID: PH-1s 204

Date Collected: 22/0' /21 0s:65
Date v eceiTed: 22/0s/21 0' :00

Lab Sample ID: 8' 0-1' 276-1

Matrix: Solid
Percent Solid3: s0.6

Prep yBpe	Aatch yBpe	Aatch Method	vzn	Dilztion 9actor	Aatch Fzmber	Prepared or unalBNed	unalB3t	Lab
Total9NA	j re3	10P1			90827	77S/4S/2 71:11	Jg B	TAL BUF
Total9NA	Analysis	8260B		7	90987	77S/1S/2 07:20	Jg B	TAL BUF
Total9NA	j re3	P110B			97044	77S/1S/2 08:09	ND	TAL BUF
Total9NA	Analysis	82R0C		7	97840	77S/20S/2 20:17	Ag	TAL BUF
Total9NA	j re3	R4R7A			90281	77S/2S/2 09:00	JHK	TAL BUF
Total9NA	Analysis	R4R7A		7	90401	77S/2S/2 74:26	JHK	TAL BUF
Total9NA	j re3	P010B			90849	77S/4S/2 72:20	MM	TAL BUF
Total9NA	Analysis	6070B		7	97P28	77S/1S/2 27:P0	Lu	TAL BUF
Total9NA	Analysis	6070B		7	979P9	77S/9S/2 20:4P	Lu	TAL BUF
Total9NA	Analysis	g oistf re		7	90018	77S/09S/2 78:P6	g D	TAL BUF

Client Sample ID: PH-60 74

Date Collected: 22/0' /21 20:60
Date v eceiTed: 22/0s/21 0' :00

Lab Sample ID: 8' 0-1' 276-6

Matrix: Solid
Percent Solid3: s0.2

Prep yBpe	Aatch yBpe	Aatch Method	vzn	Dilztion 9actor	Aatch Fzmber	Prepared or unalBNed	unalB3t	Lab
Total9NA	j re3	10P1			90827	77S/4S/2 70:4P	Jg B	TAL BUF
Total9NA	Analysis	8260B		7	90987	77S/1S/2 07:41	Jg B	TAL BUF
Total9NA	j re3	P110B			97044	77S/1S/2 08:09	ND	TAL BUF
Total9NA	Analysis	82R0C		7	97840	77S/20S/2 27:71	Ag	TAL BUF
Total9NA	j re3	R4R7A			90281	77S/2S/2 09:00	JHK	TAL BUF
Total9NA	Analysis	R4R7A		7	90401	77S/2S/2 74:2R	JHK	TAL BUF
Total9NA	j re3	P010B			90849	77S/4S/2 72:20	MM	TAL BUF
Total9NA	Analysis	6070B		7	97P28	77S/1S/2 27:P2	Lu	TAL BUF
Total9NA	Analysis	g oistf re		7	90018	77S/09S/2 78:P6	g D	TAL BUF

Lab Chronicle

Client: TTL, Inc.
j ro/ectSMte: g apna Mte - Moli5s

TestAmerica Job ID: 480-2876P-7

Client Sample ID: PH-62 214

Date Collected: 22/0' /21 21:15
Date v eceiTed: 22/0s/21 0' :00

Lab Sample ID: 8' 0-1' 276-8

Matrix: Solid
Percent Solid3: s8.6

Prep yBpe	Aatch yBpe	Aatch Method	vzn	Dilztion 9actor	Aatch Fzmber	Prepared or unalBNed	unalB3t	Lab
Total9NA	j re3	10P1			90827	77S74S72 70:4P	Jg B	TAL BUF
Total9NA	Analysis	8260B		7	90987	77S71S72 02:77	Jg B	TAL BUF
Total9NA	j re3	P110B			97044	77S71S72 08:09	ND	TAL BUF
Total9NA	Analysis	82R0C		70	97840	77S20S72 27:P8	Ag	TAL BUF
Total9NA	j re3	R4R7A			90281	77S72S72 09:00	JHK	TAL BUF
Total9NA	Analysis	R4R7A		7	90401	77S72S72 74:29	JHK	TAL BUF
Total9NA	j re3	P010B			90849	77S74S72 72:20	MM	TAL BUF
Total9NA	Analysis	6070B		7	97P28	77S71S72 27:P4	Lu	TAL BUF
Total9NA	Analysis	6070B		7	979P9	77S79S72 20:41	Lu	TAL BUF
Total9NA	Analysis	g oistf re		7	90018	77S09S72 78:P6	g D	TAL BUF

Client Sample ID: PH-66 24

Date Collected: 22/0' /21 27:15
Date v eceiTed: 22/0s/21 0' :00

Lab Sample ID: 8' 0-1' 276-5

Matrix: Solid
Percent Solid3: s7.6

Prep yBpe	Aatch yBpe	Aatch Method	vzn	Dilztion 9actor	Aatch Fzmber	Prepared or unalBNed	unalB3t	Lab
Total9NA	j re3	10P1			90827	77S74S72 70:4P	Jg B	TAL BUF
Total9NA	Analysis	8260B		7	90987	77S71S72 02:P6	Jg B	TAL BUF
Total9NA	j re3	P110B			9010P	77SPS72 08:78	Cg	TAL BUF
Total9NA	Analysis	82R0C		70	97724	77S71S72 74:40	Ag	TAL BUF
Total9NA	j re3	R4R7A			90281	77S72S72 09:00	JHK	TAL BUF
Total9NA	Analysis	R4R7A		7	90401	77S72S72 74:P4	JHK	TAL BUF
Total9NA	j re3	P010B			90849	77S74S72 72:20	MM	TAL BUF
Total9NA	Analysis	6070B		7	97P28	77S71S72 27:47	Lu	TAL BUF
Total9NA	Analysis	g oistf re		7	90018	77S09S72 78:P6	g D	TAL BUF

LaboratorB v eference3:

TAL BUF z TestAmerica Bf =alo, 70 u aweld oo5 Drive, Amherst, NY 74228-2298, TEL (R76)697-2600

Certification Summary

Client: TTL, Inc.
j ro/ectSMte: g af na Mte - Molihs

TestAmerica Job ID: 480-2876P-7

Laboratory: TestAmerica Buffalo

All certidcations yelh bNtyis laboratorNare listeh. p ot all certidcations are akklicable to tyis rekort.

Authority	Program	EPA Region	Certification ID	Expiration Date
ArEansas DQ1	Mtate j rof ram	6	88-0686	03-06-7P
Caliobrnia	p QLAC	9	7769CA	09-P0-7P
Connecticut	Mtate j rof ram	7	j H-0568	09-P0-74
Floriha	p QLAC	4	Q83632	06-P0-7P
Georf ia	Mtate j rof ram	4	p SA	0P-P7-7P
Georf ia	Mtate j rof ram	4	956	06-P0-7P
Georf ia	Mtate j rof ram	4	956	06-P0-7P
Illinois	p QLAC	5	20000P	09-P0-7P
Iowa	Mtate j rof ram	3	P34	0P-07-7P
Kansas	p QLAC	3	Q-70783	07-P7-7P
KentucEN	Mtate j rof ram	4	90029	72-P7-72
KentucEN (UMT)	Mtate j rof ram	4	P0	04-07-7P
Louisiana	p QLAC	6	020P7	06-P0-7P
g aine	Mtate j rof ram	7	p Y00044	72-04-72
g arNanh	Mtate j rof ram	P	294	0P-P7-7P
g assacyusetts	Mtate j rof ram	7	g -p Y044	06-P0-7P
g icyif an	Mtate j rof ram	5	99P3	04-07-7P
g innesota	p QLAC	5	0P6-999-PP3	72-P7-72
p ew Hamksyire	p QLAC	7	293P	09-77-7P
p ew Hamksyire	p QLAC	7	2PP3	77-73-7P
p ew JerseN	p QLAC	2	p Y455	06-P0-7P
p ew YorE	p QLAC	2	70026	0P-P7-7P
p orty DaEota	Mtate j rof ram	8	R-736	0P-P7-7P
OElayoma	Mtate j rof ram	6	9427	08-P7-7P
Oref on	p QLAC	70	p Y20000P	06-09-7P
j ennsNvania	p QLAC	P	68-00287	03-P7-7P
Ryohe Islanh	Mtate j rof ram	7	LAO00P28	72-P7-7P
Tennessee	Mtate j rof ram	4	Tp 02930	04-07-7P
Texas	p QLAC	6	T704304472-77-2	03-P7-7P
UMDA	Feheral		j PP0-77-00P86	77-22-74
Virf inia	p QLAC	P	460785	09-74-7P
Wasyinf ton	Mtate j rof ram	70	C384	02-70-7P
West Virf inia DQj	Mtate j rof ram	P	252	09-P0-7P
Wisconsin	Mtate j rof ram	5	998P70P90	08-P7-7P

Method Summary

Client: TTL, Inc.
Project/Site: Magna Site - Solids

TestAmerica Job ID: 480-28163-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
8270C	Semivolatile 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: TTL, Inc.
Project/Site: Magna Site - Solids

TestAmerica Job ID: 480-28163-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-28163-1	PH-28 2'	Solid	11/08/12 08:55	11/09/12 08:00
480-28163-2	PH-29 10'	Solid	11/08/12 09:35	11/09/12 08:00
480-28163-3	PH-30 6'	Solid	11/08/12 10:30	11/09/12 08:00
480-28163-4	PH-31 12'	Solid	11/08/12 12:25	11/09/12 08:00
480-28163-5	PH-33 1'	Solid	11/08/12 16:25	11/09/12 08:00

Login Sample Receipt Checklist

Client: TTL, Inc.

Job Number: 480-28163-1

Login Number: 28163
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.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ttl
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	

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: STM	Lab PM: Schove, John	Carrier Tracking No(s):	COC No: 480-28825-7536.6
Client Contact: Ms. Shannon McDonald	Phone: 334-850-1487	E-Mail: john.schove@testamericainc.com		Page: Page 6 of 12
Company: TTL, Inc.				Job #: 0002121-024
Address: 4154 Lomac Street	Due Date Requested:			
City: Montgomery	TAT Requested (days):			
State, Zip: AL, 36106				
Phone: 334-244-0766(Tel)	PO #: Purchase Order Requested			
Email: smcdonald@ttlusa.com	WO #			
Project Name: TTL, Inc. - Syracuse, NY Sites	Project #: 48006637			
Site: Magna	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	6010B, 7471A	8260B - TCL list OLM04.2	6010B, 7470A	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	A	D		
PH-28 2'	11/8/12	8:55a	G	Solid			✓	✓	✓			1	
PH-29 10'	11/8/12	9:35a	G	Solid			✓	✓	✓			1	
PH-30 6'	11/8/12	10:30	G	Solid			✓	✓	✓			1	
PH-31 12'	11/8/12	12:25	G	Solid			✓	✓	✓			1	
~~PH-32~~ STM				Solid									
PH-33 1'	11/8/12	4:25	G	Solid			✓	✓	✓				
				Solid									
				Solid									
				Solid									
				Solid									
				Solid									

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Shannon McDonald	11-8-12, 18:25		REINHIK	11-8-12, 18:25	SYR
REINHIK	11-8-12, 19:00	SYR	[illegible]	11/9/12 0800	TOBUFFO
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.1, 3.1, 3.9 °C #2

Chain of Custody Record

TestAmerica
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Client Information	Sampler: SHM	Lab PM: Schove, John	Carrier Tracking No(s):	COC No: 480-28825-7536 5
Client Contact: Ms. Shannon McDonald	Phone: 334-850-1487	E-Mail: john.schove@testamericainc.com		Page: Page 5 of 12
Company: TTL, Inc.				Job #: 6000312-024
Address: 4154 Lomac Street	Due Date Requested:			
City: Montgomery	TAT Requested (days):			
State, Zip: AL, 36106				
Phone: 334-244-0766(Tel)	PO #: Purchase Order Requested			
Email: smcdonald@ttlusa.com	WO #:			
Project Name: TTL, Inc. - Syracuse, NY Sites	Project #: 48006637			
Site: Magna	SSOW#:			

Analysis Requested

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
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	6010B, 7471A	8260B - TCL list OLM04.2	6010B, 7470A							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	A	D								
PH-28 0-6"	11/8/12	8:45a	G	Solid			✓	✓	✓										
PH-29 0-6"	11/8/12	9:15a	G	Solid			✓	✓	✓										
PH-30 0-6"	11/8/12	10:05a	G	Solid			✓	✓	✓										
PH-31 0-6"	11/8/12	11:15a	G	Solid			✓	✓	✓										
PH-32 0-6"	11/8/12	2:00	G	Solid			✓	✓	✓										
PH-33 0-6"	11/8/12	3:55	G	Solid			✓	✓	✓										
				Solid															
				Solid															
				Solid															
				Solid															
				Solid															

~~Possible Hazard Identification~~
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Shannon McDonald	11-8-12, 18:25		REng/ttl	11-8-12, 18:25	Syr
REng/ttl	11-8-12, 19:00	Syr	[illegible]	11/9/12 0800	TOBUCKO
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.1, 3.1, 3.9°c #3

Chain of Custody Record

TestAmerica

Client Information	Sampler: SMM	Lab PM: Schove, John	Carrier Tracking No(s):	COC No: 480-28825-7536 10
Client Contact: Ms Shannon McDonald	Phone: 334-850-1487	E-Mail: john.schove@testamericainc.com		Page: Page 10 of 12
Company: TTL, Inc				Job #: 000212.024
Address: 4154 Lomac Street	Due Date Requested:			
City: Montgomery	TAT Requested (days):			
State, Zip: AL, 36106				
Phone: 334-244-0766(Tel)	PO #: Purchase Order Requested			
Email: smcdonald@ttlusa.com	WO #:			
Project Name: TTL, Inc. - Syracuse, NY Sites	Project #: 48006637			
Site: Magna	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8260B - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	6010B, 7471A	8260B - TCL list OLM04.2	6010B, 7470A	Total Number of containers	Special Instructions/Note:
				Preservation Code:		N	N	N	A	D		
PH-17	11/8/12	7:30a	G	Water			✓	✓	✓	✓	1	
PH-31	11/8/12	5:15	G	Water		SMM	✓	✓	✓		3	
PH-33	11/8/12	4:45p	G	Water			✓	✓	✓	✓	1	
				Water								
				Water								
				Water								
				Water								
				Water								
				Water								
				Water								
				Water								

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

~~Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)~~

☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Shannon McDonald	11-8-12, 18:25		R. Eng 11/8	11-8-12, 18:25	S&R
R. Eng 11/8	11-8-12 19:00	S&R	[illegible]	11/9/12 0800	TABUFFALO

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.1, 3.1, 3.9°C #3

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: 480-27826-1
Client Project/Site: Magna Site

For:
TTL, Inc.
4154 Lomac Street
Montgomery, Alabama 36106

Attn: Ms. Shannon McDonald

Authorized for release by:
11/21/2012 5:38:25 PM
Robert Wienke
Project Administrator
robert.wienke@testamericainc.com

Designee for

John Schove
Project Manager I
john.schove@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

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: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-27826-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B7	Target analyte detected in method blank at or above method reporting limit . Concentration found in the sample was 10 times above the concentration found in the blank.

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)

Job ID: 480-27826-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-27826-1

Receipt
The samples were received on 11/6/2012 8:15 AM and 11/7/2012 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 2.5º C, 2.7º C, 3.0º C and 5.2º C.

GC/MS VOA
Method(s) 8260B: The following sample(s) submitted for volatiles analysis was received with insufficient preservation (pH >2): PH-6 (480-27826-5).

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: The following samples contained one acid and/or one base surrogate outside acceptance limits: PH-4 (480-27826-4). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270C: The following samples contained one acid and/or one base surrogate outside acceptance limits: PH-2 (480-27826-2). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270C: Surrogate recovery for the following samples were outside control limits: PH-1 (480-27826-1), PH-3 (480-27826-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8270C: The following sample was diluted due to the nature of the sample matrix: PH-3 (480-27826-3). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: The following sample contained one base surrogate outside acceptance limits: PH-6 (480-27826-5). The laboratory's SOP allows one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. This result has been reported and qualified.

Method(s) 8270C: The following samples contained one acid and/or one base surrogate outside acceptance limits: PH-5 (480-27956-10), PH-7 (480-27956-11). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

No other analytical or quality issues were noted.

Metals
Method(s) 3005A: Due to the matrix, the initial volume(s) used for the following sample(s) deviated from the standard procedure: PH-3 (480-27826-3). The reporting limits (RLs) have been adjusted proportionately.

Method(s) 6010B: The following sample was diluted to bring the concentration of target analytej total barium within the linear range: PH-5 (480-27956-10). Elevated reporting limits (RLs) are provided.

Method(s) 6010B: The Method Blank for preparation batch 480-89504 contained dissolved barium above the reporting limit (RL). Sample PH-2 (480-27826-2) associated with this Method Blank did not contain the target analyte; therefore, re-extraction and/or re-analysis of the sample was not performed.

No other analytical or quality issues were noted.

Organic Prep
Method(s) 3510C: During pH adjustment, the following samples required 15 mL of base to reach the desired pH: PH-1 (480-27826-1), PH-2 (480-27826-2), PH-3 (480-27826-3).

Job ID: 480-27826-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

No other analytical or quality issues were noted.

Detection Summary

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-27826-1

Client Sample ID: PH-1 — Lab Sample ID: 480-27826-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.0	J	10	3.0	ug/L	1		8260B	Total/NA
Carbon disulfide	0.21	J	1.0	0.19	ug/L	1		8260B	Total/NA
Toluene	0.80	J	1.0	0.51	ug/L	1		8260B	Total/NA
Acenaphthylene	0.42	J	4.8	0.36	ug/L	1		8270C	Total/NA
Anthracene	0.55	J	4.8	0.27	ug/L	1		8270C	Total/NA
Benzo(a)anthracene	4.3	J	4.8	0.34	ug/L	1		8270C	Total/NA
Benzo(a)pyrene	5.3		4.8	0.45	ug/L	1		8270C	Total/NA
Benzo(b)fluoranthene	7.3		4.8	0.32	ug/L	1		8270C	Total/NA
Benzo(g,h,i)perylene	1.7	J	4.8	0.33	ug/L	1		8270C	Total/NA
Bis(2-ethylhexyl) phthalate	11		4.8	1.7	ug/L	1		8270C	Total/NA
Carbazole	0.56	J	4.8	0.29	ug/L	1		8270C	Total/NA
Chrysene	5.0		4.8	0.31	ug/L	1		8270C	Total/NA
Di-n-octyl phthalate	2.7	J	4.8	0.45	ug/L	1		8270C	Total/NA
Fluoranthene	7.8		4.8	0.38	ug/L	1		8270C	Total/NA
Indeno(1,2,3-cd)pyrene	2.0	J	4.8	0.45	ug/L	1		8270C	Total/NA
Phenanthrene	3.6	J	4.8	0.42	ug/L	1		8270C	Total/NA
Pyrene	8.0		4.8	0.32	ug/L	1		8270C	Total/NA
Arsenic	0.20		0.010	0.0056	mg/L	1		6010B	Total/NA
Barium	2.5		0.0020	0.00070	mg/L	1		6010B	Total/NA
Chromium	0.78		0.0040	0.0010	mg/L	1		6010B	Total/NA
Lead	0.75		0.0050	0.0030	mg/L	1		6010B	Total/NA
Selenium	0.017		0.015	0.0087	mg/L	1		6010B	Total/NA
Barium	0.083		0.0020	0.00070	mg/L	1		6010B	Dissolved

Client Sample ID: PH-2 — Lab Sample ID: 480-27826-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.6	J	10	3.0	ug/L	1		8260B	Total/NA
Benzo(a)anthracene	1.1	J	4.7	0.34	ug/L	1		8270C	Total/NA
Benzo(a)pyrene	1.4	J	4.7	0.44	ug/L	1		8270C	Total/NA
Benzo(b)fluoranthene	1.8	J	4.7	0.32	ug/L	1		8270C	Total/NA
Benzo(g,h,i)perylene	0.56	J	4.7	0.33	ug/L	1		8270C	Total/NA
Bis(2-ethylhexyl) phthalate	8.5		4.7	1.7	ug/L	1		8270C	Total/NA
Chrysene	1.2	J	4.7	0.31	ug/L	1		8270C	Total/NA
Di-n-octyl phthalate	2.5	J	4.7	0.44	ug/L	1		8270C	Total/NA
Fluoranthene	1.4	J	4.7	0.38	ug/L	1		8270C	Total/NA
Indeno(1,2,3-cd)pyrene	0.56	J	4.7	0.44	ug/L	1		8270C	Total/NA
Pyrene	1.9	J	4.7	0.32	ug/L	1		8270C	Total/NA
Arsenic	0.13		0.010	0.0056	mg/L	1		6010B	Total/NA
Barium	1.9		0.0020	0.00070	mg/L	1		6010B	Total/NA
Cadmium	0.0067		0.0010	0.00050	mg/L	1		6010B	Total/NA
Chromium	0.68		0.0040	0.0010	mg/L	1		6010B	Total/NA
Lead	0.46		0.0050	0.0030	mg/L	1		6010B	Total/NA

Client Sample ID: PH-3 — Lab Sample ID: 480-27826-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	3.7		1.0	0.31	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	0.47	J	1.0	0.38	ug/L	1		8260B	Total/NA
1,2-Dichlorobenzene	1.8		1.0	0.79	ug/L	1		8260B	Total/NA
Acetone	5.8	J	10	3.0	ug/L	1		8260B	Total/NA
Carbon disulfide	1.4		1.0	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: PH-3 (Continued) — Lab Sample ID: 480-27826-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	54		1.0	0.68	ug/L	1		8260B	Total/NA
Toluene	13		1.0	0.51	ug/L	1		8260B	Total/NA
2-Methylnaphthalene	6.7	J	47	5.7	ug/L	10		8270C	Total/NA
Acenaphthene	42	J	47	3.9	ug/L	10		8270C	Total/NA
Anthracene	52		47	2.6	ug/L	10		8270C	Total/NA
Benzo(a)anthracene	250		47	3.4	ug/L	10		8270C	Total/NA
Benzo(a)pyrene	260		47	4.4	ug/L	10		8270C	Total/NA
Benzo(b)fluoranthene	380		47	3.2	ug/L	10		8270C	Total/NA
Benzo(g,h,i)perylene	67		47	3.3	ug/L	10		8270C	Total/NA
Benzo(k)fluoranthene	150		47	6.9	ug/L	10		8270C	Total/NA
Bis(2-ethylhexyl) phthalate	110		47	17	ug/L	10		8270C	Total/NA
Caprolactam	49		47	21	ug/L	10		8270C	Total/NA
Carbazole	62		47	2.8	ug/L	10		8270C	Total/NA
Chrysene	240		47	3.1	ug/L	10		8270C	Total/NA
Dibenz(a,h)anthracene	19	J	47	4.0	ug/L	10		8270C	Total/NA
Dibenzofuran	22	J	94	4.8	ug/L	10		8270C	Total/NA
Fluoranthene	500		47	3.8	ug/L	10		8270C	Total/NA
Fluorene	37	J	47	3.4	ug/L	10		8270C	Total/NA
Indeno(1,2,3-cd)pyrene	74		47	4.4	ug/L	10		8270C	Total/NA
Phenanthrene	280		47	4.2	ug/L	10		8270C	Total/NA
Pyrene	430		47	3.2	ug/L	10		8270C	Total/NA
Arsenic	0.20		0.020	0.011	mg/L	1		6010B	Total/NA
Barium	2.4		0.0040	0.0014	mg/L	1		6010B	Total/NA
Cadmium	0.035		0.0020	0.0010	mg/L	1		6010B	Total/NA
Chromium	1.1		0.0080	0.0020	mg/L	1		6010B	Total/NA
Lead	2.5		0.010	0.0060	mg/L	1		6010B	Total/NA
Selenium	0.017	J	0.030	0.017	mg/L	1		6010B	Total/NA
Silver	0.0037	J	0.0060	0.0034	mg/L	1		6010B	Total/NA
Barium	0.049		0.0020	0.00070	mg/L	1		6010B	Dissolved

Client Sample ID: PH-4 — Lab Sample ID: 480-27826-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.3	J	10	3.0	ug/L	1		8260B	Total/NA
Carbon disulfide	0.29	J	1.0	0.19	ug/L	1		8260B	Total/NA
Methylcyclohexane	0.58	J	1.0	0.16	ug/L	1		8260B	Total/NA
Benzo(a)anthracene	0.52	J	4.7	0.34	ug/L	1		8270C	Total/NA
Benzo(a)pyrene	0.52	J	4.7	0.44	ug/L	1		8270C	Total/NA
Benzo(b)fluoranthene	0.70	J	4.7	0.32	ug/L	1		8270C	Total/NA
Chrysene	0.56	J	4.7	0.31	ug/L	1		8270C	Total/NA
Fluoranthene	0.49	J	4.7	0.38	ug/L	1		8270C	Total/NA
Pyrene	0.80	J	4.7	0.32	ug/L	1		8270C	Total/NA
Arsenic	0.075		0.010	0.0056	mg/L	1		6010B	Total/NA
Barium	1.9		0.0020	0.00070	mg/L	1		6010B	Total/NA
Cadmium	0.0025		0.0010	0.00050	mg/L	1		6010B	Total/NA
Chromium	0.31		0.0040	0.0010	mg/L	1		6010B	Total/NA
Lead	0.15		0.0050	0.0030	mg/L	1		6010B	Total/NA
Barium	0.29		0.0020	0.00070	mg/L	1		6010B	Dissolved

Client Sample ID: PH-6 — Lab Sample ID: 480-27826-5

Client Sample ID: PH-6 (Continued) — Lab Sample ID: 480-27826-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.0	J	10	3.0	ug/L	1		8260B	Total/NA
Carbon disulfide	0.35	J	1.0	0.19	ug/L	1		8260B	Total/NA
Methylcyclohexane	0.64	J	1.0	0.16	ug/L	1		8260B	Total/NA
Acenaphthene	0.66	J	4.8	0.39	ug/L	1		8270C	Total/NA
Carbazole	0.71	J	4.8	0.29	ug/L	1		8270C	Total/NA
Dibenzofuran	0.51	J	9.6	0.49	ug/L	1		8270C	Total/NA
Fluorene	0.60	J	4.8	0.35	ug/L	1		8270C	Total/NA
Arsenic	0.087		0.010	0.0056	mg/L	1		6010B	Total/NA
Barium	1.7		0.0020	0.00070	mg/L	1		6010B	Total/NA
Cadmium	0.0019		0.0010	0.00050	mg/L	1		6010B	Total/NA
Chromium	0.38		0.0040	0.0010	mg/L	1		6010B	Total/NA
Lead	0.13		0.0050	0.0030	mg/L	1		6010B	Total/NA
Barium	1.3	B7	0.0020	0.00070	mg/L	1		6010B	Dissolved

Client Sample ID: PH-5 — Lab Sample ID: 480-27956-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	2.0	J	10	1.3	ug/L	1		8260B	Total/NA
Acetone	11		10	3.0	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.43	J	1.0	0.36	ug/L	1		8260B	Total/NA
Toluene	0.72	J	1.0	0.51	ug/L	1		8260B	Total/NA
Acenaphthene	0.60	J	4.8	0.39	ug/L	1		8270C	Total/NA
Arsenic	0.084		0.010	0.0056	mg/L	1		6010B	Total/NA
Barium	12.2		0.010	0.0035	mg/L	5		6010B	Total/NA
Cadmium	0.0016		0.0010	0.00050	mg/L	1		6010B	Total/NA
Chromium	0.24		0.0040	0.0010	mg/L	1		6010B	Total/NA
Lead	0.10		0.0050	0.0030	mg/L	1		6010B	Total/NA
Barium	5.8		0.0020	0.00070	mg/L	1		6010B	Dissolved
Chromium	0.0057		0.0040	0.0010	mg/L	1		6010B	Dissolved
Mercury	0.00012	J	0.00020	0.00012	mg/L	1		7470A	Total/NA

Client Sample ID: PH-7 — Lab Sample ID: 480-27956-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylcyclohexane	0.26	J	1.0	0.16	ug/L	1		8260B	Total/NA
Arsenic	0.010		0.010	0.0056	mg/L	1		6010B	Total/NA
Barium	0.53		0.0020	0.00070	mg/L	1		6010B	Total/NA
Chromium	0.0049		0.0040	0.0010	mg/L	1		6010B	Total/NA
Barium	0.20		0.0020	0.00070	mg/L	1		6010B	Dissolved

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-29825-1

Client Sample ID: PH-1

Date Collected: 11/05/12 11:30
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Tricdloroetdane	1.0	h	1.0	0.82	7g/L			11/11/12 18:45	1
1,1,2,2-Tetracdloroetdane	1.0	h	1.0	0.21	7g/L			11/11/12 18:45	1
1,1,2-Tricdloroetdane	1.0	h	1.0	0.2U	7g/L			11/11/12 18:45	1
1,1,2-Tricdloro-1,2,2-triu7oroetdane	1.0	h	1.0	0.U1	7g/L			11/11/12 18:45	1
1,1-Dicdloroetdane	1.0	h	1.0	0.U8	7g/L			11/11/12 18:45	1
1,1-Dicdloroetdene	1.0	h	1.0	0.2K	7g/L			11/11/12 18:45	1
1,2,4-Tricdloroben3ene	1.0	h	1.0	0.41	7g/L			11/11/12 18:45	1
1,2-Dibromo-U-Cdlorof rof ane	1.0	h	1.0	0.UK	7g/L			11/11/12 18:45	1
1,2-Dibromoetdane	1.0	h	1.0	0.9U	7g/L			11/11/12 18:45	1
1,2-Dicdloroben3ene	1.0	h	1.0	0.9K	7g/L			11/11/12 18:45	1
1,2-Dicdloroetdane	1.0	h	1.0	0.21	7g/L			11/11/12 18:45	1
1,2-Dicdlorof rof ane	1.0	h	1.0	0.92	7g/L			11/11/12 18:45	1
1,U-Dicdloroben3ene	1.0	h	1.0	0.98	7g/L			11/11/12 18:45	1
1,4-Dicdloroben3ene	1.0	h	1.0	0.84	7g/L			11/11/12 18:45	1
2-p eH-anone	z.0	h	z.0	1.2	7g/L			11/11/12 18:45	1
2-x 7tanone BM(E)	10	h	10	1.U	7g/L			11/11/12 18:45	1
4-Metdyl-2-f entanone BMIx E)	z.0	h	z.0	2.1	7g/L			11/11/12 18:45	1
Acetone	**4.0**	**J**	10	U.0	7g/L			11/11/12 18:45	1
x en3ene	1.0	h	1.0	0.41	7g/L			11/11/12 18:45	1
x romo6icdlorometdane	1.0	h	1.0	0.UK	7g/L			11/11/12 18:45	1
x romouorm	1.0	h	1.0	0.25	7g/L			11/11/12 18:45	1
x romometdane	1.0	h	1.0	0.5K	7g/L			11/11/12 18:45	1
Carbon disulfide	**0.21**	**J**	1.0	0.1K	7g/L			11/11/12 18:45	1
Carbon tetracdlori6e	1.0	h	1.0	0.29	7g/L			11/11/12 18:45	1
Cdloroben3ene	1.0	h	1.0	0.9z	7g/L			11/11/12 18:45	1
Dibromocdlorometdane	1.0	h	1.0	0.U2	7g/L			11/11/12 18:45	1
Cdloroetdane	1.0	h	1.0	0.U2	7g/L			11/11/12 18:45	1
Cdlorouorm	1.0	h	1.0	0.U4	7g/L			11/11/12 18:45	1
Cdlorometdane	1.0	h	1.0	0.Uz	7g/L			11/11/12 18:45	1
cis-1,2-Dicdloroetdene	1.0	h	1.0	0.81	7g/L			11/11/12 18:45	1
cis-1,U-Dicdlorof rof ene	1.0	h	1.0	0.U5	7g/L			11/11/12 18:45	1
CyclodeH-ane	1.0	h	1.0	0.18	7g/L			11/11/12 18:45	1
Dicdloro6iu7orometdane	1.0	h	1.0	0.58	7g/L			11/11/12 18:45	1
(tdylben3ene	1.0	h	1.0	0.94	7g/L			11/11/12 18:45	1
Isof rof ylben3ene	1.0	h	1.0	0.9K	7g/L			11/11/12 18:45	1
Metdyl acetate	1.0	h	1.0	0.z0	7g/L			11/11/12 18:45	1
Metdyl tert-b7tyl etder	1.0	h	1.0	0.15	7g/L			11/11/12 18:45	1
MetdylcyclodeH-ane	1.0	h	1.0	0.15	7g/L			11/11/12 18:45	1
Metdylene Cdlori6e	1.0	h	1.0	0.44	7g/L			11/11/12 18:45	1
Styrene	1.0	h	1.0	0.9U	7g/L			11/11/12 18:45	1
Tetracdloroetdene	1.0	h	1.0	0.U5	7g/L			11/11/12 18:45	1
Toluene	**0.80**	**J**	1.0	0.z1	7g/L			11/11/12 18:45	1
trans-1,2-Dicdloroetdene	1.0	h	1.0	0.K0	7g/L			11/11/12 18:45	1
trans-1,U-Dicdlorof rof ene	1.0	h	1.0	0.U9	7g/L			11/11/12 18:45	1
Tricdloroetdene	1.0	h	1.0	0.45	7g/L			11/11/12 18:45	1
Tricdlorou7orometdane	1.0	h	1.0	0.88	7g/L			11/11/12 18:45	1
Vinyl cdlori6e	1.0	h	1.0	0.K0	7g/L			11/11/12 18:45	1
Xylenes, Total	2.0	h	2.0	0.55	7g/L			11/11/12 18:45	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-29825-1

Client Sample ID: PH-1

Date Collected: 11/05/12 11:30
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-1

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*66 - 137*		*11/11/12 18:46*	*1*
Toluene-d8 (Surr)	*110*		*71 - 126*		*11/11/12 18:46*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/11/12 18:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
x if denyl	4.8	h	4.8	0.52	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
bis B2-cdloroisof rof yl) etder	4.8	h	4.8	0.z0	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
2,4,z-Tricdlorof denol	4.8	h	4.8	0.45	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
2,4,5-Tricdlorof denol	4.8	h	4.8	0.z8	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
2,4-Dicdlorof denol	4.8	h	4.8	0.4K	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
2,4-Dimetdylf denol	4.8	h	4.8	0.48	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
2,4-Dinitrof denol	K.z	h	K.z	2.1	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
2,4-Dinitrotol7ene	4.8	h	4.8	0.4U	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
2,5-Dinitrotol7ene	4.8	h	4.8	0.U8	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
2-Cdloronaf dtdalene	4.8	h	4.8	0.44	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
2-Cdlorof denol	4.8	h	4.8	0.z0	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
2-Metdylnaf dtdalene	4.8	h	4.8	0.z9	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
2-Metdylf denol	4.8	h	4.8	0.U8	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
2-Nitroaniline	K.z	h	K.z	0.40	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
2-Nitrof denol	4.8	h	4.8	0.45	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
U,U-Dicdloroben3i6ine	4.8	h	4.8	0.U8	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
U-Nitroaniline	K.z	h	K.z	0.45	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
4,5-Dinitro-2-metdylf denol	K.z	h	K.z	2.1	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
4-x romof denyl f denyl etder	4.8	h	4.8	0.4U	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
4-Cdloro-U-metdylf denol	4.8	h	4.8	0.4U	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
4-Cdloroaniline	4.8	h	4.8	0.z5	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
4-Cdlorof denyl f denyl etder	4.8	h	4.8	0.UU	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
4-Metdylf denol	K.z	h	K.z	0.U4	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
4-Nitroaniline	K.z	h	K.z	0.24	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
4-Nitrof denol	K.z	h	K.z	1.4	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Acenaf dtdene	4.8	h	4.8	0.UK	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Acenaphthylene	**0.42**	**J**	4.8	0.U5	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Acetof denone	4.8	h	4.8	0.z1	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Anthracene	**0.55**	**J**	4.8	0.29	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Atra3ine	4.8	h	4.8	0.44	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
x en3al6edy6e	4.8	h	4.8	0.2z	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Benzo(a)anthracene	**4.3**	**J**	4.8	0.U4	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Benzo(a)pyrene	**5.3**		4.8	0.4z	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Benzo(b)fluoranthene	**7.3**		4.8	0.U2	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Benzo(g,h,i)perylene	**1.7**	**J**	4.8	0.UU	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
x en3oBk)u7orantdene	4.8	h	4.8	0.90	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
x isB2-cdloroetdoHy)metdane	4.8	h	4.8	0.UU	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
x isB2-cdloroetdyl)etder	4.8	h	4.8	0.U8	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Bis(2-ethylhexyl) phthalate	**11**		4.8	1.9	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
x 7tyl ben3yl f dtdalate	4.8	h	4.8	0.40	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Caf rolactam	4.8	h	4.8	2.1	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Carbazole	**0.56**	**J**	4.8	0.2K	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Chrysene	**5.0**		4.8	0.U1	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Di-n-b7tyl f dtdalate	4.8	h	4.8	0.U0	7g/L		11/08/12 09:09	11/0K/12 10:U9	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-29825-1

Client Sample ID: PH-1

Date Collected: 11/05/12 11:30
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	**2.7**	**J**	4.8	0.4z	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Diben3Ba,d)antdracene	4.8	h	4.8	0.40	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Diben3ou7ran	K.z	h	K.z	0.4K	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Dietdyl f dtdalate	4.8	h	4.8	0.21	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Dimetdyl f dtdalate	4.8	h	4.8	0.U4	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Fluoranthene	**7.8**		4.8	0.U8	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Fl7orene	4.8	h	4.8	0.U4	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
p eHacdloroben3ene	4.8	h	4.8	0.4K	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
p eHacdlorob7ta6iene	4.8	h	4.8	0.5z	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
p eHacdlorocyclof enta6iene	4.8	h	4.8	0.z5	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
p eHacdloroetdane	4.8	h	4.8	0.z5	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Indeno(1,2,3-cd)pyrene	**2.0**	**J**	4.8	0.4z	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Isof dorone	4.8	h	4.8	0.41	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
N-Nitroso6i-n-f rof ylamine	4.8	h	4.8	0.z1	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
N-Nitroso6if denylamine	4.8	h	4.8	0.4K	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Naf dtdalene	4.8	h	4.8	0.92	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Nitroben3ene	4.8	h	4.8	0.28	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Pentacdlorof denol	K.z	h	K.z	2.1	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Phenanthrene	**3.6**	**J**	4.8	0.42	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Pdenol	4.8	h	4.8	0.U9	7g/L		11/08/12 09:09	11/0K/12 10:U9	1
Pyrene	**8.0**		4.8	0.U2	7g/L		11/08/12 09:09	11/0K/12 10:U9	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*32*	*X*	*52 - 132*	*11/08/12 07:07*	*11/09/12 10:37*	*1*
2-Fluorobiphenyl	*25*	*X*	*48 - 120*	*11/08/12 07:07*	*11/09/12 10:37*	*1*
2-Fluorophenol	*23*		*20 - 120*	*11/08/12 07:07*	*11/09/12 10:37*	*1*
Nitrobenzene-d5	*57*		*46 - 120*	*11/08/12 07:07*	*11/09/12 10:37*	*1*
p-Terphenyl-d14	*11*	*X*	*67 - 150*	*11/08/12 07:07*	*11/09/12 10:37*	*1*
Phenol-d5	*18*		*16 - 120*	*11/08/12 07:07*	*11/09/12 10:37*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.20**		0.010	0.00z5	mg/L		11/09/12 11:U0	11/08/12 19:UK	1
Barium	**2.5**		0.0020	0.00090	mg/L		11/09/12 11:U0	11/08/12 19:UK	1
Ca6mi7m	0.0010	h	0.0010	0.000z0	mg/L		11/09/12 11:U0	11/08/12 19:UK	1
Chromium	**0.78**		0.0040	0.0010	mg/L		11/09/12 11:U0	11/08/12 19:UK	1
Lead	**0.75**		0.00z0	0.00U0	mg/L		11/09/12 11:U0	11/08/12 19:UK	1
Selenium	**0.017**		0.01z	0.0089	mg/L		11/09/12 11:U0	11/08/12 19:UK	1
Silver	0.00U0	h	0.00U0	0.0019	mg/L		11/09/12 11:U0	11/08/12 19:UK	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	h	0.010	0.00z5	mg/L		11/0K/12 08:U0	11/0K/12 22:z0	1
Barium	**0.083**		0.0020	0.00090	mg/L		11/20/12 0K:10	11/20/12 1z:48	1
Ca6mi7m	0.0010	h	0.0010	0.000z0	mg/L		11/0K/12 08:U0	11/0K/12 22:z0	1
Cdromi7m	0.0040	h	0.0040	0.0010	mg/L		11/0K/12 08:U0	11/0K/12 22:z0	1
Lea6	0.00z0	h	0.00z0	0.00U0	mg/L		11/0K/12 08:U0	11/0K/12 22:z0	1
Seleni7m	0.01z	h	0.01z	0.0089	mg/L		11/0K/12 08:U0	11/0K/12 22:z0	1
Silver	0.00U0	h	0.00U0	0.0019	mg/L		11/0K/12 08:U0	11/0K/12 22:z0	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-29825-1

Client Sample ID: PH-1

Lab Sample ID: 480-27826-1

Date Collected: 11/05/12 11:30

Matrix: Water

Date Received: 11/06/12 08:15

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Merc7ry	0.00020	h	0.00020	0.00012	mg/L		11/09/12 08:1U	11/09/12 14:10	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Merc7ry	0.00020	h	0.00020	0.00012	mg/L		11/08/12 10:40	11/08/12 14:1z	1

Client Sample ID: PH-2

Lab Sample ID: 480-27826-2

Date Collected: 11/05/12 12:15

Matrix: Water

Date Received: 11/06/12 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Tricdloroetdane	1.0	h	1.0	0.82	7g/L			11/11/12 1K:0K	1
1,1,2,2-Tetracdloroetdane	1.0	h	1.0	0.21	7g/L			11/11/12 1K:0K	1
1,1,2-Tricdloroetdane	1.0	h	1.0	0.2U	7g/L			11/11/12 1K:0K	1
1,1,2-Tricdloro-1,2,2-triu7oroetdane	1.0	h	1.0	0.U1	7g/L			11/11/12 1K:0K	1
1,1-Dicdloroetdane	1.0	h	1.0	0.U8	7g/L			11/11/12 1K:0K	1
1,1-Dicdloroetdene	1.0	h	1.0	0.2K	7g/L			11/11/12 1K:0K	1
1,2,4-Tricdloroben3ene	1.0	h	1.0	0.41	7g/L			11/11/12 1K:0K	1
1,2-Dibromo-U-Cdlorof rof ane	1.0	h	1.0	0.UK	7g/L			11/11/12 1K:0K	1
1,2-Dibromoetdane	1.0	h	1.0	0.9U	7g/L			11/11/12 1K:0K	1
1,2-Dicdloroben3ene	1.0	h	1.0	0.9K	7g/L			11/11/12 1K:0K	1
1,2-Dicdloroetdane	1.0	h	1.0	0.21	7g/L			11/11/12 1K:0K	1
1,2-Dicdlorof rof ane	1.0	h	1.0	0.92	7g/L			11/11/12 1K:0K	1
1,U-Dicdloroben3ene	1.0	h	1.0	0.98	7g/L			11/11/12 1K:0K	1
1,4-Dicdloroben3ene	1.0	h	1.0	0.84	7g/L			11/11/12 1K:0K	1
2-p eHanone	z.0	h	z.0	1.2	7g/L			11/11/12 1K:0K	1
2-x 7tanone BM(E)	10	h	10	1.U	7g/L			11/11/12 1K:0K	1
4-Metdyl-2-f entanone BMIx E)	z.0	h	z.0	2.1	7g/L			11/11/12 1K:0K	1
Acetone	**4.6**	**J**	10	U.0	7g/L			11/11/12 1K:0K	1
x en3ene	1.0	h	1.0	0.41	7g/L			11/11/12 1K:0K	1
x romo6icdlorometdane	1.0	h	1.0	0.UK	7g/L			11/11/12 1K:0K	1
x romouorm	1.0	h	1.0	0.25	7g/L			11/11/12 1K:0K	1
x romometdane	1.0	h	1.0	0.5K	7g/L			11/11/12 1K:0K	1
Carbon 6is7lu6e	1.0	h	1.0	0.1K	7g/L			11/11/12 1K:0K	1
Carbon tetracdlori6e	1.0	h	1.0	0.29	7g/L			11/11/12 1K:0K	1
Cdloroben3ene	1.0	h	1.0	0.9z	7g/L			11/11/12 1K:0K	1
Dibromocdlorometdane	1.0	h	1.0	0.U2	7g/L			11/11/12 1K:0K	1
Cdloroetdane	1.0	h	1.0	0.U2	7g/L			11/11/12 1K:0K	1
Cdlorouorm	1.0	h	1.0	0.U4	7g/L			11/11/12 1K:0K	1
Cdlorometdane	1.0	h	1.0	0.Uz	7g/L			11/11/12 1K:0K	1
cis-1,2-Dicdloroetdene	1.0	h	1.0	0.81	7g/L			11/11/12 1K:0K	1
cis-1,U-Dicdlorof rof ene	1.0	h	1.0	0.U5	7g/L			11/11/12 1K:0K	1
CyclodeHane	1.0	h	1.0	0.18	7g/L			11/11/12 1K:0K	1
Dicdloro6iu7orometdane	1.0	h	1.0	0.58	7g/L			11/11/12 1K:0K	1
(tdylben3ene	1.0	h	1.0	0.94	7g/L			11/11/12 1K:0K	1
Isof rof ylben3ene	1.0	h	1.0	0.9K	7g/L			11/11/12 1K:0K	1
Metdyl acetate	1.0	h	1.0	0.z0	7g/L			11/11/12 1K:0K	1
Metdyl tert-b7tyl etder	1.0	h	1.0	0.15	7g/L			11/11/12 1K:0K	1
MetdylcyclodeHane	1.0	h	1.0	0.15	7g/L			11/11/12 1K:0K	1

Client Sample ID: PH-2

Date Collected: 11/05/12 12:15
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Metdylene Cdlori6e	1.0	h	1.0	0.44	7g/L			11/11/12 1K:0K	1
Styrene	1.0	h	1.0	0.9U	7g/L			11/11/12 1K:0K	1
Tetracdloroetdene	1.0	h	1.0	0.U5	7g/L			11/11/12 1K:0K	1
Tol7ene	1.0	h	1.0	0.z1	7g/L			11/11/12 1K:0K	1
trans-1,2-Dicdloroetdene	1.0	h	1.0	0.K0	7g/L			11/11/12 1K:0K	1
trans-1,U-Dicdlorof rof ene	1.0	h	1.0	0.U9	7g/L			11/11/12 1K:0K	1
Tricdloroetdene	1.0	h	1.0	0.45	7g/L			11/11/12 1K:0K	1
Tricdlorou7orometdane	1.0	h	1.0	0.88	7g/L			11/11/12 1K:0K	1
Vinyl cdlori6e	1.0	h	1.0	0.K0	7g/L			11/11/12 1K:0K	1
Xylenes, Total	2.0	h	2.0	0.55	7g/L			11/11/12 1K:0K	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*66 - 137*		*11/11/12 19:09*	*1*
Toluene-d8 (Surr)	*110*		*71 - 126*		*11/11/12 19:09*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*11/11/12 19:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
x if denyl	4.9	h	4.9	0.52	7g/L		11/08/12 09:09	11/0K/12 10:14	1
bis B2-cdloroisof rof yl) etder	4.9	h	4.9	0.4K	7g/L		11/08/12 09:09	11/0K/12 10:14	1
2,4,z-Tricdlorof denol	4.9	h	4.9	0.4z	7g/L		11/08/12 09:09	11/0K/12 10:14	1
2,4,5-Tricdlorof denol	4.9	h	4.9	0.z8	7g/L		11/08/12 09:09	11/0K/12 10:14	1
2,4-Dicdlorof denol	4.9	h	4.9	0.48	7g/L		11/08/12 09:09	11/0K/12 10:14	1
2,4-Dimetdylf denol	4.9	h	4.9	0.49	7g/L		11/08/12 09:09	11/0K/12 10:14	1
2,4-Dinitrof denol	K.4	h	K.4	2.1	7g/L		11/08/12 09:09	11/0K/12 10:14	1
2,4-Dinitrotol7ene	4.9	h	4.9	0.42	7g/L		11/08/12 09:09	11/0K/12 10:14	1
2,5-Dinitrotol7ene	4.9	h	4.9	0.U8	7g/L		11/08/12 09:09	11/0K/12 10:14	1
2-Cdloronaf dtdalene	4.9	h	4.9	0.4U	7g/L		11/08/12 09:09	11/0K/12 10:14	1
2-Cdlorof denol	4.9	h	4.9	0.z0	7g/L		11/08/12 09:09	11/0K/12 10:14	1
2-Metdylnaf dtdalene	4.9	h	4.9	0.z9	7g/L		11/08/12 09:09	11/0K/12 10:14	1
2-Metdylf denol	4.9	h	4.9	0.U8	7g/L		11/08/12 09:09	11/0K/12 10:14	1
2-Nitroaniline	K.4	h	K.4	0.40	7g/L		11/08/12 09:09	11/0K/12 10:14	1
2-Nitrof denol	4.9	h	4.9	0.4z	7g/L		11/08/12 09:09	11/0K/12 10:14	1
U,U-Dicdloroben3i6ine	4.9	h	4.9	0.U8	7g/L		11/08/12 09:09	11/0K/12 10:14	1
U-Nitroaniline	K.4	h	K.4	0.4z	7g/L		11/08/12 09:09	11/0K/12 10:14	1
4,5-Dinitro-2-metdylf denol	K.4	h	K.4	2.1	7g/L		11/08/12 09:09	11/0K/12 10:14	1
4-x romof denyl f denyl etder	4.9	h	4.9	0.42	7g/L		11/08/12 09:09	11/0K/12 10:14	1
4-Cdloro-U-metdylf denol	4.9	h	4.9	0.42	7g/L		11/08/12 09:09	11/0K/12 10:14	1
4-Cdloroaniline	4.9	h	4.9	0.z5	7g/L		11/08/12 09:09	11/0K/12 10:14	1
4-Cdlorof denyl f denyl etder	4.9	h	4.9	0.UU	7g/L		11/08/12 09:09	11/0K/12 10:14	1
4-Metdylf denol	K.4	h	K.4	0.U4	7g/L		11/08/12 09:09	11/0K/12 10:14	1
4-Nitroaniline	K.4	h	K.4	0.24	7g/L		11/08/12 09:09	11/0K/12 10:14	1
4-Nitrof denol	K.4	h	K.4	1.4	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Acenaf dtdene	4.9	h	4.9	0.UK	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Acenaf dtdylene	4.9	h	4.9	0.U5	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Acetof denone	4.9	h	4.9	0.z1	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Antdracene	4.9	h	4.9	0.25	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Atra3ine	4.9	h	4.9	0.4U	7g/L		11/08/12 09:09	11/0K/12 10:14	1
x en3al6edy6e	4.9	h	4.9	0.2z	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Benzo(a)anthracene	**1.1**	**J**	4.9	0.U4	7g/L		11/08/12 09:09	11/0K/12 10:14	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-29825-1

Client Sample ID: PH-2

Date Collected: 11/05/12 12:15
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	**1.4**	**J**	4.9	0.44	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Benzo(b)fluoranthene	**1.8**	**J**	4.9	0.U2	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Benzo(g,h,i)perylene	**0.56**	**J**	4.9	0.UU	7g/L		11/08/12 09:09	11/0K/12 10:14	1
x en3oB(k)u7orantdene	4.9	h	4.9	0.5K	7g/L		11/08/12 09:09	11/0K/12 10:14	1
x isB2-cdloroetdoHy)metdane	4.9	h	4.9	0.UU	7g/L		11/08/12 09:09	11/0K/12 10:14	1
x isB2-cdloroetdyl)etder	4.9	h	4.9	0.U8	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Bis(2-ethylhexyl) phthalate	**8.5**		4.9	1.9	7g/L		11/08/12 09:09	11/0K/12 10:14	1
x 7tyl ben3yl f dtdalate	4.9	h	4.9	0.40	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Caf rolactam	4.9	h	4.9	2.1	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Carba3ole	4.9	h	4.9	0.28	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Chrysene	**1.2**	**J**	4.9	0.U1	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Di-n-b7tyl f dtdalate	4.9	h	4.9	0.2K	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Di-n-octyl phthalate	**2.5**	**J**	4.9	0.44	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Diben3Ba,d)antdracene	4.9	h	4.9	0.40	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Diben3ou7ran	K.4	h	K.4	0.48	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Dietdyl f dtdalate	4.9	h	4.9	0.21	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Dimetdyl f dtdalate	4.9	h	4.9	0.U4	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Fluoranthene	**1.4**	**J**	4.9	0.U8	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Fl7orene	4.9	h	4.9	0.U4	7g/L		11/08/12 09:09	11/0K/12 10:14	1
p eHacdloroben3ene	4.9	h	4.9	0.48	7g/L		11/08/12 09:09	11/0K/12 10:14	1
p eHacdlorob7ta6iene	4.9	h	4.9	0.54	7g/L		11/08/12 09:09	11/0K/12 10:14	1
p eHacdlorocyclof enta6iene	4.9	h	4.9	0.z5	7g/L		11/08/12 09:09	11/0K/12 10:14	1
p eHacdloroetdane	4.9	h	4.9	0.z5	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Indeno(1,2,3-cd)pyrene	**0.56**	**J**	4.9	0.44	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Isof dorone	4.9	h	4.9	0.41	7g/L		11/08/12 09:09	11/0K/12 10:14	1
N-Nitroso6i-n-f rof ylamine	4.9	h	4.9	0.z1	7g/L		11/08/12 09:09	11/0K/12 10:14	1
N-Nitroso6if denylamine	4.9	h	4.9	0.48	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Naf dtdalene	4.9	h	4.9	0.92	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Nitroben3ene	4.9	h	4.9	0.29	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Pentacdlorof denol	K.4	h	K.4	2.1	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Pdenantdrene	4.9	h	4.9	0.42	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Pdenol	4.9	h	4.9	0.U9	7g/L		11/08/12 09:09	11/0K/12 10:14	1
Pyrene	**1.9**	**J**	4.9	0.U2	7g/L		11/08/12 09:09	11/0K/12 10:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*52 - 132*	*11/08/12 07:07*	*11/09/12 10:14*	*1*
2-Fluorobiphenyl	*57*		*48 - 120*	*11/08/12 07:07*	*11/09/12 10:14*	*1*
2-Fluorophenol	*28*		*20 - 120*	*11/08/12 07:07*	*11/09/12 10:14*	*1*
Nitrobenzene-d5	*75*		*46 - 120*	*11/08/12 07:07*	*11/09/12 10:14*	*1*
p-Terphenyl-d14	*23*	*X*	*67 - 150*	*11/08/12 07:07*	*11/09/12 10:14*	*1*
Phenol-d5	*21*		*16 - 120*	*11/08/12 07:07*	*11/09/12 10:14*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.13**		0.010	0.00z5	mg/L		11/09/12 11:U0	11/08/12 19:41	1
Barium	**1.9**		0.0020	0.00090	mg/L		11/09/12 11:U0	11/08/12 19:41	1
Cadmium	**0.0067**		0.0010	0.000z0	mg/L		11/09/12 11:U0	11/0K/12 19:22	1
Chromium	**0.68**		0.0040	0.0010	mg/L		11/09/12 11:U0	11/08/12 19:41	1
Lead	**0.46**		0.00z0	0.00U0	mg/L		11/09/12 11:U0	11/08/12 19:41	1
Seleni7m	0.01z	h	0.01z	0.0089	mg/L		11/09/12 11:U0	11/08/12 19:41	1

Client Sample ID: PH-2

Lab Sample ID: 480-27826-2

Date Collected: 11/05/12 12:15

Matrix: Water

Date Received: 11/06/12 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.00U0	h	0.00U0	0.0019	mg/L		11/09/12 11:U0	11/08/12 19:41	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	h	0.010	0.00z5	mg/L		11/0K/12 08:U0	11/0K/12 22:zU	1
x ari7m	0.0020	h	0.0020	0.00090	mg/L		11/0K/12 08:U0	11/0K/12 22:zU	1
Ca6mi7m	0.0010	h	0.0010	0.000z0	mg/L		11/0K/12 08:U0	11/0K/12 22:zU	1
Cdromi7m	0.0040	h	0.0040	0.0010	mg/L		11/0K/12 08:U0	11/0K/12 22:zU	1
Lea6	0.00z0	h	0.00z0	0.00U0	mg/L		11/0K/12 08:U0	11/0K/12 22:zU	1
Seleni7m	0.01z	h	0.01z	0.0089	mg/L		11/0K/12 08:U0	11/0K/12 22:zU	1
Silver	0.00U0	h	0.00U0	0.0019	mg/L		11/0K/12 08:U0	11/0K/12 22:zU	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Merc7ry	0.00020	h	0.00020	0.00012	mg/L		11/09/12 08:1U	11/09/12 14:12	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Merc7ry	0.00020	h	0.00020	0.00012	mg/L		11/08/12 10:40	11/08/12 14:19	1

Client Sample ID: PH-3

Lab Sample ID: 480-27826-3

Date Collected: 11/05/12 13:30

Matrix: Water

Date Received: 11/06/12 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Tricdloroetdane	1.0	h	1.0	0.82	7g/L			11/11/12 1K:U2	1
1,1,2,2-Tetracdloroetdane	1.0	h	1.0	0.21	7g/L			11/11/12 1K:U2	1
1,1,2-Tricdloroetdane	1.0	h	1.0	0.2U	7g/L			11/11/12 1K:U2	1
1,1,2-Trichloro-1,2,2-trifluoroetha ne	**3.7**		1.0	0.U1	7g/L			11/11/12 1K:U2	1
1,1-Dichloroethane	**0.47**	**J**	1.0	0.U8	7g/L			11/11/12 1K:U2	1
1,1-Dicdloroetdene	1.0	h	1.0	0.2K	7g/L			11/11/12 1K:U2	1
1,2,4-Tricdloroben3ene	1.0	h	1.0	0.41	7g/L			11/11/12 1K:U2	1
1,2-Dibromo-U-Cdlorof rof ane	1.0	h	1.0	0.UK	7g/L			11/11/12 1K:U2	1
1,2-Dibromoetdane	1.0	h	1.0	0.9U	7g/L			11/11/12 1K:U2	1
1,2-Dichlorobenzene	**1.8**		1.0	0.9K	7g/L			11/11/12 1K:U2	1
1,2-Dicdloroetdane	1.0	h	1.0	0.21	7g/L			11/11/12 1K:U2	1
1,2-Dicdlorof rof ane	1.0	h	1.0	0.92	7g/L			11/11/12 1K:U2	1
1,U-Dicdloroben3ene	1.0	h	1.0	0.98	7g/L			11/11/12 1K:U2	1
1,4-Dicdloroben3ene	1.0	h	1.0	0.84	7g/L			11/11/12 1K:U2	1
2-p eHanone	z.0	h	z.0	1.2	7g/L			11/11/12 1K:U2	1
2-x 7tanone BM(E)	10	h	10	1.U	7g/L			11/11/12 1K:U2	1
4-Metdyl-2-f entanone BMIx E)	z.0	h	z.0	2.1	7g/L			11/11/12 1K:U2	1
Acetone	**5.8**	**J**	10	U.0	7g/L			11/11/12 1K:U2	1
x en3ene	1.0	h	1.0	0.41	7g/L			11/11/12 1K:U2	1
x romo6icdlorometdane	1.0	h	1.0	0.UK	7g/L			11/11/12 1K:U2	1
x romouorm	1.0	h	1.0	0.25	7g/L			11/11/12 1K:U2	1
x romometdane	1.0	h	1.0	0.5K	7g/L			11/11/12 1K:U2	1
Carbon disulfide	**1.4**		1.0	0.1K	7g/L			11/11/12 1K:U2	1
Carbon tetracdlori6e	1.0	h	1.0	0.29	7g/L			11/11/12 1K:U2	1

Client Sample ID: PH-3

Date Collected: 11/05/12 13:30
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cdloroben3ene	1.0	h	1.0	0.9z	7g/L			11/11/12 1K:U2	1
Dibromocdlorometdane	1.0	h	1.0	0.U2	7g/L			11/11/12 1K:U2	1
Cdloroetdane	1.0	h	1.0	0.U2	7g/L			11/11/12 1K:U2	1
Cdlorouorm	1.0	h	1.0	0.U4	7g/L			11/11/12 1K:U2	1
Cdlorometdane	1.0	h	1.0	0.Uz	7g/L			11/11/12 1K:U2	1
cis-1,2-Dicdloroetdene	1.0	h	1.0	0.81	7g/L			11/11/12 1K:U2	1
cis-1,U-Dicdlorof rof ene	1.0	h	1.0	0.U5	7g/L			11/11/12 1K:U2	1
CyclodeHane	1.0	h	1.0	0.18	7g/L			11/11/12 1K:U2	1
Dichlorodifluoromethane	**54**		1.0	0.58	7g/L			11/11/12 1K:U2	1
(tdylben3ene	1.0	h	1.0	0.94	7g/L			11/11/12 1K:U2	1
Isof rof ylben3ene	1.0	h	1.0	0.9K	7g/L			11/11/12 1K:U2	1
Metdyl acetate	1.0	h	1.0	0.z0	7g/L			11/11/12 1K:U2	1
Metdyl tert-b7tyl etder	1.0	h	1.0	0.15	7g/L			11/11/12 1K:U2	1
MetdylcyclodeHane	1.0	h	1.0	0.15	7g/L			11/11/12 1K:U2	1
Metdylene Cdlori6e	1.0	h	1.0	0.44	7g/L			11/11/12 1K:U2	1
Styrene	1.0	h	1.0	0.9U	7g/L			11/11/12 1K:U2	1
Tetracdloroetdene	1.0	h	1.0	0.U5	7g/L			11/11/12 1K:U2	1
Toluene	**13**		1.0	0.z1	7g/L			11/11/12 1K:U2	1
trans-1,2-Dicdloroetdene	1.0	h	1.0	0.K0	7g/L			11/11/12 1K:U2	1
trans-1,U-Dicdlorof rof ene	1.0	h	1.0	0.U9	7g/L			11/11/12 1K:U2	1
Tricdloroetdene	1.0	h	1.0	0.45	7g/L			11/11/12 1K:U2	1
TricdlorouI7orometdane	1.0	h	1.0	0.88	7g/L			11/11/12 1K:U2	1
Vinyl cdlori6e	1.0	h	1.0	0.K0	7g/L			11/11/12 1K:U2	1
Xylenes, Total	2.0	h	2.0	0.55	7g/L			11/11/12 1K:U2	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*66 - 137*		*11/11/12 19:32*	*1*
Toluene-d8 (Surr)	*106*		*71 - 126*		*11/11/12 19:32*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*11/11/12 19:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
xif denyl	49	h	49	5.2	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
bis B2-cdloroisof rof yl) etder	49	h	49	4.K	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
2,4,z-Tricdlorof denol	49	h	49	4.z	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
2,4,5-Tricdlorof denol	49	h	49	z.8	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
2,4-Dicdlorof denol	49	h	49	4.8	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
2,4-Dimetdylf denol	49	h	49	4.9	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
2,4-Dinitrof denol	K4	h	K4	21	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
2,4-Dinitrotol7ene	49	h	49	4.2	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
2,5-Dinitrotol7ene	49	h	49	U.8	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
2-Cdloronaf dtdalene	49	h	49	4.U	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
2-Cdlorof denol	49	h	49	z.0	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
2-Methylnaphthalene	**6.7**	**J**	49	z.9	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
2-Metdylf denol	49	h	49	U.8	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
2-Nitroaniline	K4	h	K4	4.0	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
2-Nitrof denol	49	h	49	4.z	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
U,U-Dicdloroben3i6ine	49	h	49	U.8	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
U-Nitroaniline	K4	h	K4	4.z	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
4,5-Dinitro-2-metdylf denol	K4	h	K4	21	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10

Client Sample ID: PH-3

Date Collected: 11/05/12 13:30
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-x romof denyl f denyl etder	49	h	49	4.2	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
4-Cdloro-U-metdylf denol	49	h	49	4.2	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
4-Cdloroaniline	49	h	49	z.5	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
4-Cdlorof denyl f denyl etder	49	h	49	U.U	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
4-Metdylf denol	K4	h	K4	U.4	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
4-Nitroaniline	K4	h	K4	2.4	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
4-Nitrof denol	K4	h	K4	14	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Acenaphthene	**42**	**J**	49	U.K	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Acenaf dtdylene	49	h	49	U.5	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Acetof denone	49	h	49	z.1	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Anthracene	**52**		49	2.5	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Atra3ine	49	h	49	4.U	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
x en3al6edy6e	49	h	49	2.z	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Benzo(a)anthracene	**250**		49	U.4	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Benzo(a)pyrene	**260**		49	4.4	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Benzo(b)fluoranthene	**380**		49	U.2	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Benzo(g,h,i)perylene	**67**		49	U.U	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Benzo(k)fluoranthene	**150**		49	5.K	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
x isB2-cdloroetdoHy)metdane	49	h	49	U.U	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
x isB2-cdloroetdyl)etder	49	h	49	U.8	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Bis(2-ethylhexyl) phthalate	**110**		49	19	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
x 7tyl ben3yl f dtdalate	49	h	49	4.0	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Caprolactam	**49**		49	21	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Carbazole	**62**		49	2.8	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Chrysene	**240**		49	U.1	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Di-n-b7tyl f dtdalate	49	h	49	2.K	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Di-n-octyl f dtdalate	49	h	49	4.4	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Dibenz(a,h)anthracene	**19**	**J**	49	4.0	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Dibenzofuran	**22**	**J**	K4	4.8	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Dietdyl f dtdalate	49	h	49	2.1	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Dimetdyl f dtdalate	49	h	49	U.4	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Fluoranthene	**500**		49	U.8	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Fluorene	**37**	**J**	49	U.4	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
p eHacdloroben3ene	49	h	49	4.8	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
p eHacdlorob7ta6iene	49	h	49	5.4	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
p eHacdlorocyclof enta6iene	49	h	49	z.5	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
p eHacdloroetdane	49	h	49	z.5	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Indeno(1,2,3-cd)pyrene	**74**		49	4.4	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Isof dorone	49	h	49	4.1	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
N-Nitroso6i-n-f rof ylamine	49	h	49	z.1	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
N-Nitroso6if denylamine	49	h	49	4.8	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Naf dtdalene	49	h	49	9.2	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Nitroben3ene	49	h	49	2.9	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Pentacdlorof denol	K4	h	K4	21	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Phenanthrene	**280**		49	4.2	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Pdenol	49	h	49	U.9	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10
Pyrene	**430**		49	U.2	7g/L		11/08/12 09:09	11/0K/12 0K:z0	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*42*	*X*	*52 - 132*	*11/08/12 07:07*	*11/09/12 09:50*	*10*

Client Sample ID: PH-3

Lab Sample ID: 480-27826-3

Date Collected: 11/05/12 13:30

Matrix: Water

Date Received: 11/06/12 08:15

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*48*		*48 - 120*	*11/08/12 07:07*	*11/09/12 09:50*	*10*
2-Fluorophenol	*3*	*X*	*20 - 120*	*11/08/12 07:07*	*11/09/12 09:50*	*10*
Nitrobenzene-d5	*53*		*46 - 120*	*11/08/12 07:07*	*11/09/12 09:50*	*10*
p-Terphenyl-d14	*35*	*X*	*67 - 150*	*11/08/12 07:07*	*11/09/12 09:50*	*10*
Phenol-d5	*2*	*X*	*16 - 120*	*11/08/12 07:07*	*11/09/12 09:50*	*10*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.20**		0.020	0.011	mg/L		11/09/12 11:U0	11/08/12 19:44	1
Barium	**2.4**		0.0040	0.0014	mg/L		11/09/12 11:U0	11/08/12 19:44	1
Cadmium	**0.035**		0.0020	0.0010	mg/L		11/09/12 11:U0	11/08/12 19:44	1
Chromium	**1.1**		0.0080	0.0020	mg/L		11/09/12 11:U0	11/08/12 19:44	1
Lead	**2.5**		0.010	0.0050	mg/L		11/09/12 11:U0	11/08/12 19:44	1
Selenium	**0.017**	**J**	0.0U0	0.019	mg/L		11/09/12 11:U0	11/08/12 19:44	1
Silver	**0.0037**	**J**	0.0050	0.00U4	mg/L		11/09/12 11:U0	11/08/12 19:44	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	h	0.010	0.00z5	mg/L		11/0K/12 08:U0	11/0K/12 22:zz	1
Barium	**0.049**		0.0020	0.00090	mg/L		11/20/12 0K:10	11/20/12 1z:zz	1
Ca6mi7m	0.0010	h	0.0010	0.000z0	mg/L		11/0K/12 08:U0	11/0K/12 22:zz	1
Cdromi7m	0.0040	h	0.0040	0.0010	mg/L		11/0K/12 08:U0	11/0K/12 22:zz	1
Lea6	0.00z0	h	0.00z0	0.00U0	mg/L		11/0K/12 08:U0	11/0K/12 22:zz	1
Seleni7m	0.01z	h	0.01z	0.0089	mg/L		11/0K/12 08:U0	11/0K/12 22:zz	1
Silver	0.00U0	h	0.00U0	0.0019	mg/L		11/0K/12 08:U0	11/0K/12 22:zz	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Merc7ry	0.00020	h	0.00020	0.00012	mg/L		11/09/12 08:1U	11/09/12 14:14	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Merc7ry	0.00020	h	0.00020	0.00012	mg/L		11/08/12 10:40	11/08/12 14:1K	1

Client Sample ID: PH-4

Lab Sample ID: 480-27826-4

Date Collected: 11/05/12 14:30

Matrix: Water

Date Received: 11/06/12 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Tricdloroetdane	1.0	h	1.0	0.82	7g/L			11/11/12 1K:z4	1
1,1,2,2-Tetracdloroetdane	1.0	h	1.0	0.21	7g/L			11/11/12 1K:z4	1
1,1,2-Tricdloroetdane	1.0	h	1.0	0.2U	7g/L			11/11/12 1K:z4	1
1,1,2-Tricdloro-1,2,2-triu7oroetdane	1.0	h	1.0	0.U1	7g/L			11/11/12 1K:z4	1
1,1-Dicdloroetdane	1.0	h	1.0	0.U8	7g/L			11/11/12 1K:z4	1
1,1-Dicdloroetdene	1.0	h	1.0	0.2K	7g/L			11/11/12 1K:z4	1
1,2,4-Tricdloroben3ene	1.0	h	1.0	0.41	7g/L			11/11/12 1K:z4	1
1,2-Dibromo-U-Cdlorof rof ane	1.0	h	1.0	0.UK	7g/L			11/11/12 1K:z4	1
1,2-Dibromoetdane	1.0	h	1.0	0.9U	7g/L			11/11/12 1K:z4	1
1,2-Dicdloroben3ene	1.0	h	1.0	0.9K	7g/L			11/11/12 1K:z4	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-29825-1

Client Sample ID: PH-4

Date Collected: 11/05/12 14:30
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dicdloroetdane	1.0	h	1.0	0.21	7g/L			11/11/12 1K:z4	1
1,2-Dicdlorof rof ane	1.0	h	1.0	0.92	7g/L			11/11/12 1K:z4	1
1,U-Dicdloroben3ene	1.0	h	1.0	0.98	7g/L			11/11/12 1K:z4	1
1,4-Dicdloroben3ene	1.0	h	1.0	0.84	7g/L			11/11/12 1K:z4	1
2-p eH-anone	z.0	h	z.0	1.2	7g/L			11/11/12 1K:z4	1
2-x 7tanone BM(E)	10	h	10	1.U	7g/L			11/11/12 1K:z4	1
4-Metdyl-2-f entanone BMIx E)	z.0	h	z.0	2.1	7g/L			11/11/12 1K:z4	1
Acetone	**3.3**	**J**	10	U.0	7g/L			11/11/12 1K:z4	1
x en3ene	1.0	h	1.0	0.41	7g/L			11/11/12 1K:z4	1
x romo6icdlorometdane	1.0	h	1.0	0.UK	7g/L			11/11/12 1K:z4	1
x romouorm	1.0	h	1.0	0.25	7g/L			11/11/12 1K:z4	1
x romometdane	1.0	h	1.0	0.5K	7g/L			11/11/12 1K:z4	1
Carbon disulfide	**0.29**	**J**	1.0	0.1K	7g/L			11/11/12 1K:z4	1
Carbon tetracdlori6e	1.0	h	1.0	0.29	7g/L			11/11/12 1K:z4	1
Cdloroben3ene	1.0	h	1.0	0.9z	7g/L			11/11/12 1K:z4	1
Dibromocdlorometdane	1.0	h	1.0	0.U2	7g/L			11/11/12 1K:z4	1
Cdloroetdane	1.0	h	1.0	0.U2	7g/L			11/11/12 1K:z4	1
Cdlorouorm	1.0	h	1.0	0.U4	7g/L			11/11/12 1K:z4	1
Cdlorometdane	1.0	h	1.0	0.Uz	7g/L			11/11/12 1K:z4	1
cis-1,2-Dicdloroetdene	1.0	h	1.0	0.81	7g/L			11/11/12 1K:z4	1
cis-1,U-Dicdlorof rof ene	1.0	h	1.0	0.U5	7g/L			11/11/12 1K:z4	1
CyclodeH-ane	1.0	h	1.0	0.18	7g/L			11/11/12 1K:z4	1
Dicdloro6iu7orometdane	1.0	h	1.0	0.58	7g/L			11/11/12 1K:z4	1
(tdylben3ene	1.0	h	1.0	0.94	7g/L			11/11/12 1K:z4	1
Isof rof ylben3ene	1.0	h	1.0	0.9K	7g/L			11/11/12 1K:z4	1
Metdyl acetate	1.0	h	1.0	0.z0	7g/L			11/11/12 1K:z4	1
Metdyl tert-b7tyl etder	1.0	h	1.0	0.15	7g/L			11/11/12 1K:z4	1
Methylcyclohexane	**0.58**	**J**	1.0	0.15	7g/L			11/11/12 1K:z4	1
Metdylene Cdlori6e	1.0	h	1.0	0.44	7g/L			11/11/12 1K:z4	1
Styrene	1.0	h	1.0	0.9U	7g/L			11/11/12 1K:z4	1
Tetracdloroetdene	1.0	h	1.0	0.U5	7g/L			11/11/12 1K:z4	1
Tol7ene	1.0	h	1.0	0.z1	7g/L			11/11/12 1K:z4	1
trans-1,2-Dicdloroetdene	1.0	h	1.0	0.K0	7g/L			11/11/12 1K:z4	1
trans-1,U-Dicdlorof rof ene	1.0	h	1.0	0.U9	7g/L			11/11/12 1K:z4	1
Tricdloroetdene	1.0	h	1.0	0.45	7g/L			11/11/12 1K:z4	1
Tricdlorou7orometdane	1.0	h	1.0	0.88	7g/L			11/11/12 1K:z4	1
Vinyl cdlori6e	1.0	h	1.0	0.K0	7g/L			11/11/12 1K:z4	1
Xylenes, Total	2.0	h	2.0	0.55	7g/L			11/11/12 1K:z4	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*66 - 137*		*11/11/12 19:54*	*1*
Toluene-d8 (Surr)	*108*		*71 - 126*		*11/11/12 19:54*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/11/12 19:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
x if denyl	4.9	h	4.9	0.52	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
bis B2-cdloroisof rof yl) etder	4.9	h	4.9	0.4K	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
2,4,z-Tricdlorof denol	4.9	h	4.9	0.4z	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
2,4,5-Tricdlorof denol	4.9	h	4.9	0.z8	7g/L		11/08/12 09:09	11/0K/12 0K:29	1

Client Sample ID: PH-4

Date Collected: 11/05/12 14:30
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dicdlorof denol	4.9	h	4.9	0.48	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
2,4-Dimetdylf denol	4.9	h	4.9	0.49	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
2,4-Dinitrof denol	K.4	h	K.4	2.1	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
2,4-Dinitrotol7ene	4.9	h	4.9	0.42	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
2,5-Dinitrotol7ene	4.9	h	4.9	0.U8	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
2-Cdloronaf dtdalene	4.9	h	4.9	0.4U	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
2-Cdlorof denol	4.9	h	4.9	0.z0	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
2-Metdylnaf dtdalene	4.9	h	4.9	0.z9	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
2-Metdylf denol	4.9	h	4.9	0.U8	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
2-Nitroaniline	K.4	h	K.4	0.40	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
2-Nitrof denol	4.9	h	4.9	0.4z	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
U,U-Dicdloroben3i6ine	4.9	h	4.9	0.U8	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
U-Nitroaniline	K.4	h	K.4	0.4z	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
4,5-Dinitro-2-metdylf denol	K.4	h	K.4	2.1	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
4-x romof denyl f denyl etder	4.9	h	4.9	0.42	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
4-Cdloro-U-metdylf denol	4.9	h	4.9	0.42	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
4-Cdloroaniline	4.9	h	4.9	0.z5	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
4-Cdlorof denyl f denyl etder	4.9	h	4.9	0.UU	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
4-Metdylf denol	K.4	h	K.4	0.U4	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
4-Nitroaniline	K.4	h	K.4	0.24	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
4-Nitrof denol	K.4	h	K.4	1.4	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Acenaf dtdene	4.9	h	4.9	0.UK	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Acenaf dtdylene	4.9	h	4.9	0.U5	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Acetof denone	4.9	h	4.9	0.z1	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Antdracene	4.9	h	4.9	0.25	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Atra3ine	4.9	h	4.9	0.4U	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
x en3al6edy6e	4.9	h	4.9	0.2z	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Benzo(a)anthracene	**0.52**	**J**	4.9	0.U4	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Benzo(a)pyrene	**0.52**	**J**	4.9	0.44	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Benzo(b)fluoranthene	**0.70**	**J**	4.9	0.U2	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
x en3oB g,d,i)f erylene	4.9	h	4.9	0.UU	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
x en3oB k)u7orantdene	4.9	h	4.9	0.5K	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
x isB2-cdloroetdoHy)metdane	4.9	h	4.9	0.UU	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
x isB2-cdloroetdyl)etder	4.9	h	4.9	0.U8	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
x isB2-etdyldeHyl) f dtdalate	4.9	h	4.9	1.9	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
x 7tyl ben3yl f dtdalate	4.9	h	4.9	0.40	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Caf rolactam	4.9	h	4.9	2.1	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Carba3ole	4.9	h	4.9	0.28	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Chrysene	**0.56**	**J**	4.9	0.U1	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Di-n-b7tyl f dtdalate	4.9	h	4.9	0.2K	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Di-n-octyl f dtdalate	4.9	h	4.9	0.44	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Diben3Ba,d)antdracene	4.9	h	4.9	0.40	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Diben3ou7ran	K.4	h	K.4	0.48	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Dietdyl f dtdalate	4.9	h	4.9	0.21	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Dimetdyl f dtdalate	4.9	h	4.9	0.U4	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Fluoranthene	**0.49**	**J**	4.9	0.U8	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Fl7orene	4.9	h	4.9	0.U4	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
p eHacdloroben3ene	4.9	h	4.9	0.48	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
p eHacdlorob7ta6iene	4.9	h	4.9	0.54	7g/L		11/08/12 09:09	11/0K/12 0K:29	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-29825-1

Client Sample ID: PH-4

Date Collected: 11/05/12 14:30
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p eHacdlorocyclof enta6iene	4.9	h	4.9	0.z5	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
p eHacdloroetdane	4.9	h	4.9	0.z5	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
In6enoBl,2,U-c6)f yrene	4.9	h	4.9	0.44	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Isof dorone	4.9	h	4.9	0.41	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
N-Nitroso6i-n-f rof ylamine	4.9	h	4.9	0.z1	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
N-Nitroso6if denylamine	4.9	h	4.9	0.48	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Naf dtdalene	4.9	h	4.9	0.92	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Nitroben3ene	4.9	h	4.9	0.29	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Pentacdlorof denol	K.4	h	K.4	2.1	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Pdenantdrene	4.9	h	4.9	0.42	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Pdenol	4.9	h	4.9	0.U9	7g/L		11/08/12 09:09	11/0K/12 0K:29	1
Pyrene	**0.80**	**J**	4.9	0.U2	7g/L		11/08/12 09:09	11/0K/12 0K:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*119*		*52 - 132*	*11/08/12 07:07*	*11/09/12 09:27*	*1*
2-Fluorobiphenyl	*89*		*48 - 120*	*11/08/12 07:07*	*11/09/12 09:27*	*1*
2-Fluorophenol	*49*		*20 - 120*	*11/08/12 07:07*	*11/09/12 09:27*	*1*
Nitrobenzene-d5	*100*		*46 - 120*	*11/08/12 07:07*	*11/09/12 09:27*	*1*
p-Terphenyl-d14	*35*	*X*	*67 - 150*	*11/08/12 07:07*	*11/09/12 09:27*	*1*
Phenol-d5	*35*		*16 - 120*	*11/08/12 07:07*	*11/09/12 09:27*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.075**		0.010	0.00z5	mg/L		11/09/12 11:U0	11/08/12 19:45	1
Barium	**1.9**		0.0020	0.00090	mg/L		11/09/12 11:U0	11/08/12 19:45	1
Cadmium	**0.0025**		0.0010	0.000z0	mg/L		11/09/12 11:U0	11/0K/12 19:2z	1
Chromium	**0.31**		0.0040	0.0010	mg/L		11/09/12 11:U0	11/08/12 19:45	1
Lead	**0.15**		0.00z0	0.00U0	mg/L		11/09/12 11:U0	11/08/12 19:45	1
Seleni7m	0.01z	h	0.01z	0.0089	mg/L		11/09/12 11:U0	11/08/12 19:45	1
Silver	0.00U0	h	0.00U0	0.0019	mg/L		11/09/12 11:U0	11/08/12 19:45	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	h	0.010	0.00z5	mg/L		11/0K/12 08:U0	11/0K/12 22:z9	1
Barium	**0.29**		0.0020	0.00090	mg/L		11/20/12 0K:10	11/20/12 1z:z9	1
Ca6mi7m	0.0010	h	0.0010	0.000z0	mg/L		11/0K/12 08:U0	11/0K/12 22:z9	1
Cdromi7m	0.0040	h	0.0040	0.0010	mg/L		11/0K/12 08:U0	11/0K/12 22:z9	1
Lea6	0.00z0	h	0.00z0	0.00U0	mg/L		11/0K/12 08:U0	11/0K/12 22:z9	1
Seleni7m	0.01z	h	0.01z	0.0089	mg/L		11/0K/12 08:U0	11/0K/12 22:z9	1
Silver	0.00U0	h	0.00U0	0.0019	mg/L		11/0K/12 08:U0	11/0K/12 22:z9	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Merc7ry	0.00020	h	0.00020	0.00012	mg/L		11/09/12 08:1U	11/09/12 14:15	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Merc7ry	0.00020	h	0.00020	0.00012	mg/L		11/08/12 10:40	11/08/12 14:20	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-29825-1

Client Sample ID: PH-6

Date Collected: 11/05/12 16:50
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Tricdloroetdane	1.0	h	1.0	0.82	7g/L			11/11/12 20:19	1
1,1,2,2-Tetracdloroetdane	1.0	h	1.0	0.21	7g/L			11/11/12 20:19	1
1,1,2-Tricdloroetdane	1.0	h	1.0	0.2U	7g/L			11/11/12 20:19	1
1,1,2-Tricdloro-1,2,2-triu7oroetdane	1.0	h	1.0	0.U1	7g/L			11/11/12 20:19	1
1,1-Dicdloroetdane	1.0	h	1.0	0.U8	7g/L			11/11/12 20:19	1
1,1-Dicdloroetdene	1.0	h	1.0	0.2K	7g/L			11/11/12 20:19	1
1,2,4-Tricdloroben3ene	1.0	h	1.0	0.41	7g/L			11/11/12 20:19	1
1,2-Dibromo-U-Cdlorof rof ane	1.0	h	1.0	0.UK	7g/L			11/11/12 20:19	1
1,2-Dibromoetdane	1.0	h	1.0	0.9U	7g/L			11/11/12 20:19	1
1,2-Dicdloroben3ene	1.0	h	1.0	0.9K	7g/L			11/11/12 20:19	1
1,2-Dicdloroetdane	1.0	h	1.0	0.21	7g/L			11/11/12 20:19	1
1,2-Dicdlorof rof ane	1.0	h	1.0	0.92	7g/L			11/11/12 20:19	1
1,U-Dicdloroben3ene	1.0	h	1.0	0.98	7g/L			11/11/12 20:19	1
1,4-Dicdloroben3ene	1.0	h	1.0	0.84	7g/L			11/11/12 20:19	1
2-p eHanone	z.0	h	z.0	1.2	7g/L			11/11/12 20:19	1
2-x 7tanone BM(E)	10	h	10	1.U	7g/L			11/11/12 20:19	1
4-Metdyl-2-f entanone BMIx E)	z.0	h	z.0	2.1	7g/L			11/11/12 20:19	1
Acetone	**7.0**	**J**	10	U.0	7g/L			11/11/12 20:19	1
x en3ene	1.0	h	1.0	0.41	7g/L			11/11/12 20:19	1
x romo6icdlorometdane	1.0	h	1.0	0.UK	7g/L			11/11/12 20:19	1
x romouorm	1.0	h	1.0	0.25	7g/L			11/11/12 20:19	1
x romometdane	1.0	h	1.0	0.5K	7g/L			11/11/12 20:19	1
Carbon disulfide	**0.35**	**J**	1.0	0.1K	7g/L			11/11/12 20:19	1
Carbon tetracdlori6e	1.0	h	1.0	0.29	7g/L			11/11/12 20:19	1
Cdloroben3ene	1.0	h	1.0	0.9z	7g/L			11/11/12 20:19	1
Dibromocdlorometdane	1.0	h	1.0	0.U2	7g/L			11/11/12 20:19	1
Cdloroetdane	1.0	h	1.0	0.U2	7g/L			11/11/12 20:19	1
Cdlorouorm	1.0	h	1.0	0.U4	7g/L			11/11/12 20:19	1
Cdlorometdane	1.0	h	1.0	0.Uz	7g/L			11/11/12 20:19	1
cis-1,2-Dicdloroetdene	1.0	h	1.0	0.81	7g/L			11/11/12 20:19	1
cis-1,U-Dicdlorof rof ene	1.0	h	1.0	0.U5	7g/L			11/11/12 20:19	1
CyclodeHane	1.0	h	1.0	0.18	7g/L			11/11/12 20:19	1
Dicdloro6iu7orometdane	1.0	h	1.0	0.58	7g/L			11/11/12 20:19	1
(tdylben3ene	1.0	h	1.0	0.94	7g/L			11/11/12 20:19	1
Isof rof ylben3ene	1.0	h	1.0	0.9K	7g/L			11/11/12 20:19	1
Metdyl acetate	1.0	h	1.0	0.z0	7g/L			11/11/12 20:19	1
Metdyl tert-b7tyl etder	1.0	h	1.0	0.15	7g/L			11/11/12 20:19	1
Methylcyclohexane	**0.64**	**J**	1.0	0.15	7g/L			11/11/12 20:19	1
Metdylene Cdlori6e	1.0	h	1.0	0.44	7g/L			11/11/12 20:19	1
Styrene	1.0	h	1.0	0.9U	7g/L			11/11/12 20:19	1
Tetracdloroetdene	1.0	h	1.0	0.U5	7g/L			11/11/12 20:19	1
Tol7ene	1.0	h	1.0	0.z1	7g/L			11/11/12 20:19	1
trans-1,2-Dicdloroetdene	1.0	h	1.0	0.K0	7g/L			11/11/12 20:19	1
trans-1,U-Dicdlorof rof ene	1.0	h	1.0	0.U9	7g/L			11/11/12 20:19	1
Tricdloroetdene	1.0	h	1.0	0.45	7g/L			11/11/12 20:19	1
Tricdlorou7orometdane	1.0	h	1.0	0.88	7g/L			11/11/12 20:19	1
Vinyl cdlori6e	1.0	h	1.0	0.K0	7g/L			11/11/12 20:19	1
Xylenes, Total	2.0	h	2.0	0.55	7g/L			11/11/12 20:19	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-29825-1

Client Sample ID: PH-6

Date Collected: 11/05/12 16:50
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-5

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*66 - 137*		*11/11/12 20:17*	*1*
Toluene-d8 (Surr)	*111*		*71 - 126*		*11/11/12 20:17*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*11/11/12 20:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
x if denyl	4.8	h	4.8	0.5U	7g/L		11/08/12 09:09	11/0K/12 19:01	1
bis B2-cdloroisof rof yl) etder	4.8	h	4.8	0.z0	7g/L		11/08/12 09:09	11/0K/12 19:01	1
2,4,z-Tricdlorof denol	4.8	h	4.8	0.45	7g/L		11/08/12 09:09	11/0K/12 19:01	1
2,4,5-Tricdlorof denol	4.8	h	4.8	0.zK	7g/L		11/08/12 09:09	11/0K/12 19:01	1
2,4-Dicdlorof denol	4.8	h	4.8	0.4K	7g/L		11/08/12 09:09	11/0K/12 19:01	1
2,4-Dimetdylf denol	4.8	h	4.8	0.48	7g/L		11/08/12 09:09	11/0K/12 19:01	1
2,4-Dinitrof denol	K.5	h	K.5	2.1	7g/L		11/08/12 09:09	11/0K/12 19:01	1
2,4-Dinitrotol7ene	4.8	h	4.8	0.4U	7g/L		11/08/12 09:09	11/0K/12 19:01	1
2,5-Dinitrotol7ene	4.8	h	4.8	0.U8	7g/L		11/08/12 09:09	11/0K/12 19:01	1
2-Cdloronaf dtdalene	4.8	h	4.8	0.44	7g/L		11/08/12 09:09	11/0K/12 19:01	1
2-Cdlorof denol	4.8	h	4.8	0.z1	7g/L		11/08/12 09:09	11/0K/12 19:01	1
2-Metdylnaf dtdalene	4.8	h	4.8	0.z8	7g/L		11/08/12 09:09	11/0K/12 19:01	1
2-Metdylf denol	4.8	h	4.8	0.U8	7g/L		11/08/12 09:09	11/0K/12 19:01	1
2-Nitroaniline	K.5	h	K.5	0.40	7g/L		11/08/12 09:09	11/0K/12 19:01	1
2-Nitrof denol	4.8	h	4.8	0.45	7g/L		11/08/12 09:09	11/0K/12 19:01	1
U,U-Dicdloroben3i6ine	4.8	h	4.8	0.U8	7g/L		11/08/12 09:09	11/0K/12 19:01	1
U-Nitroaniline	K.5	h	K.5	0.45	7g/L		11/08/12 09:09	11/0K/12 19:01	1
4,5-Dinitro-2-metdylf denol	K.5	h	K.5	2.1	7g/L		11/08/12 09:09	11/0K/12 19:01	1
4-x romof denyl f denyl etder	4.8	h	4.8	0.4U	7g/L		11/08/12 09:09	11/0K/12 19:01	1
4-Cdloro-U-metdylf denol	4.8	h	4.8	0.4U	7g/L		11/08/12 09:09	11/0K/12 19:01	1
4-Cdloroaniline	4.8	h	4.8	0.z9	7g/L		11/08/12 09:09	11/0K/12 19:01	1
4-Cdlorof denyl f denyl etder	4.8	h	4.8	0.U4	7g/L		11/08/12 09:09	11/0K/12 19:01	1
4-Metdylf denol	K.5	h	K.5	0.Uz	7g/L		11/08/12 09:09	11/0K/12 19:01	1
4-Nitroaniline	K.5	h	K.5	0.24	7g/L		11/08/12 09:09	11/0K/12 19:01	1
4-Nitrof denol	K.5	h	K.5	1.z	7g/L		11/08/12 09:09	11/0K/12 19:01	1
Acenaphthene	**0.66**	**J**	4.8	0.UK	7g/L		11/08/12 09:09	11/0K/12 19:01	1
Acenaf dtdylene	4.8	h	4.8	0.U9	7g/L		11/08/12 09:09	11/0K/12 19:01	1
Acetof denone	4.8	h	4.8	0.z2	7g/L		11/08/12 09:09	11/0K/12 19:01	1
Antdracene	4.8	h	4.8	0.29	7g/L		11/08/12 09:09	11/0K/12 19:01	1
Atra3ine	4.8	h	4.8	0.44	7g/L		11/08/12 09:09	11/0K/12 19:01	1
x en3al6edy6e	4.8	h	4.8	0.25	7g/L		11/08/12 09:09	11/0K/12 19:01	1
x en3oBa)antdracene	4.8	h	4.8	0.Uz	7g/L		11/08/12 09:09	11/0K/12 19:01	1
x en3oBa)f yrene	4.8	h	4.8	0.4z	7g/L		11/08/12 09:09	11/0K/12 19:01	1
x en3oBb)u7orantdene	4.8	h	4.8	0.UU	7g/L		11/08/12 09:09	11/0K/12 19:01	1
x en3oBg,d,i)f erylene	4.8	h	4.8	0.U4	7g/L		11/08/12 09:09	11/0K/12 19:01	1
x en3oBk)u7orantdene	4.8	h	4.8	0.90	7g/L		11/08/12 09:09	11/0K/12 19:01	1
x isB2-cdloroetdoHy)metdane	4.8	h	4.8	0.U4	7g/L		11/08/12 09:09	11/0K/12 19:01	1
x isB2-cdloroetdyl)etder	4.8	h	4.8	0.U8	7g/L		11/08/12 09:09	11/0K/12 19:01	1
x isB2-etdyldeHyl) f dtdalate	4.8	h	4.8	1.9	7g/L		11/08/12 09:09	11/0K/12 19:01	1
x 7tyl ben3yl f dtdalate	4.8	h	4.8	0.40	7g/L		11/08/12 09:09	11/0K/12 19:01	1
Caf rolactam	4.8	h	4.8	2.1	7g/L		11/08/12 09:09	11/0K/12 19:01	1
Carbazole	**0.71**	**J**	4.8	0.2K	7g/L		11/08/12 09:09	11/0K/12 19:01	1
Cdrysene	4.8	h	4.8	0.U2	7g/L		11/08/12 09:09	11/0K/12 19:01	1
Di-n-b7tyl f dtdalate	4.8	h	4.8	0.U0	7g/L		11/08/12 09:09	11/0K/12 19:01	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-29825-1

Client Sample ID: PH-6

Date Collected: 11/05/12 16:50
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl f dtdalate	4.8	h	4.8	0.4z	7g/L		11/08/12 09:09	11/0K/12 19:01	1
Diben3Ba,d)antdracene	4.8	h	4.8	0.40	7g/L		11/08/12 09:09	11/0K/12 19:01	1
Dibenzofuran	**0.51**	**J**	K.5	0.4K	7g/L		11/08/12 09:09	11/0K/12 19:01	1
Dietdyl f dtdalate	4.8	h	4.8	0.21	7g/L		11/08/12 09:09	11/0K/12 19:01	1
Dimetdyl f dtdalate	4.8	h	4.8	0.Uz	7g/L		11/08/12 09:09	11/0K/12 19:01	1
Fl7orantdene	4.8	h	4.8	0.U8	7g/L		11/08/12 09:09	11/0K/12 19:01	1
Fluorene	**0.60**	**J**	4.8	0.Uz	7g/L		11/08/12 09:09	11/0K/12 19:01	1
p eHacdloroben3ene	4.8	h	4.8	0.4K	7g/L		11/08/12 09:09	11/0K/12 19:01	1
p eHacdlorob7ta6iene	4.8	h	4.8	0.5z	7g/L		11/08/12 09:09	11/0K/12 19:01	1
p eHacdlorocyclof enta6iene	4.8	h	4.8	0.z9	7g/L		11/08/12 09:09	11/0K/12 19:01	1
p eHacdloroetdane	4.8	h	4.8	0.z9	7g/L		11/08/12 09:09	11/0K/12 19:01	1
In6enoBl,2,U-c6)f yrene	4.8	h	4.8	0.4z	7g/L		11/08/12 09:09	11/0K/12 19:01	1
Isof dorone	4.8	h	4.8	0.41	7g/L		11/08/12 09:09	11/0K/12 19:01	1
N-Nitroso6i-n-f rof ylamine	4.8	h	4.8	0.z2	7g/L		11/08/12 09:09	11/0K/12 19:01	1
N-Nitroso6if denylamine	4.8	h	4.8	0.4K	7g/L		11/08/12 09:09	11/0K/12 19:01	1
Naf dtdalene	4.8	h	4.8	0.9U	7g/L		11/08/12 09:09	11/0K/12 19:01	1
Nitroben3ene	4.8	h	4.8	0.28	7g/L		11/08/12 09:09	11/0K/12 19:01	1
Pentacdlorof denol	K.5	h	K.5	2.1	7g/L		11/08/12 09:09	11/0K/12 19:01	1
Pdenantdrene	4.8	h	4.8	0.42	7g/L		11/08/12 09:09	11/0K/12 19:01	1
Pdenol	4.8	h	4.8	0.U8	7g/L		11/08/12 09:09	11/0K/12 19:01	1
Pyrene	4.8	h	4.8	0.UU	7g/L		11/08/12 09:09	11/0K/12 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*121*		*52 - 132*	*11/08/12 07:07*	*11/09/12 17:01*	*1*
2-Fluorobiphenyl	*87*		*48 - 120*	*11/08/12 07:07*	*11/09/12 17:01*	*1*
2-Fluorophenol	*46*		*20 - 120*	*11/08/12 07:07*	*11/09/12 17:01*	*1*
Nitrobenzene-d5	*97*		*46 - 120*	*11/08/12 07:07*	*11/09/12 17:01*	*1*
p-Terphenyl-d14	*27*	*X*	*67 - 150*	*11/08/12 07:07*	*11/09/12 17:01*	*1*
Phenol-d5	*35*		*16 - 120*	*11/08/12 07:07*	*11/09/12 17:01*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.087**		0.010	0.00z5	mg/L		11/09/12 11:U0	11/08/12 19:48	1
Barium	**1.7**		0.0020	0.00090	mg/L		11/09/12 11:U0	11/08/12 19:48	1
Cadmium	**0.0019**		0.0010	0.000z0	mg/L		11/09/12 11:U0	11/0K/12 19:29	1
Chromium	**0.38**		0.0040	0.0010	mg/L		11/09/12 11:U0	11/08/12 19:48	1
Lead	**0.13**		0.00z0	0.00U0	mg/L		11/09/12 11:U0	11/08/12 19:48	1
Seleni7m	0.01z	h	0.01z	0.0089	mg/L		11/09/12 11:U0	11/08/12 19:48	1
Silver	0.00U0	h	0.00U0	0.0019	mg/L		11/09/12 11:U0	11/08/12 19:48	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	h	0.010	0.00z5	mg/L		11/0K/12 08:U0	11/0K/12 2U:00	1
Barium	**1.3**	**B7**	0.0020	0.00090	mg/L		11/0K/12 08:U0	11/0K/12 2U:00	1
Ca6mi7m	0.0010	h	0.0010	0.000z0	mg/L		11/0K/12 08:U0	11/0K/12 2U:00	1
Cdromi7m	0.0040	h	0.0040	0.0010	mg/L		11/0K/12 08:U0	11/0K/12 2U:00	1
Lea6	0.00z0	h	0.00z0	0.00U0	mg/L		11/0K/12 08:U0	11/0K/12 2U:00	1
Seleni7m	0.01z	h	0.01z	0.0089	mg/L		11/0K/12 08:U0	11/0K/12 2U:00	1
Silver	0.00U0	h	0.00U0	0.0019	mg/L		11/0K/12 08:U0	11/0K/12 2U:00	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-29825-1

Client Sample ID: PH-6

Lab Sample ID: 480-27826-5

Date Collected: 11/05/12 16:50
Matrix: Water
Date Received: 11/06/12 08:15

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Merc7ry	0.00020	h	0.00020	0.00012	mg/L		11/09/12 08:1U	11/09/12 14:18	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Merc7ry	0.00020	h	0.00020	0.00012	mg/L		11/08/12 10:40	11/08/12 14:22	1

Client Sample ID: PH-5

Lab Sample ID: 480-27956-10

Date Collected: 11/06/12 07:25
Matrix: Water
Date Received: 11/07/12 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Tricdloroetdane	1.0	h	1.0	0.82	7g/L			11/20/12 01:4K	1
1,1,2,2-Tetracdloroetdane	1.0	h	1.0	0.21	7g/L			11/20/12 01:4K	1
1,1,2-Tricdloroetdane	1.0	h	1.0	0.2U	7g/L			11/20/12 01:4K	1
1,1,2-Tricdloro-1,2,2-triu7oroetdane	1.0	h	1.0	0.U1	7g/L			11/20/12 01:4K	1
1,1-Dicdloroetdane	1.0	h	1.0	0.U8	7g/L			11/20/12 01:4K	1
1,1-Dicdloroetdene	1.0	h	1.0	0.2K	7g/L			11/20/12 01:4K	1
1,2,4-Tricdloroben3ene	1.0	h	1.0	0.41	7g/L			11/20/12 01:4K	1
1,2-Dibromo-U-Cdlorof rof ane	1.0	h	1.0	0.UK	7g/L			11/20/12 01:4K	1
1,2-Dibromoetdane	1.0	h	1.0	0.9U	7g/L			11/20/12 01:4K	1
1,2-Dicdloroben3ene	1.0	h	1.0	0.9K	7g/L			11/20/12 01:4K	1
1,2-Dicdloroetdane	1.0	h	1.0	0.21	7g/L			11/20/12 01:4K	1
1,2-Dicdlorof rof ane	1.0	h	1.0	0.92	7g/L			11/20/12 01:4K	1
1,U-Dicdloroben3ene	1.0	h	1.0	0.98	7g/L			11/20/12 01:4K	1
1,4-Dicdloroben3ene	1.0	h	1.0	0.84	7g/L			11/20/12 01:4K	1
2-p eHanone	z.0	h	z.0	1.2	7g/L			11/20/12 01:4K	1
2-Butanone (MEK)	**2.0**	**J**	10	1.U	7g/L			11/20/12 01:4K	1
4-Metdyl-2-f entanone BMIx E)	z.0	h	z.0	2.1	7g/L			11/20/12 01:4K	1
Acetone	**11**		10	U.0	7g/L			11/20/12 01:4K	1
x en3ene	1.0	h	1.0	0.41	7g/L			11/20/12 01:4K	1
x romo6icdlorometdane	1.0	h	1.0	0.UK	7g/L			11/20/12 01:4K	1
x romouorm	1.0	h	1.0	0.25	7g/L			11/20/12 01:4K	1
x romometdane	1.0	h	1.0	0.5K	7g/L			11/20/12 01:4K	1
Carbon 6is7lu6e	1.0	h	1.0	0.1K	7g/L			11/20/12 01:4K	1
Carbon tetracdlori6e	1.0	h	1.0	0.29	7g/L			11/20/12 01:4K	1
Cdloroben3ene	1.0	h	1.0	0.9z	7g/L			11/20/12 01:4K	1
Dibromocdlorometdane	1.0	h	1.0	0.U2	7g/L			11/20/12 01:4K	1
Cdloroetdane	1.0	h	1.0	0.U2	7g/L			11/20/12 01:4K	1
Cdlorouorm	1.0	h	1.0	0.U4	7g/L			11/20/12 01:4K	1
Cdlorometdane	1.0	h	1.0	0.Uz	7g/L			11/20/12 01:4K	1
cis-1,2-Dicdloroetdene	1.0	h	1.0	0.81	7g/L			11/20/12 01:4K	1
cis-1,U-Dicdlorof rof ene	1.0	h	1.0	0.U5	7g/L			11/20/12 01:4K	1
CyclodeHane	1.0	h	1.0	0.18	7g/L			11/20/12 01:4K	1
Dicdloro6iu7orometdane	1.0	h	1.0	0.58	7g/L			11/20/12 01:4K	1
(tdylben3ene	1.0	h	1.0	0.94	7g/L			11/20/12 01:4K	1
Isof rof ylben3ene	1.0	h	1.0	0.9K	7g/L			11/20/12 01:4K	1
Metdyl acetate	1.0	h	1.0	0.z0	7g/L			11/20/12 01:4K	1
Metdyl tert-b7tyl etder	1.0	h	1.0	0.15	7g/L			11/20/12 01:4K	1
MetdylcyclodeHane	1.0	h	1.0	0.15	7g/L			11/20/12 01:4K	1

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-29825-1

Client Sample ID: PH-5

Date Collected: 11/06/12 07:25
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Metdylene Cdlori6e	1.0	h	1.0	0.44	7g/L			11/20/12 01:4K	1
Styrene	1.0	h	1.0	0.9U	7g/L			11/20/12 01:4K	1
Tetrachloroethene	**0.43**	**J**	1.0	0.U5	7g/L			11/20/12 01:4K	1
Toluene	**0.72**	**J**	1.0	0.z1	7g/L			11/20/12 01:4K	1
trans-1,2-Dicdloroetdene	1.0	h	1.0	0.K0	7g/L			11/20/12 01:4K	1
trans-1,U-Dicdlorof rof ene	1.0	h	1.0	0.U9	7g/L			11/20/12 01:4K	1
Tricdloroetdene	1.0	h	1.0	0.45	7g/L			11/20/12 01:4K	1
Tricdlorou7orometdane	1.0	h	1.0	0.88	7g/L			11/20/12 01:4K	1
Vinyl cdlori6e	1.0	h	1.0	0.K0	7g/L			11/20/12 01:4K	1
Xylenes, Total	2.0	h	2.0	0.55	7g/L			11/20/12 01:4K	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*66 - 137*		*11/20/12 01:49*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*11/20/12 01:49*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*11/20/12 01:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
x if denyl	4.8	h	4.8	0.52	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
bis B2-cdloroisof rof yl) etder	4.8	h	4.8	0.z0	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
2,4,z-Tricdlorof denol	4.8	h	4.8	0.45	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
2,4,5-Tricdlorof denol	4.8	h	4.8	0.z8	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
2,4-Dicdlorof denol	4.8	h	4.8	0.4K	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
2,4-Dimetdylf denol	4.8	h	4.8	0.48	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
2,4-Dinitrof denol	K.z	h	K.z	2.1	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
2,4-Dinitrotol7ene	4.8	h	4.8	0.4U	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
2,5-Dinitrotol7ene	4.8	h	4.8	0.U8	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
2-Cdloronaf dtdalene	4.8	h	4.8	0.44	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
2-Cdlorof denol	4.8	h	4.8	0.z0	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
2-Metdylnaf dtdalene	4.8	h	4.8	0.z9	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
2-Metdylf denol	4.8	h	4.8	0.U8	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
2-Nitroaniline	K.z	h	K.z	0.40	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
2-Nitrof denol	4.8	h	4.8	0.45	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
U,U-Dicdloroben3i6ine	4.8	h	4.8	0.U8	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
U-Nitroaniline	K.z	h	K.z	0.45	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
4,5-Dinitro-2-metdylf denol	K.z	h	K.z	2.1	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
4-x romof denyl f denyl etder	4.8	h	4.8	0.4U	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
4-Cdloro-U-metdylf denol	4.8	h	4.8	0.4U	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
4-Cdloroaniline	4.8	h	4.8	0.z5	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
4-Cdlorof denyl f denyl etder	4.8	h	4.8	0.UU	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
4-Metdylf denol	K.z	h	K.z	0.U4	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
4-Nitroaniline	K.z	h	K.z	0.24	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
4-Nitrof denol	K.z	h	K.z	1.4	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
Acenaphthene	**0.60**	**J**	4.8	0.UK	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
Acenaf dtdylene	4.8	h	4.8	0.U5	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
Acetof denone	4.8	h	4.8	0.z1	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
Antdracene	4.8	h	4.8	0.29	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
Atra3ine	4.8	h	4.8	0.44	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
x en3al6edy6e	4.8	h	4.8	0.2z	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
x en3oBa)antdracene	4.8	h	4.8	0.U4	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-29825-1

Client Sample ID: PH-5

Date Collected: 11/06/12 07:25
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
x en3oBa)f yrene	4.8	h	4.8	0.4z	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
x en3oBb)u7orantdene	4.8	h	4.8	0.U2	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
x en3oBg,d,i)f erylene	4.8	h	4.8	0.UU	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
x en3oBk)u7orantdene	4.8	h	4.8	0.90	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
x isB2-cdloroetdoHy)metdane	4.8	h	4.8	0.UU	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
x isB2-cdloroetdyl)etder	4.8	h	4.8	0.U8	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
x isB2-etdyldeHyl) f dtdalate	4.8	h	4.8	1.9	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
x 7tyl ben3yl f dtdalate	4.8	h	4.8	0.40	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
Caf rolactam	4.8	h	4.8	2.1	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
Carba3ole	4.8	h	4.8	0.2K	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
Cdrysene	4.8	h	4.8	0.U1	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
Di-n-b7tyl f dtdalate	4.8	h	4.8	0.U0	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
Di-n-octyl f dtdalate	4.8	h	4.8	0.4z	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
Diben3Ba,d)antdracene	4.8	h	4.8	0.40	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
Diben3ou7ran	K.z	h	K.z	0.4K	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
Dietdyl f dtdalate	4.8	h	4.8	0.21	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
Dimetdyl f dtdalate	4.8	h	4.8	0.U4	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
Fl7orantdene	4.8	h	4.8	0.U8	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
Fl7orene	4.8	h	4.8	0.U4	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
p eHacdloroben3ene	4.8	h	4.8	0.4K	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
p eHacdlorob7ta6iene	4.8	h	4.8	0.5z	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
p eHacdlorocyclof enta6iene	4.8	h	4.8	0.z5	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
p eHacdloroetdane	4.8	h	4.8	0.z5	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
In6enoBl,2,U-c6)f yrene	4.8	h	4.8	0.4z	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
Isof dorone	4.8	h	4.8	0.41	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
N-Nitroso6i-n-f rof ylamine	4.8	h	4.8	0.z1	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
N-Nitroso6if denylamine	4.8	h	4.8	0.4K	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
Naf dtdalene	4.8	h	4.8	0.92	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
Nitroben3ene	4.8	h	4.8	0.28	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
Pentacdlorof denol	K.z	h	K.z	2.1	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
Pdenantdrene	4.8	h	4.8	0.42	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
Pdenol	4.8	h	4.8	0.U9	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1
Pyrene	4.8	h	4.8	0.U2	7g/L		11/0K/12 1z:0K	11/14/12 21:4U	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*122*		*52 - 132*	*11/09/12 15:09*	*11/14/12 21:43*	*1*
2-Fluorobiphenyl	*90*		*48 - 120*	*11/09/12 15:09*	*11/14/12 21:43*	*1*
2-Fluorophenol	*48*		*20 - 120*	*11/09/12 15:09*	*11/14/12 21:43*	*1*
Nitrobenzene-d5	*100*		*46 - 120*	*11/09/12 15:09*	*11/14/12 21:43*	*1*
p-Terphenyl-d14	*36*	*X*	*67 - 150*	*11/09/12 15:09*	*11/14/12 21:43*	*1*
Phenol-d5	*35*		*16 - 120*	*11/09/12 15:09*	*11/14/12 21:43*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.084**		0.010	0.00z5	mg/L		11/08/12 14:z0	11/0K/12 21:24	1
Barium	**12.2**		0.010	0.00Uz	mg/L		11/08/12 14:z0	11/12/12 19:U5	z
Cadmium	**0.0016**		0.0010	0.000z0	mg/L		11/08/12 14:z0	11/12/12 19:UU	1
Chromium	**0.24**		0.0040	0.0010	mg/L		11/08/12 14:z0	11/0K/12 21:24	1
Lead	**0.10**		0.00z0	0.00U0	mg/L		11/08/12 14:z0	11/0K/12 21:24	1
Seleni7m	0.01z	h	0.01z	0.0089	mg/L		11/08/12 14:z0	11/0K/12 21:24	1

Client Sample ID: PH-5

Lab Sample ID: 480-27956-10

Date Collected: 11/06/12 07:25

Matrix: Water

Date Received: 11/07/12 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.00U0	h	0.00U0	0.0019	mg/L		11/08/12 14:z0	11/0K/12 21:24	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	h	0.010	0.00z5	mg/L		11/1U/1U 09:z0	11/1U/12 20:49	1
Barium	**5.8**		0.0020	0.00090	mg/L		11/1U/1U 09:z0	11/1U/12 20:49	1
Ca6mi7m	0.0010	h	0.0010	0.000z0	mg/L		11/1U/1U 09:z0	11/1U/12 20:49	1
Chromium	**0.0057**		0.0040	0.0010	mg/L		11/1U/1U 09:z0	11/1U/12 20:49	1
Lea6	0.00z0	h	0.00z0	0.00U0	mg/L		11/1U/1U 09:z0	11/1U/12 20:49	1
Seleni7m	0.01z	h	0.01z	0.0089	mg/L		11/1U/1U 09:z0	11/1U/12 20:49	1
Silver	0.00U0	h	0.00U0	0.0019	mg/L		11/1U/1U 09:z0	11/1U/12 20:49	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00012**	**J**	0.00020	0.00012	mg/L		11/08/12 0K:zz	11/08/12 12:4U	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Merc7ry	0.00020	h	0.00020	0.00012	mg/L		11/1U/12 0K:20	11/1U/12 1z:UK	1

Client Sample ID: PH-7

Lab Sample ID: 480-27956-11

Date Collected: 11/06/12 12:25

Matrix: Water

Date Received: 11/07/12 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Tricdloroetdane	1.0	h	1.0	0.82	7g/L			11/20/12 02:19	1
1,1,2,2-Tetracdloroetdane	1.0	h	1.0	0.21	7g/L			11/20/12 02:19	1
1,1,2-Tricdloroetdane	1.0	h	1.0	0.2U	7g/L			11/20/12 02:19	1
1,1,2-Tricdloro-1,2,2-triu7oroetdane	1.0	h	1.0	0.U1	7g/L			11/20/12 02:19	1
1,1-Dicdloroetdane	1.0	h	1.0	0.U8	7g/L			11/20/12 02:19	1
1,1-Dicdloroetdene	1.0	h	1.0	0.2K	7g/L			11/20/12 02:19	1
1,2,4-Tricdloroben3ene	1.0	h	1.0	0.41	7g/L			11/20/12 02:19	1
1,2-Dibromo-U-Cdlorof rof ane	1.0	h	1.0	0.UK	7g/L			11/20/12 02:19	1
1,2-Dibromoetdane	1.0	h	1.0	0.9U	7g/L			11/20/12 02:19	1
1,2-Dicdloroben3ene	1.0	h	1.0	0.9K	7g/L			11/20/12 02:19	1
1,2-Dicdloroetdane	1.0	h	1.0	0.21	7g/L			11/20/12 02:19	1
1,2-Dicdlorof rof ane	1.0	h	1.0	0.92	7g/L			11/20/12 02:19	1
1,U-Dicdloroben3ene	1.0	h	1.0	0.98	7g/L			11/20/12 02:19	1
1,4-Dicdloroben3ene	1.0	h	1.0	0.84	7g/L			11/20/12 02:19	1
2-p eH-anone	z.0	h	z.0	1.2	7g/L			11/20/12 02:19	1
2-x 7tanone BM(E)	10	h	10	1.U	7g/L			11/20/12 02:19	1
4-Metdyl-2-f entanone BMIx E)	z.0	h	z.0	2.1	7g/L			11/20/12 02:19	1
Acetone	10	h	10	U.0	7g/L			11/20/12 02:19	1
x en3ene	1.0	h	1.0	0.41	7g/L			11/20/12 02:19	1
x romo6icdlorometdane	1.0	h	1.0	0.UK	7g/L			11/20/12 02:19	1
x romouorm	1.0	h	1.0	0.25	7g/L			11/20/12 02:19	1
x romometdane	1.0	h	1.0	0.5K	7g/L			11/20/12 02:19	1
Carbon 6is7lu6e	1.0	h	1.0	0.1K	7g/L			11/20/12 02:19	1
Carbon tetracdlori6e	1.0	h	1.0	0.29	7g/L			11/20/12 02:19	1

Client Sample ID: PH-7

Date Collected: 11/06/12 12:25
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cdloroben3ene	1.0	h	1.0	0.9z	7g/L			11/20/12 02:19	1
Dibromocdlorometdane	1.0	h	1.0	0.U2	7g/L			11/20/12 02:19	1
Cdloroetdane	1.0	h	1.0	0.U2	7g/L			11/20/12 02:19	1
Cdlorouorm	1.0	h	1.0	0.U4	7g/L			11/20/12 02:19	1
Cdlorometdane	1.0	h	1.0	0.Uz	7g/L			11/20/12 02:19	1
cis-1,2-Dicdloroetdene	1.0	h	1.0	0.81	7g/L			11/20/12 02:19	1
cis-1,U-Dicdlorof rof ene	1.0	h	1.0	0.U5	7g/L			11/20/12 02:19	1
CyclodeHane	1.0	h	1.0	0.18	7g/L			11/20/12 02:19	1
Dicdloro6iu7orometdane	1.0	h	1.0	0.58	7g/L			11/20/12 02:19	1
(tdylben3ene	1.0	h	1.0	0.94	7g/L			11/20/12 02:19	1
Isof rof ylben3ene	1.0	h	1.0	0.9K	7g/L			11/20/12 02:19	1
Metdyl acetate	1.0	h	1.0	0.z0	7g/L			11/20/12 02:19	1
Metdyl tert-b7tyl etder	1.0	h	1.0	0.15	7g/L			11/20/12 02:19	1
Methylcyclohexane	**0.26**	**J**	1.0	0.15	7g/L			11/20/12 02:19	1
Metdylene Cdlori6e	1.0	h	1.0	0.44	7g/L			11/20/12 02:19	1
Styrene	1.0	h	1.0	0.9U	7g/L			11/20/12 02:19	1
Tetracdloroetdene	1.0	h	1.0	0.U5	7g/L			11/20/12 02:19	1
Tol7ene	1.0	h	1.0	0.z1	7g/L			11/20/12 02:19	1
trans-1,2-Dicdloroetdene	1.0	h	1.0	0.K0	7g/L			11/20/12 02:19	1
trans-1,U-Dicdlorof rof ene	1.0	h	1.0	0.U9	7g/L			11/20/12 02:19	1
Tricdloroetdene	1.0	h	1.0	0.45	7g/L			11/20/12 02:19	1
Tricdlorou7orometdane	1.0	h	1.0	0.88	7g/L			11/20/12 02:19	1
Vinyl cdlori6e	1.0	h	1.0	0.K0	7g/L			11/20/12 02:19	1
Xylenes, Total	2.0	h	2.0	0.55	7g/L			11/20/12 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*66 - 137*		*11/20/12 02:17*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*11/20/12 02:17*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*11/20/12 02:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
x if denyl	4.9	h	4.9	0.52	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
bis B2-cdloroisof rof yl) etder	4.9	h	4.9	0.4K	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
2,4,z-Tricdlorof denol	4.9	h	4.9	0.4z	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
2,4,5-Tricdlorof denol	4.9	h	4.9	0.z8	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
2,4-Dicdlorof denol	4.9	h	4.9	0.48	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
2,4-Dimetdylf denol	4.9	h	4.9	0.49	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
2,4-Dinitrof denol	K.z	h	K.z	2.1	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
2,4-Dinitrotol7ene	4.9	h	4.9	0.42	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
2,5-Dinitrotol7ene	4.9	h	4.9	0.U8	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
2-Cdloronaf dtdalene	4.9	h	4.9	0.44	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
2-Cdlorof denol	4.9	h	4.9	0.z0	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
2-Metdylnaf dtdalene	4.9	h	4.9	0.z9	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
2-Metdylf denol	4.9	h	4.9	0.U8	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
2-Nitroaniline	K.z	h	K.z	0.40	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
2-Nitrof denol	4.9	h	4.9	0.4z	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
U,U-Dicdloroben3i6ine	4.9	h	4.9	0.U8	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
U-Nitroaniline	K.z	h	K.z	0.4z	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
4,5-Dinitro-2-metdylf denol	K.z	h	K.z	2.1	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-29825-1

Client Sample ID: PH-7

Date Collected: 11/06/12 12:25
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-x romof denyl f denyl etder	4.9	h	4.9	0.4U	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
4-Cdloro-U-metdylf denol	4.9	h	4.9	0.4U	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
4-Cdloroaniline	4.9	h	4.9	0.z5	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
4-Cdlorof denyl f denyl etder	4.9	h	4.9	0.UU	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
4-Metdylf denol	K.z	h	K.z	0.U4	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
4-Nitroaniline	K.z	h	K.z	0.24	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
4-Nitrof denol	K.z	h	K.z	1.4	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
Acenaf dtdene	4.9	h	4.9	0.UK	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
Acenaf dtdylene	4.9	h	4.9	0.U5	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
Acetof denone	4.9	h	4.9	0.z1	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
Antdracene	4.9	h	4.9	0.29	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
Atra3ine	4.9	h	4.9	0.44	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
x en3al6edy6e	4.9	h	4.9	0.2z	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
x en3oBa)antdracene	4.9	h	4.9	0.U4	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
x en3oBa)f yrene	4.9	h	4.9	0.4z	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
x en3oBb)u7orantdene	4.9	h	4.9	0.U2	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
x en3oBg,d,i)f erylene	4.9	h	4.9	0.UU	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
x en3oBk)u7orantdene	4.9	h	4.9	0.5K	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
x isB2-cdloroetdoHy)metdane	4.9	h	4.9	0.UU	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
x isB2-cdloroetdyl)etder	4.9	h	4.9	0.U8	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
x isB2-etdyldeHyl) f dtdalate	4.9	h	4.9	1.9	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
x 7tyl ben3yl f dtdalate	4.9	h	4.9	0.40	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
Caf rolactam	4.9	h	4.9	2.1	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
Carba3ole	4.9	h	4.9	0.28	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
Cdrysene	4.9	h	4.9	0.U1	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
Di-n-b7tyl f dtdalate	4.9	h	4.9	0.2K	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
Di-n-octyl f dtdalate	4.9	h	4.9	0.4z	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
Diben3Ba,d)antdracene	4.9	h	4.9	0.40	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
Diben3ou7ran	K.z	h	K.z	0.48	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
Dietdyl f dtdalate	4.9	h	4.9	0.21	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
Dimetdyl f dtdalate	4.9	h	4.9	0.U4	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
Fl7orantdene	4.9	h	4.9	0.U8	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
Fl7orene	4.9	h	4.9	0.U4	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
p eHacdloroben3ene	4.9	h	4.9	0.48	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
p eHacdlorob7ta6iene	4.9	h	4.9	0.54	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
p eHacdlorocyclof enta6iene	4.9	h	4.9	0.z5	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
p eHacdloroetdane	4.9	h	4.9	0.z5	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
In6enoB1,2,U-c6)f yrene	4.9	h	4.9	0.4z	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
Isof dorone	4.9	h	4.9	0.41	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
N-Nitroso6i-n-f rof ylamine	4.9	h	4.9	0.z1	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
N-Nitroso6if denylamine	4.9	h	4.9	0.48	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
Naf dtdalene	4.9	h	4.9	0.92	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
Nitroben3ene	4.9	h	4.9	0.29	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
Pentacdlorof denol	K.z	h	K.z	2.1	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
Pdenantdrene	4.9	h	4.9	0.42	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
Pdenol	4.9	h	4.9	0.U9	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1
Pyrene	4.9	h	4.9	0.U2	7g/L		11/0K/12 1z:0K	11/14/12 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*126*		*52 - 132*	*11/09/12 15:09*	*11/14/12 22:06*	*1*

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-29825-1

Client Sample ID: PH-7

Date Collected: 11/06/12 12:25
Date Received: 11/07/12 09:00

Lab Sample ID: 480-27956-11

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*98*		*48 - 120*	*11/09/12 15:09*	*11/14/12 22:06*	*1*
2-Fluorophenol	*54*		*20 - 120*	*11/09/12 15:09*	*11/14/12 22:06*	*1*
Nitrobenzene-d5	*106*		*46 - 120*	*11/09/12 15:09*	*11/14/12 22:06*	*1*
p-Terphenyl-d14	*54*	*X*	*67 - 150*	*11/09/12 15:09*	*11/14/12 22:06*	*1*
Phenol-d5	*39*		*16 - 120*	*11/09/12 15:09*	*11/14/12 22:06*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.010**		0.010	0.00z5	mg/L		11/08/12 14:z0	11/0K/12 21:25	1
Barium	**0.53**		0.0020	0.00090	mg/L		11/08/12 14:z0	11/0K/12 21:25	1
Ca6mi7m	0.0010	h	0.0010	0.000z0	mg/L		11/08/12 14:z0	11/0K/12 21:25	1
Chromium	**0.0049**		0.0040	0.0010	mg/L		11/08/12 14:z0	11/0K/12 21:25	1
Lea6	0.00z0	h	0.00z0	0.00U0	mg/L		11/08/12 14:z0	11/0K/12 21:25	1
Seleni7m	0.01z	h	0.01z	0.0089	mg/L		11/08/12 14:z0	11/0K/12 21:25	1
Silver	0.00U0	h	0.00U0	0.0019	mg/L		11/08/12 14:z0	11/0K/12 21:25	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	h	0.010	0.00z5	mg/L		11/1U/1U 09:z0	11/1U/12 20:z0	1
Barium	**0.20**		0.0020	0.00090	mg/L		11/1U/1U 09:z0	11/1U/12 20:z0	1
Ca6mi7m	0.0010	h	0.0010	0.000z0	mg/L		11/1U/1U 09:z0	11/1U/12 20:z0	1
Cdromi7m	0.0040	h	0.0040	0.0010	mg/L		11/1U/1U 09:z0	11/1U/12 20:z0	1
Lea6	0.00z0	h	0.00z0	0.00U0	mg/L		11/1U/1U 09:z0	11/1U/12 20:z0	1
Seleni7m	0.01z	h	0.01z	0.0089	mg/L		11/1U/1U 09:z0	11/1U/12 20:z0	1
Silver	0.00U0	h	0.00U0	0.0019	mg/L		11/1U/1U 09:z0	11/1U/12 20:z0	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Merc7ry	0.00020	h	0.00020	0.00012	mg/L		11/08/12 0K:zz	11/08/12 12:4z	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Merc7ry	0.00020	h	0.00020	0.00012	mg/L		11/1U/12 0K:20	11/1U/12 1z:4z	1

Surrogate Summary

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-27826-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	TOL	BFB
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)
480-27826-1	PH-1	112	110	96
480-27826-2	PH-2	115	110	97
480-27826-3	PH-3	106	106	93
480-27826-4	PH-4	111	108	96
480-27826-5	PH-6	111	111	98
480-27956-10	PH-5	90	101	88
480-27956-11	PH-7	87	100	87
LCS 480-90225/4	Lab Control Sample	105	113	104
LCS 480-91863/3	Lab Control Sample	94	99	93
MB 480-90225/5	Method Blank	109	108	99
MB 480-91863/5	Method Blank	95	100	92

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPH	PHL
Lab Sample ID	Client Sample ID	(52-132)	(48-120)	(20-120)	(46-120)	(67-150)	(16-120)
480-27826-1	PH-1	32 X	25 X	23	57	11 X	18
480-27826-2	PH-2	77	57	28	75	23 X	21
480-27826-3	PH-3	42 X	48	3 X	53	35 X	2 X
480-27826-4	PH-4	119	89	49	100	35 X	35
480-27826-5	PH-6	121	87	46	97	27 X	35
480-27956-10	PH-5	122	90	48	100	36 X	35
480-27956-11	PH-7	126	98	54	106	54 X	39
LCS 480-89611/2-A	Lab Control Sample	103	87	45	94	94	36
LCS 480-89993/2-A	Lab Control Sample	113	91	53	96	99	41
MB 480-89611/1-A	Method Blank	116	82	42	81	98	32
MB 480-89993/1-A	Method Blank	112	89	51	96	97	38

Surrogate Legend

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

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

Lab Sample ID: MB 480-90225/5
Matrix: Water
Analysis Batch: 90225

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-Tricdloroetdane	1.0	h	1.0	0.82	7g/L			11/11/12 14:19	1
1,1,2,2-Tetracdloroetdane	1.0	h	1.0	0.21	7g/L			11/11/12 14:19	1
1,1,2-Tricdloroetdane	1.0	h	1.0	0.2U	7g/L			11/11/12 14:19	1
1,1,2-Tricdloro-1,2,2-triu7oroetdane	1.0	h	1.0	0.U1	7g/L			11/11/12 14:19	1
1,1-Dicdloroetdane	1.0	h	1.0	0.U8	7g/L			11/11/12 14:19	1
1,1-Dicdloroetdene	1.0	h	1.0	0.2K	7g/L			11/11/12 14:19	1
1,2,4-Tricdloroben3ene	1.0	h	1.0	0.41	7g/L			11/11/12 14:19	1
1,2-Dibromo-U-Cdlorof rof ane	1.0	h	1.0	0.UK	7g/L			11/11/12 14:19	1
1,2-Dibromoetdane	1.0	h	1.0	0.9U	7g/L			11/11/12 14:19	1
1,2-Dicdloroben3ene	1.0	h	1.0	0.9K	7g/L			11/11/12 14:19	1
1,2-Dicdloroetdane	1.0	h	1.0	0.21	7g/L			11/11/12 14:19	1
1,2-Dicdlorof rof ane	1.0	h	1.0	0.92	7g/L			11/11/12 14:19	1
1,U-Dicdloroben3ene	1.0	h	1.0	0.98	7g/L			11/11/12 14:19	1
1,4-Dicdloroben3ene	1.0	h	1.0	0.84	7g/L			11/11/12 14:19	1
2-p eH-anone	z.0	h	z.0	1.2	7g/L			11/11/12 14:19	1
2-x 7tanone BM(E)	10	h	10	1.U	7g/L			11/11/12 14:19	1
4-Metdyl-2-f entanone BMIx E)	z.0	h	z.0	2.1	7g/L			11/11/12 14:19	1
Acetone	10	h	10	U.0	7g/L			11/11/12 14:19	1
x en3ene	1.0	h	1.0	0.41	7g/L			11/11/12 14:19	1
x romo6icdlorometdane	1.0	h	1.0	0.UK	7g/L			11/11/12 14:19	1
x romou orm	1.0	h	1.0	0.25	7g/L			11/11/12 14:19	1
x romometdane	1.0	h	1.0	0.5K	7g/L			11/11/12 14:19	1
Carbon 6is7lu6e	1.0	h	1.0	0.1K	7g/L			11/11/12 14:19	1
Carbon tetracdlori6e	1.0	h	1.0	0.29	7g/L			11/11/12 14:19	1
Cdloroben3ene	1.0	h	1.0	0.9z	7g/L			11/11/12 14:19	1
Dibromocdlorometdane	1.0	h	1.0	0.U2	7g/L			11/11/12 14:19	1
Cdloroetdane	1.0	h	1.0	0.U2	7g/L			11/11/12 14:19	1
Cdlorou orm	1.0	h	1.0	0.U4	7g/L			11/11/12 14:19	1
Cdlorometdane	1.0	h	1.0	0.Uz	7g/L			11/11/12 14:19	1
cis-1,2-Dicdloroetdene	1.0	h	1.0	0.81	7g/L			11/11/12 14:19	1
cis-1,U-Dicdlorof rof ene	1.0	h	1.0	0.U5	7g/L			11/11/12 14:19	1
CyclodeH-ane	1.0	h	1.0	0.18	7g/L			11/11/12 14:19	1
Dicdloro6iu7orometdane	1.0	h	1.0	0.58	7g/L			11/11/12 14:19	1
(tdylben3ene	1.0	h	1.0	0.94	7g/L			11/11/12 14:19	1
Isof rof ylben3ene	1.0	h	1.0	0.9K	7g/L			11/11/12 14:19	1
Metdyl acetate	1.0	h	1.0	0.z0	7g/L			11/11/12 14:19	1
Metdyl tert-b7tyl etder	1.0	h	1.0	0.15	7g/L			11/11/12 14:19	1
MetdylcyclodeH-ane	1.0	h	1.0	0.15	7g/L			11/11/12 14:19	1
Metdylene Cdlori6e	1.0	h	1.0	0.44	7g/L			11/11/12 14:19	1
Styrene	1.0	h	1.0	0.9U	7g/L			11/11/12 14:19	1
Tetracdloroetdene	1.0	h	1.0	0.U5	7g/L			11/11/12 14:19	1
Tol7ene	1.0	h	1.0	0.z1	7g/L			11/11/12 14:19	1
trans-1,2-Dicdloroetdene	1.0	h	1.0	0.K0	7g/L			11/11/12 14:19	1
trans-1,U-Dicdlorof rof ene	1.0	h	1.0	0.U9	7g/L			11/11/12 14:19	1
Tricdloroetdene	1.0	h	1.0	0.45	7g/L			11/11/12 14:19	1
Tricdlorou7orometdane	1.0	h	1.0	0.88	7g/L			11/11/12 14:19	1
Vinyl cdlori6e	1.0	h	1.0	0.K0	7g/L			11/11/12 14:19	1
Xylenes, Total	2.0	h	2.0	0.55	7g/L			11/11/12 14:19	1

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

Lab Sample ID: MB 480-90225/5
Matrix: Water
Analysis Batch: 90225

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		66 - 137		11/11/12 14:17	1
Toluene-d8 (Surr)	108		71 - 126		11/11/12 14:17	1
4-Bromofluorobenzene (Surr)	99		73 - 120		11/11/12 14:17	1

Lab Sample ID: LCS 480-90225/4
Matrix: Water
Analysis Batch: 90225

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dicdloroetdane	2z.0	2U.8		7g/L		Kz	91 - 12K
1,1-Dicdloroetdene	2z.0	1K.9		7g/L		9K	z8 - 121
1,2-Dicdloroben3ene	2z.0	25.z		7g/L		105	80 - 124
1,2-Dicdloroetdane	2z.0	2z.z		7g/L		102	9z - 129
x en3ene	2z.0	2z.U		7g/L		101	91 - 124
Cdloroben3ene	2z.0	28.4		7g/L		114	92 - 120
cis-1,2-Dicdloroetdene	2z.0	2z.z		7g/L		102	94 - 124
(tdylben3ene	2z.0	29.K		7g/L		112	99 - 12U
Metdyl tert-b7tyl etder	2z.0	22.U		7g/L		8K	54 - 129
Tetracdloroetdene	2z.0	28.8		7g/L		11z	94 - 122
Tol7ene	2z.0	29.9		7g/L		111	80 - 122
trans-1,2-Dicdloroetdene	2z.0	2U.K		7g/L		K5	9U - 129
Tricdloroetdene	2z.0	24.5		7g/L		KK	94 - 12U

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		66 - 137
Toluene-d8 (Surr)	113		71 - 126
4-Bromofluorobenzene (Surr)	104		73 - 120

Lab Sample ID: MB 480-91863/5
Matrix: Water
Analysis Batch: 91863

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-Tricdloroetdane	1.0	h	1.0	0.82	7g/L			11/1K/12 22:U5	1
1,1,2,2-Tetracdloroetdane	1.0	h	1.0	0.21	7g/L			11/1K/12 22:U5	1
1,1,2-Tricdloroetdane	1.0	h	1.0	0.2U	7g/L			11/1K/12 22:U5	1
1,1,2-Tricdloro-1,2,2-triu7oroetdane	1.0	h	1.0	0.U1	7g/L			11/1K/12 22:U5	1
1,1-Dicdloroetdane	1.0	h	1.0	0.U8	7g/L			11/1K/12 22:U5	1
1,1-Dicdloroetdene	1.0	h	1.0	0.2K	7g/L			11/1K/12 22:U5	1
1,2,4-Tricdloroben3ene	1.0	h	1.0	0.41	7g/L			11/1K/12 22:U5	1
1,2-Dibromo-U-Cdlorof rof ane	1.0	h	1.0	0.UK	7g/L			11/1K/12 22:U5	1
1,2-Dibromoetdane	1.0	h	1.0	0.9U	7g/L			11/1K/12 22:U5	1
1,2-Dicdloroben3ene	1.0	h	1.0	0.9K	7g/L			11/1K/12 22:U5	1
1,2-Dicdloroetdane	1.0	h	1.0	0.21	7g/L			11/1K/12 22:U5	1
1,2-Dicdlorof rof ane	1.0	h	1.0	0.92	7g/L			11/1K/12 22:U5	1
1,U-Dicdloroben3ene	1.0	h	1.0	0.98	7g/L			11/1K/12 22:U5	1
1,4-Dicdloroben3ene	1.0	h	1.0	0.84	7g/L			11/1K/12 22:U5	1
2-p eH-anone	z.0	h	z.0	1.2	7g/L			11/1K/12 22:U5	1

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

Lab Sample ID: MB 480-91863/5
Matrix: Water
Analysis Batch: 91863

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-x 7tanone BM(E)	10	h	10	1.U	7g/L			11/1K/12 22:U5	1
4-Metdyl-2-f entanone BMIx E)	z.0	h	z.0	2.1	7g/L			11/1K/12 22:U5	1
Acetone	10	h	10	U.0	7g/L			11/1K/12 22:U5	1
x en3ene	1.0	h	1.0	0.41	7g/L			11/1K/12 22:U5	1
x romo6icdloromet dane	1.0	h	1.0	0.UK	7g/L			11/1K/12 22:U5	1
x romou orm	1.0	h	1.0	0.25	7g/L			11/1K/12 22:U5	1
x romomet dane	1.0	h	1.0	0.5K	7g/L			11/1K/12 22:U5	1
Carbon 6is7lu6e	1.0	h	1.0	0.1K	7g/L			11/1K/12 22:U5	1
Carbon tetracdlori6e	1.0	h	1.0	0.29	7g/L			11/1K/12 22:U5	1
Cdloroben3ene	1.0	h	1.0	0.9z	7g/L			11/1K/12 22:U5	1
Dibromocdlorometdane	1.0	h	1.0	0.U2	7g/L			11/1K/12 22:U5	1
Cdloroetdane	1.0	h	1.0	0.U2	7g/L			11/1K/12 22:U5	1
Cdlorou orm	1.0	h	1.0	0.U4	7g/L			11/1K/12 22:U5	1
Cdlorometdane	1.0	h	1.0	0.Uz	7g/L			11/1K/12 22:U5	1
cis-1,2-Dicdloroetdene	1.0	h	1.0	0.81	7g/L			11/1K/12 22:U5	1
cis-1,U-Dicdlorof rof ene	1.0	h	1.0	0.U5	7g/L			11/1K/12 22:U5	1
Cyclodel-ane	1.0	h	1.0	0.18	7g/L			11/1K/12 22:U5	1
Dicdloro6iu7orometdane	1.0	h	1.0	0.58	7g/L			11/1K/12 22:U5	1
(tdylben3ene	1.0	h	1.0	0.94	7g/L			11/1K/12 22:U5	1
Isof rof ylben3ene	1.0	h	1.0	0.9K	7g/L			11/1K/12 22:U5	1
Metdyl acetate	1.0	h	1.0	0.z0	7g/L			11/1K/12 22:U5	1
Metdyl tert-b7tyl etder	1.0	h	1.0	0.15	7g/L			11/1K/12 22:U5	1
Metdylcyclodel-ane	1.0	h	1.0	0.15	7g/L			11/1K/12 22:U5	1
Metdylene Cdlori6e	1.0	h	1.0	0.44	7g/L			11/1K/12 22:U5	1
Styrene	1.0	h	1.0	0.9U	7g/L			11/1K/12 22:U5	1
Tetracdloroetdene	1.0	h	1.0	0.U5	7g/L			11/1K/12 22:U5	1
Tol7ene	1.0	h	1.0	0.z1	7g/L			11/1K/12 22:U5	1
trans-1,2-Dicdloroetdene	1.0	h	1.0	0.K0	7g/L			11/1K/12 22:U5	1
trans-1,U-Dicdlorof rof ene	1.0	h	1.0	0.U9	7g/L			11/1K/12 22:U5	1
Tricdloroetdene	1.0	h	1.0	0.45	7g/L			11/1K/12 22:U5	1
Tricdlorou7orometdane	1.0	h	1.0	0.88	7g/L			11/1K/12 22:U5	1
Vinyl cdlori6e	1.0	h	1.0	0.K0	7g/L			11/1K/12 22:U5	1
Xylenes, Total	2.0	h	2.0	0.55	7g/L			11/1K/12 22:U5	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*11/19/12 22:36*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*11/19/12 22:36*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*11/19/12 22:36*	*1*

Lab Sample ID: LCS 480-91863/3
Matrix: Water
Analysis Batch: 91863

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dicdloroetdane	2z.0	24.U		7g/L		K9	91 - 12K
1,1-Dicdloroetdene	2z.0	21.5		7g/L		85	z8 - 121
1,2-Dicdloroben3ene	2z.0	2z.1		7g/L		100	80 - 124
1,2-Dicdloroetdane	2z.0	2U.9		7g/L		Kz	9z - 129

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

Lab Sample ID: LCS 480-91863/3
Matrix: Water
Analysis Batch: 91863

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
x en3ene	2z.0	24.9		7g/L		KK	91 - 124
Cdloroben3ene	2z.0	2z.4		7g/L		101	92 - 120
cis-1,2-Dicdloroetdene	2z.0	24.z		7g/L		K8	94 - 124
(tdylben3ene	2z.0	24.K		7g/L		100	99 - 12U
Metdyl tert-b7tyl etder	2z.0	22.1		7g/L		8K	54 - 129
Tetracdloroetdene	2z.0	2U.z		7g/L		K4	94 - 122
Tol7ene	2z.0	24.5		7g/L		K8	80 - 122
trans-1,2-Dicdloroetdene	2z.0	2z.U		7g/L		101	9U - 129
Tricdloroetdene	2z.0	2U.K		7g/L		K5	94 - 12U

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*
Toluene-d8 (Surr)	*99*		*71 - 126*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*

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

Lab Sample ID: MB 480-89611/1-A
Matrix: Water
Analysis Batch: 89792

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 89611

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
x if denyl	z.0	h	z.0	0.5z	7g/L		11/08/12 09:09	11/0K/12 04:45	1
bis B2-cdloroisof rof yl) etder	z.0	h	z.0	0.z2	7g/L		11/08/12 09:09	11/0K/12 04:45	1
2,4,z-Tricdlorof denol	z.0	h	z.0	0.48	7g/L		11/08/12 09:09	11/0K/12 04:45	1
2,4,5-Tricdlorof denol	z.0	h	z.0	0.51	7g/L		11/08/12 09:09	11/0K/12 04:45	1
2,4-Dicdlorof denol	z.0	h	z.0	0.z1	7g/L		11/08/12 09:09	11/0K/12 04:45	1
2,4-Dimetdylf denol	z.0	h	z.0	0.z0	7g/L		11/08/12 09:09	11/0K/12 04:45	1
2,4-Dinitrof denol	10	h	10	2.2	7g/L		11/08/12 09:09	11/0K/12 04:45	1
2,4-Dinitrotol7ene	z.0	h	z.0	0.4z	7g/L		11/08/12 09:09	11/0K/12 04:45	1
2,5-Dinitrotol7ene	z.0	h	z.0	0.40	7g/L		11/08/12 09:09	11/0K/12 04:45	1
2-Cdloronaf dtdalene	z.0	h	z.0	0.45	7g/L		11/08/12 09:09	11/0K/12 04:45	1
2-Cdlorof denol	z.0	h	z.0	0.zU	7g/L		11/08/12 09:09	11/0K/12 04:45	1
2-Metdylnaf dtdalene	z.0	h	z.0	0.50	7g/L		11/08/12 09:09	11/0K/12 04:45	1
2-Metdylf denol	z.0	h	z.0	0.40	7g/L		11/08/12 09:09	11/0K/12 04:45	1
2-Nitroaniline	10	h	10	0.42	7g/L		11/08/12 09:09	11/0K/12 04:45	1
2-Nitrof denol	z.0	h	z.0	0.48	7g/L		11/08/12 09:09	11/0K/12 04:45	1
U,U-Dicdloroben3i6ine	z.0	h	z.0	0.40	7g/L		11/08/12 09:09	11/0K/12 04:45	1
U-Nitroaniline	10	h	10	0.48	7g/L		11/08/12 09:09	11/0K/12 04:45	1
4,5-Dinitro-2-metdylf denol	10	h	10	2.2	7g/L		11/08/12 09:09	11/0K/12 04:45	1
4-x romof denyl f denyl etder	z.0	h	z.0	0.4z	7g/L		11/08/12 09:09	11/0K/12 04:45	1
4-Cdloro-U-metdylf denol	z.0	h	z.0	0.4z	7g/L		11/08/12 09:09	11/0K/12 04:45	1
4-Cdloroaniline	z.0	h	z.0	0.zK	7g/L		11/08/12 09:09	11/0K/12 04:45	1
4-Cdlorof denyl f denyl etder	z.0	h	z.0	0.Uz	7g/L		11/08/12 09:09	11/0K/12 04:45	1
4-Metdylf denol	10	h	10	0.U5	7g/L		11/08/12 09:09	11/0K/12 04:45	1
4-Nitroaniline	10	h	10	0.2z	7g/L		11/08/12 09:09	11/0K/12 04:45	1
4-Nitrof denol	10	h	10	1.z	7g/L		11/08/12 09:09	11/0K/12 04:45	1
Acenaf dtdene	z.0	h	z.0	0.41	7g/L		11/08/12 09:09	11/0K/12 04:45	1

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

Lab Sample ID: MB 480-89611/1-A
Matrix: Water
Analysis Batch: 89792

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 89611

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaf dtdylene	z.0	h	z.0	0.U8	7g/L		11/08/12 09:09	11/0K/12 04:45	1
Acetof denone	z.0	h	z.0	0.z4	7g/L		11/08/12 09:09	11/0K/12 04:45	1
Antdracene	z.0	h	z.0	0.28	7g/L		11/08/12 09:09	11/0K/12 04:45	1
Atra3ine	z.0	h	z.0	0.45	7g/L		11/08/12 09:09	11/0K/12 04:45	1
x en3al6edy6e	z.0	h	z.0	0.29	7g/L		11/08/12 09:09	11/0K/12 04:45	1
x en3oB a)antdracene	z.0	h	z.0	0.U5	7g/L		11/08/12 09:09	11/0K/12 04:45	1
x en3oB a)f yrene	z.0	h	z.0	0.49	7g/L		11/08/12 09:09	11/0K/12 04:45	1
x en3oB b)u7orantdene	z.0	h	z.0	0.U4	7g/L		11/08/12 09:09	11/0K/12 04:45	1
x en3oB g,d,i)f erylene	z.0	h	z.0	0.Uz	7g/L		11/08/12 09:09	11/0K/12 04:45	1
x en3oB k)u7orantdene	z.0	h	z.0	0.9U	7g/L		11/08/12 09:09	11/0K/12 04:45	1
x isB2-cdloroetdoH y)metdane	z.0	h	z.0	0.Uz	7g/L		11/08/12 09:09	11/0K/12 04:45	1
x isB2-cdloroetdyl)etder	z.0	h	z.0	0.40	7g/L		11/08/12 09:09	11/0K/12 04:45	1
x isB2-etdyldeH yl) f dtdalate	z.0	h	z.0	1.8	7g/L		11/08/12 09:09	11/0K/12 04:45	1
x 7tyl ben3yl f dtdalate	z.0	h	z.0	0.42	7g/L		11/08/12 09:09	11/0K/12 04:45	1
Caf rolactam	z.0	h	z.0	2.2	7g/L		11/08/12 09:09	11/0K/12 04:45	1
Carba3ole	z.0	h	z.0	0.U0	7g/L		11/08/12 09:09	11/0K/12 04:45	1
Cdrysene	z.0	h	z.0	0.UU	7g/L		11/08/12 09:09	11/0K/12 04:45	1
Di-n-b7tyl f dtdalate	z.0	h	z.0	0.U1	7g/L		11/08/12 09:09	11/0K/12 04:45	1
Di-n-octyl f dtdalate	z.0	h	z.0	0.49	7g/L		11/08/12 09:09	11/0K/12 04:45	1
Diben3B a,d)antdracene	z.0	h	z.0	0.42	7g/L		11/08/12 09:09	11/0K/12 04:45	1
Diben3ou7ran	10	h	10	0.z1	7g/L		11/08/12 09:09	11/0K/12 04:45	1
Dietdyl f dtdalate	z.0	h	z.0	0.22	7g/L		11/08/12 09:09	11/0K/12 04:45	1
Dimetdyl f dtdalate	z.0	h	z.0	0.U5	7g/L		11/08/12 09:09	11/0K/12 04:45	1
Fl7orantdene	z.0	h	z.0	0.40	7g/L		11/08/12 09:09	11/0K/12 04:45	1
Fl7orene	z.0	h	z.0	0.U5	7g/L		11/08/12 09:09	11/0K/12 04:45	1
p eH-acdloroben3ene	z.0	h	z.0	0.z1	7g/L		11/08/12 09:09	11/0K/12 04:45	1
p eH-acdlorob7ta6iene	z.0	h	z.0	0.58	7g/L		11/08/12 09:09	11/0K/12 04:45	1
p eH-acdlorocyclof enta6iene	z.0	h	z.0	0.zK	7g/L		11/08/12 09:09	11/0K/12 04:45	1
p eH-acdloroetdane	z.0	h	z.0	0.zK	7g/L		11/08/12 09:09	11/0K/12 04:45	1
In6enoB l,2,U-c6)f yrene	z.0	h	z.0	0.49	7g/L		11/08/12 09:09	11/0K/12 04:45	1
Isof dorone	z.0	h	z.0	0.4U	7g/L		11/08/12 09:09	11/0K/12 04:45	1
N-Nitroso6i-n-f rof ylamine	z.0	h	z.0	0.z4	7g/L		11/08/12 09:09	11/0K/12 04:45	1
N-Nitroso6if denylamine	z.0	h	z.0	0.z1	7g/L		11/08/12 09:09	11/0K/12 04:45	1
Naf dtdalene	z.0	h	z.0	0.95	7g/L		11/08/12 09:09	11/0K/12 04:45	1
Nitroben3ene	z.0	h	z.0	0.2K	7g/L		11/08/12 09:09	11/0K/12 04:45	1
Pentacdlorof denol	10	h	10	2.2	7g/L		11/08/12 09:09	11/0K/12 04:45	1
Pdenantdrene	z.0	h	z.0	0.44	7g/L		11/08/12 09:09	11/0K/12 04:45	1
Pdenol	z.0	h	z.0	0.UK	7g/L		11/08/12 09:09	11/0K/12 04:45	1
Pyrene	z.0	h	z.0	0.U4	7g/L		11/08/12 09:09	11/0K/12 04:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*116*		*52 - 132*	*11/08/12 07:07*	*11/09/12 04:46*	*1*
2-Fluorobiphenyl	*82*		*48 - 120*	*11/08/12 07:07*	*11/09/12 04:46*	*1*
2-Fluorophenol	*42*		*20 - 120*	*11/08/12 07:07*	*11/09/12 04:46*	*1*
Nitrobenzene-d5	*81*		*46 - 120*	*11/08/12 07:07*	*11/09/12 04:46*	*1*
p-Terphenyl-d14	*98*		*67 - 150*	*11/08/12 07:07*	*11/09/12 04:46*	*1*
Phenol-d5	*32*		*16 - 120*	*11/08/12 07:07*	*11/09/12 04:46*	*1*

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

Lab Sample ID: LCS 480-89611/2-A
Matrix: Water
Analysis Batch: 89792

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 89611

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotol7ene	80.0	80.K		7g/L		101	5z - 1z4
2-Cdlorof denol	80.0	z5.1		7g/L		90	48 - 120
4-Cdloro-U-metdylf denol	80.0	9U.5		7g/L		K2	54 - 120
4-Nitrof denol	80.0	2K.U		7g/L		U9	15 - 120
Acenaf dtdene	80.0	92.8		7g/L		K1	50 - 120
x isB2-etdyldeHyl) f dtdalate	80.0	84.5		7g/L		105	zU - 1z8
Fl7orene	80.0	98.2		7g/L		K8	zz - 14U
p eHacdloroetdane	80.0	z8.8		7g/L		94	14 - 101
N-Nitroso6i-n-f rof ylamine	80.0	9U.K		7g/L		K2	z5 - 120
Pentacdlorof denol	80.0	90.5		7g/L		88	UK - 1U5
Pdenol	80.0	U1.2		7g/L		UK	19 - 120
Pyrene	80.0	9z.5		7g/L		K4	z8 - 1U5

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*103*		*52 - 132*
2-Fluorobiphenyl	*87*		*48 - 120*
2-Fluorophenol	*45*		*20 - 120*
Nitrobenzene-d5	*94*		*46 - 120*
p-Terphenyl-d14	*94*		*67 - 150*
Phenol-d5	*36*		*16 - 120*

Lab Sample ID: MB 480-89993/1-A
Matrix: Water
Analysis Batch: 90587

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 89993

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
x if denyl	z.0	h	z.0	0.5z	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
bis B2-cdloroisof rof yl) etder	z.0	h	z.0	0.z2	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
2,4,z-Tricdlorof denol	z.0	h	z.0	0.48	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
2,4,5-Tricdlorof denol	z.0	h	z.0	0.51	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
2,4-Dicdlorof denol	z.0	h	z.0	0.z1	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
2,4-Dimetdylf denol	z.0	h	z.0	0.z0	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
2,4-Dinitrof denol	10	h	10	2.2	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
2,4-Dinitrotol7ene	z.0	h	z.0	0.4z	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
2,5-Dinitrotol7ene	z.0	h	z.0	0.40	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
2-Cdloronaf dtdalene	z.0	h	z.0	0.45	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
2-Cdlorof denol	z.0	h	z.0	0.zU	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
2-Metdylnaf dtdalene	z.0	h	z.0	0.50	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
2-Metdylf denol	z.0	h	z.0	0.40	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
2-Nitroaniline	10	h	10	0.42	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
2-Nitrof denol	z.0	h	z.0	0.48	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
U,U-Dicdloroben3i6ine	z.0	h	z.0	0.40	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
U-Nitroaniline	10	h	10	0.48	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
4,5-Dinitro-2-metdylf denol	10	h	10	2.2	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
4-x romof denyl f denyl etder	z.0	h	z.0	0.4z	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
4-Cdloro-U-metdylf denol	z.0	h	z.0	0.4z	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
4-Cdloroaniline	z.0	h	z.0	0.zK	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
4-Cdlorof denyl f denyl etder	z.0	h	z.0	0.Uz	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1

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

Lab Sample ID: MB 480-89993/1-A
Matrix: Water
Analysis Batch: 90587

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 89993

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Metdylf denol	10	h	10	0.U5	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
4-Nitroaniline	10	h	10	0.2z	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
4-Nitrof denol	10	h	10	1.z	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
Acenaf dtdene	z.0	h	z.0	0.41	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
Acenaf dtdylene	z.0	h	z.0	0.U8	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
Acetof denone	z.0	h	z.0	0.z4	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
Antdracene	z.0	h	z.0	0.28	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
Atra3ine	z.0	h	z.0	0.45	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
x en3al6edy6e	z.0	h	z.0	0.29	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
x en3oB a)antdracene	z.0	h	z.0	0.U5	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
x en3oB a)f yrene	z.0	h	z.0	0.49	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
x en3oB b)u7orantdene	z.0	h	z.0	0.U4	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
x en3oB g,d,i)f erylene	z.0	h	z.0	0.Uz	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
x en3oB k)u7orantdene	z.0	h	z.0	0.9U	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
x isB2-cdloroetdoH y)metdane	z.0	h	z.0	0.Uz	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
x isB2-cdloroetdyl)etder	z.0	h	z.0	0.40	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
x isB2-etdyldeH yl) f dtdalate	z.0	h	z.0	1.8	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
x 7tyl ben3yl f dtdalate	z.0	h	z.0	0.42	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
Caf rolactam	z.0	h	z.0	2.2	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
Carba3ole	z.0	h	z.0	0.U0	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
Cdrysene	z.0	h	z.0	0.UU	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
Di-n-b7tyl f dtdalate	z.0	h	z.0	0.U1	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
Di-n-octyl f dtdalate	z.0	h	z.0	0.49	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
Diben3B a,d)antdracene	z.0	h	z.0	0.42	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
Diben3ou7ran	10	h	10	0.z1	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
Dietdyl f dtdalate	z.0	h	z.0	0.22	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
Dimetdyl f dtdalate	z.0	h	z.0	0.U5	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
Fl7orantdene	z.0	h	z.0	0.40	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
Fl7orene	z.0	h	z.0	0.U5	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
p eH acdloroben3ene	z.0	h	z.0	0.z1	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
p eH acdlorob7ta6iene	z.0	h	z.0	0.58	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
p eH acdlorocyclof enta6iene	z.0	h	z.0	0.zK	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
p eH acdloroetdane	z.0	h	z.0	0.zK	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
In6enoB 1,2,U-c6)f yrene	z.0	h	z.0	0.49	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
Isof dorone	z.0	h	z.0	0.4U	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
N-Nitroso6i-n-f rof ylamine	z.0	h	z.0	0.z4	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
N-Nitroso6if denylamine	z.0	h	z.0	0.z1	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
Naf dtdalene	z.0	h	z.0	0.95	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
Nitroben3ene	z.0	h	z.0	0.2K	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
Pentacdlorof denol	10	h	10	2.2	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
Pdenantdrene	z.0	h	z.0	0.44	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
Pdenol	z.0	h	z.0	0.UK	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1
Pyrene	z.0	h	z.0	0.U4	7g/L		11/0K/12 1z:0K	11/14/12 0K:z4	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*112*		*52 - 132*	*11/09/12 15:09*	*11/14/12 09:54*	*1*
2-Fluorobiphenyl	*89*		*48 - 120*	*11/09/12 15:09*	*11/14/12 09:54*	*1*
2-Fluorophenol	*51*		*20 - 120*	*11/09/12 15:09*	*11/14/12 09:54*	*1*

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

Lab Sample ID: MB 480-89993/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 90587 — **Prep Batch: 89993**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	96		46 - 120	11/09/12 15:09	11/14/12 09:54	1
p-Terphenyl-d14	97		67 - 150	11/09/12 15:09	11/14/12 09:54	1
Phenol-d5	38		16 - 120	11/09/12 15:09	11/14/12 09:54	1

Lab Sample ID: LCS 480-89993/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 90587 — **Prep Batch: 89993**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotol7ene	80.0	84.K		7g/L		105	5z - 1z4
2-Cdlorof denol	80.0	55.5		7g/L		8U	48 - 120
4-Cdloro-U-metdylf denol	80.0	8z.4		7g/L		109	54 - 120
4-Nitrof denol	80.0	44.0		7g/L		zz	15 - 120
Acenaf dtdene	80.0	95.0		7g/L		Kz	50 - 120
x isB2-etdyldeHyl) f dtdalate	80.0	K4.z		7g/L		118	zU - 1z8
Fl7orene	80.0	81.9		7g/L		102	zz - 14U
p eHacdloroetdane	80.0	zK.2		7g/L		94	14 - 101
N-Nitroso6i-n-f rof ylamine	80.0	98.1		7g/L		K8	z5 - 120
Pentacdlorof denol	80.0	9z.2		7g/L		K4	UK - 1U5
Pdenol	80.0	Uz.1		7g/L		44	19 - 120
Pyrene	80.0	8U.z		7g/L		104	z8 - 1U5

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	113		52 - 132
2-Fluorobiphenyl	91		48 - 120
2-Fluorophenol	53		20 - 120
Nitrobenzene-d5	96		46 - 120
p-Terphenyl-d14	99		67 - 150
Phenol-d5	41		16 - 120

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 480-89385/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 89920 — **Prep Batch: 89385**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	h	0.010	0.00z5	mg/L		11/09/12 11:U0	11/08/12 19:Uz	1
x ari7m	0.0020	h	0.0020	0.00090	mg/L		11/09/12 11:U0	11/08/12 19:Uz	1
Ca6mi7m	0.0010	h	0.0010	0.000z0	mg/L		11/09/12 11:U0	11/08/12 19:Uz	1
Cdromi7m	0.0040	h	0.0040	0.0010	mg/L		11/09/12 11:U0	11/08/12 19:Uz	1
Lea6	0.00z0	h	0.00z0	0.00U0	mg/L		11/09/12 11:U0	11/08/12 19:Uz	1
Seleni7m	0.01z	h	0.01z	0.0089	mg/L		11/09/12 11:U0	11/08/12 19:Uz	1
Silver	0.00U0	h	0.00U0	0.0019	mg/L		11/09/12 11:U0	11/08/12 19:Uz	1

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

Lab Sample ID: LCS 480-89385/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 89920 — **Prep Batch: 89385**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.200	0.219		mg/L		108	80 - 120
x ari7m	0.200	0.210		mg/L		10z	80 - 120
Ca6mi7m	0.200	0.211		mg/L		10z	80 - 120
Cdromi7m	0.200	0.208		mg/L		104	80 - 120
Lea6	0.200	0.21U		mg/L		109	80 - 120
Seleni7m	0.200	0.204		mg/L		102	80 - 120
Silver	0.0z00	0.0z20		mg/L		104	80 - 120

Lab Sample ID: MB 480-89721/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 90115 — **Prep Batch: 89721**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	h	0.010	0.00z5	mg/L		11/08/12 14:z0	11/0K/12 20:25	1
x ari7m	0.0020	h	0.0020	0.00090	mg/L		11/08/12 14:z0	11/0K/12 20:25	1
Ca6mi7m	0.0010	h	0.0010	0.000z0	mg/L		11/08/12 14:z0	11/0K/12 20:25	1
Cdromi7m	0.0040	h	0.0040	0.0010	mg/L		11/08/12 14:z0	11/0K/12 20:25	1
Lea6	0.00z0	h	0.00z0	0.00U0	mg/L		11/08/12 14:z0	11/0K/12 20:25	1
Seleni7m	0.01z	h	0.01z	0.0089	mg/L		11/08/12 14:z0	11/0K/12 20:25	1
Silver	0.00U0	h	0.00U0	0.0019	mg/L		11/08/12 14:z0	11/0K/12 20:25	1

Lab Sample ID: LCS 480-89721/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 90115 — **Prep Batch: 89721**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.200	0.1K9		mg/L		K8	80 - 120
x ari7m	0.200	0.20z		mg/L		102	80 - 120
Ca6mi7m	0.200	0.1K9		mg/L		KK	80 - 120
Cdromi7m	0.200	0.1K8		mg/L		KK	80 - 120
Lea6	0.200	0.1K5		mg/L		K8	80 - 120
Seleni7m	0.200	0.1K4		mg/L		K9	80 - 120
Silver	0.0z00	0.04KK		mg/L		100	80 - 120

Lab Sample ID: MB 480-89485/1-B — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 90123 — **Prep Batch: 89504**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	h	0.010	0.00z5	mg/L		11/0K/12 08:U0	11/0K/12 22:45	1
x ari7m	0.0z14		0.0020	0.00090	mg/L		11/0K/12 08:U0	11/0K/12 22:45	1
Ca6mi7m	0.0010	h	0.0010	0.000z0	mg/L		11/0K/12 08:U0	11/0K/12 22:45	1
Cdromi7m	0.0040	h	0.0040	0.0010	mg/L		11/0K/12 08:U0	11/0K/12 22:45	1
Lea6	0.00z0	h	0.00z0	0.00U0	mg/L		11/0K/12 08:U0	11/0K/12 22:45	1
Seleni7m	0.01z	h	0.01z	0.0089	mg/L		11/0K/12 08:U0	11/0K/12 22:45	1
Silver	0.00U0	h	0.00U0	0.0019	mg/L		11/0K/12 08:U0	11/0K/12 22:45	1

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

Lab Sample ID: LCS 480-89485/2-B — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 90123 — **Prep Batch: 89504**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.200	0.208		mg/L		104	80 - 120
x ari7m	0.200	0.209		mg/L		10U	80 - 120
Ca6mi7m	0.200	0.202		mg/L		101	80 - 120
Cdromi7m	0.200	0.208		mg/L		104	80 - 120
Lea6	0.200	0.202		mg/L		101	80 - 120
Seleni7m	0.200	0.1Kz		mg/L		K8	80 - 120
Silver	0.0z00	0.0z12		mg/L		102	80 - 120

Lab Sample ID: MB 480-90228/1-B — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 90801 — **Prep Batch: 90319**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	h	0.010	0.00z5	mg/L		11/1U/1U 09:z0	11/1U/12 20:42	1
x ari7m	0.0020	h	0.0020	0.00090	mg/L		11/1U/1U 09:z0	11/1U/12 20:42	1
Ca6mi7m	0.0010	h	0.0010	0.000z0	mg/L		11/1U/1U 09:z0	11/1U/12 20:42	1
Cdromi7m	0.0040	h	0.0040	0.0010	mg/L		11/1U/1U 09:z0	11/1U/12 20:42	1
Seleni7m	0.01z	h	0.01z	0.0089	mg/L		11/1U/1U 09:z0	11/1U/12 20:42	1
Silver	0.00U0	h	0.00U0	0.0019	mg/L		11/1U/1U 09:z0	11/1U/12 20:42	1

Lab Sample ID: MB 480-90228/1-B — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 91055 — **Prep Batch: 90319**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lea6	0.00z0	h	0.00z0	0.00U0	mg/L		11/1U/12 09:z0	11/14/12 1K:11	1

Lab Sample ID: LCS 480-90228/2-B — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 90801 — **Prep Batch: 90319**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.200	0.201		mg/L		101	80 - 120
x ari7m	0.200	0.208		mg/L		104	80 - 120
Ca6mi7m	0.200	0.204		mg/L		102	80 - 120
Cdromi7m	0.200	0.208		mg/L		104	80 - 120
Lea6	0.200	0.201		mg/L		101	80 - 120
Seleni7m	0.200	0.20U		mg/L		101	80 - 120
Silver	0.0z00	0.0z20		mg/L		104	80 - 120

Lab Sample ID: MB 480-89485/1-D — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 92079 — **Prep Batch: 91945**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
x ari7m	0.0020	h	0.0020	0.00090	mg/L		11/20/12 0K:10	11/20/12 1z:4U	1

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

Lab Sample ID: LCS 480-89485/2-D — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 92079 — **Prep Batch: 91945**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
x ari7m	0.200	0.20K		mg/L		10z	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-89366/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 89509 — **Prep Batch: 89366**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Merc7ry	0.00020	h	0.00020	0.00012	mg/L		11/09/12 08:1U	11/09/12 1U:28	1

Lab Sample ID: LCS 480-89366/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 89509 — **Prep Batch: 89366**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Merc7ry	0.00559	0.005Uz		mg/L		Kz	80 - 120

Lab Sample ID: MB 480-89663/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 89750 — **Prep Batch: 89663**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Merc7ry	0.00020	h	0.00020	0.00012	mg/L		11/08/12 0K:zz	11/08/12 12:19	1

Lab Sample ID: LCS 480-89663/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 89750 — **Prep Batch: 89663**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Merc7ry	0.00559	0.0055z		mg/L		100	80 - 120

Lab Sample ID: MB 480-89485/1-C — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 89768 — **Prep Batch: 89674**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Merc7ry	0.00020	h	0.00020	0.00012	mg/L		11/08/12 10:40	11/08/12 14:12	1

Lab Sample ID: LCS 480-89485/2-C — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 89768 — **Prep Batch: 89674**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Merc7ry	0.00559	0.00558		mg/L		100	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 480-90228/1-C — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 90746 — **Prep Batch: 90526**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Merc7ry	0.00020	h	0.00020	0.00012	mg/L		11/1U/12 0K:20	11/1U/12 1z:Uz	1

Lab Sample ID: LCS 480-90228/2-C — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 90746 — **Prep Batch: 90526**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Merc7ry			0.00559	0.00522		mg/L		KU	80 - 120		

Lab Sample ID: 480-27956-10 MS — **Client Sample ID: PH-5**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 90746 — **Prep Batch: 90526**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Merc7ry	0.00020	h	0.00559	0.005U8		mg/L		K5	9z - 12z		

Lab Sample ID: 480-27956-10 MSD — **Client Sample ID: PH-5**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 90746 — **Prep Batch: 90526**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Merc7ry	0.00020	h	0.00559	0.005U0		mg/L		K4	9z - 12z	1	20

QC Association Summary

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-27826-1

GC/MS VOA

Analysis Batch: 90773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-1	PH-1	Total/NA	Water	8260B	
480-27826-2	PH-2	Total/NA	Water	8260B	
480-27826-3	PH-3	Total/NA	Water	8260B	
480-27826-4	PH-4	Total/NA	Water	8260B	
480-27826-5	PH-6	Total/NA	Water	8260B	
LCS 480-90225/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-90225/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 91825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27956-10	PH-5	Total/NA	Water	8260B	
480-27956-11	PH-7	Total/NA	Water	8260B	
LCS 480-91863/3	Lab Control Sample	Total/NA	Water	8260B	
MB 480-91863/5	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 89211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-1	PH-1	Total/NA	Water	3510C	
480-27826-2	PH-2	Total/NA	Water	3510C	
480-27826-3	PH-3	Total/NA	Water	3510C	
480-27826-4	PH-4	Total/NA	Water	3510C	
480-27826-5	PH-6	Total/NA	Water	3510C	
LCS 480-89611/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 480-89611/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 89497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-1	PH-1	Total/NA	Water	8270C	89611
480-27826-2	PH-2	Total/NA	Water	8270C	89611
480-27826-3	PH-3	Total/NA	Water	8270C	89611
480-27826-4	PH-4	Total/NA	Water	8270C	89611
LCS 480-89611/2-A	Lab Control Sample	Total/NA	Water	8270C	89611
MB 480-89611/1-A	Method Blank	Total/NA	Water	8270C	89611

Analysis Batch: 89941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-5	PH-6	Total/NA	Water	8270C	89611

Prep Batch: 89995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27956-10	PH-5	Total/NA	Water	3510C	
480-27956-11	PH-7	Total/NA	Water	3510C	
LCS 480-89993/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 480-89993/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 90384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-89993/2-A	Lab Control Sample	Total/NA	Water	8270C	89993

GC/MS Semi VOA (Continued)

Analysis Batch: 90384 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-89993/1-A	Method Blank	Total/NA	Water	8270C	89993

Analysis Batch: 90878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27956-10	PH-5	Total/NA	Water	8270C	89993
480-27956-11	PH-7	Total/NA	Water	8270C	89993

Metals

Prep Batch: 89522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-1	PH-1	Total/NA	Water	7470A	
480-27826-2	PH-2	Total/NA	Water	7470A	
480-27826-3	PH-3	Total/NA	Water	7470A	
480-27826-4	PH-4	Total/NA	Water	7470A	
480-27826-5	PH-6	Total/NA	Water	7470A	
LCS 480-89366/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-89366/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 89583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-1	PH-1	Total/NA	Water	3005A	
480-27826-2	PH-2	Total/NA	Water	3005A	
480-27826-3	PH-3	Total/NA	Water	3005A	
480-27826-4	PH-4	Total/NA	Water	3005A	
480-27826-5	PH-6	Total/NA	Water	3005A	
LCS 480-89385/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 480-89385/1-A	Method Blank	Total/NA	Water	3005A	

Prep Batch: 89306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-1	PH-1	Dissolved	Water	3005A	
480-27826-2	PH-2	Dissolved	Water	3005A	
480-27826-3	PH-3	Dissolved	Water	3005A	
480-27826-4	PH-4	Dissolved	Water	3005A	
480-27826-5	PH-6	Dissolved	Water	3005A	
LCS 480-89485/2-B	Lab Control Sample	Dissolved	Water	3005A	
MB 480-89485/1-B	Method Blank	Dissolved	Water	3005A	

Analysis Batch: 89309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-1	PH-1	Total/NA	Water	7470A	89366
480-27826-2	PH-2	Total/NA	Water	7470A	89366
480-27826-3	PH-3	Total/NA	Water	7470A	89366
480-27826-4	PH-4	Total/NA	Water	7470A	89366
480-27826-5	PH-6	Total/NA	Water	7470A	89366
LCS 480-89366/2-A	Lab Control Sample	Total/NA	Water	7470A	89366
MB 480-89366/1-A	Method Blank	Total/NA	Water	7470A	89366

Metals (Continued)

Prep Batch: 89225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27956-10	PH-5	Total/NA	Water	7470A	
480-27956-11	PH-7	Total/NA	Water	7470A	
LCS 480-89663/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-89663/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 89246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-1	PH-1	Dissolved	Water	7470A	
480-27826-2	PH-2	Dissolved	Water	7470A	
480-27826-3	PH-3	Dissolved	Water	7470A	
480-27826-4	PH-4	Dissolved	Water	7470A	
480-27826-5	PH-6	Dissolved	Water	7470A	
LCS 480-89485/2-C	Lab Control Sample	Dissolved	Water	7470A	
MB 480-89485/1-C	Method Blank	Dissolved	Water	7470A	

Prep Batch: 89471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27956-10	PH-5	Total/NA	Water	3005A	
480-27956-11	PH-7	Total/NA	Water	3005A	
LCS 480-89721/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 480-89721/1-A	Method Blank	Total/NA	Water	3005A	

Analysis Batch: 89430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27956-10	PH-5	Total/NA	Water	7470A	89663
480-27956-11	PH-7	Total/NA	Water	7470A	89663
LCS 480-89663/2-A	Lab Control Sample	Total/NA	Water	7470A	89663
MB 480-89663/1-A	Method Blank	Total/NA	Water	7470A	89663

Analysis Batch: 89428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-1	PH-1	Dissolved	Water	7470A	89674
480-27826-2	PH-2	Dissolved	Water	7470A	89674
480-27826-3	PH-3	Dissolved	Water	7470A	89674
480-27826-4	PH-4	Dissolved	Water	7470A	89674
480-27826-5	PH-6	Dissolved	Water	7470A	89674
LCS 480-89485/2-C	Lab Control Sample	Dissolved	Water	7470A	89674
MB 480-89485/1-C	Method Blank	Dissolved	Water	7470A	89674

Analysis Batch: 89970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-1	PH-1	Total/NA	Water	6010B	89385
480-27826-2	PH-2	Total/NA	Water	6010B	89385
480-27826-3	PH-3	Total/NA	Water	6010B	89385
480-27826-4	PH-4	Total/NA	Water	6010B	89385
480-27826-5	PH-6	Total/NA	Water	6010B	89385
LCS 480-89385/2-A	Lab Control Sample	Total/NA	Water	6010B	89385
MB 480-89385/1-A	Method Blank	Total/NA	Water	6010B	89385

Metals (Continued)

Analysis Batch: 90113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27956-10	PH-5	Total/NA	Water	6010B	89721
480-27956-11	PH-7	Total/NA	Water	6010B	89721
LCS 480-89721/2-A	Lab Control Sample	Total/NA	Water	6010B	89721
MB 480-89721/1-A	Method Blank	Total/NA	Water	6010B	89721

Analysis Batch: 90175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-1	PH-1	Dissolved	Water	6010B	89504
480-27826-2	PH-2	Dissolved	Water	6010B	89504
480-27826-3	PH-3	Dissolved	Water	6010B	89504
480-27826-4	PH-4	Dissolved	Water	6010B	89504
480-27826-5	PH-6	Dissolved	Water	6010B	89504
LCS 480-89485/2-B	Lab Control Sample	Dissolved	Water	6010B	89504
MB 480-89485/1-B	Method Blank	Dissolved	Water	6010B	89504

Analysis Batch: 90157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-2	PH-2	Total/NA	Water	6010B	89385
480-27826-4	PH-4	Total/NA	Water	6010B	89385
480-27826-5	PH-6	Total/NA	Water	6010B	89385

Prep Batch: 90519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27956-10	PH-5	Dissolved	Water	3005A	
480-27956-11	PH-7	Dissolved	Water	3005A	
LCS 480-90228/2-B	Lab Control Sample	Dissolved	Water	3005A	
MB 480-90228/1-B	Method Blank	Dissolved	Water	3005A	

Prep Batch: 90372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27956-10	PH-5	Dissolved	Water	7470A	
480-27956-10 MS	PH-5	Dissolved	Water	7470A	
480-27956-10 MSD	PH-5	Dissolved	Water	7470A	
480-27956-11	PH-7	Dissolved	Water	7470A	
LCS 480-90228/2-C	Lab Control Sample	Dissolved	Water	7470A	
MB 480-90228/1-C	Method Blank	Dissolved	Water	7470A	

Analysis Batch: 90462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27956-10	PH-5	Dissolved	Water	7470A	90526
480-27956-10 MS	PH-5	Dissolved	Water	7470A	90526
480-27956-10 MSD	PH-5	Dissolved	Water	7470A	90526
480-27956-11	PH-7	Dissolved	Water	7470A	90526
LCS 480-90228/2-C	Lab Control Sample	Dissolved	Water	7470A	90526
MB 480-90228/1-C	Method Blank	Dissolved	Water	7470A	90526

Analysis Batch: 90801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27956-10	PH-5	Dissolved	Water	6010B	90319
480-27956-11	PH-7	Dissolved	Water	6010B	90319
LCS 480-90228/2-B	Lab Control Sample	Dissolved	Water	6010B	90319

Metals (Continued)

Analysis Batch: 90801 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-90228/1-B	Method Blank	Dissolved	Water	6010B	90319

Analysis Batch: 91033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-90228/1-B	Method Blank	Dissolved	Water	6010B	90319

Analysis Batch: 91466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27956-10	PH-5	Total/NA	Water	6010B	89721
480-27956-10	PH-5	Total/NA	Water	6010B	89721

Prep Batch: 91963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-1	PH-1	Dissolved	Water	3005A	
480-27826-3	PH-3	Dissolved	Water	3005A	
480-27826-4	PH-4	Dissolved	Water	3005A	
LCS 480-89485/2-D	Lab Control Sample	Dissolved	Water	3005A	
MB 480-89485/1-D	Method Blank	Dissolved	Water	3005A	

Analysis Batch: 97049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-27826-1	PH-1	Dissolved	Water	6010B	91945
480-27826-3	PH-3	Dissolved	Water	6010B	91945
480-27826-4	PH-4	Dissolved	Water	6010B	91945
LCS 480-89485/2-D	Lab Control Sample	Dissolved	Water	6010B	91945
MB 480-89485/1-D	Method Blank	Dissolved	Water	6010B	91945

Lab Chronicle

Client: TTL, Inc.
j ro/ectSMte: g apna Mte

TestAmerica Job ID: 480-27826-P

Client Sample ID: PH-1

Date Collected: 11/05/12 11:30
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TotalSFA	Anal5sis	82603		P	1022B	PPSPPS2 P8:46	CDC	TAL 39U
TotalSFA	j reN	yBP0C			816PP	PPS08S2 07:07	FD	TAL 39U
TotalSFA	Anal5sis	8270C		P	81712	PPS01S2 P0:y7	Rg g	TAL 39U
TotalSFA	j reN	7470A			81y66	PPS07S2 08:Py	JRH	TAL 39U
TotalSFA	Anal5sis	7470A		P	81B01	PPS07S2 P4:P0	JRH	TAL 39U
DissolKeu	j reN	7470A			81674	PPS08S2 P0:40	JRH	TAL 39U
DissolKeu	Anal5sis	7470A		P	81768	PPS08S2 P4:PB	JRH	TAL 39U
TotalSFA	j reN	y00BA			81y8B	PPS07S2 PP:y0	MM	TAL 39U
TotalSFA	Anal5sis	60P03		P	81120	PPS08S2 P7:y1	Lf	TAL 39U
DissolKeu	j reN	y00BA			81B04	PPS01S2 08:y0	Jg	TAL 39U
DissolKeu	Anal5sis	60P03		P	10P2y	PPS01S2 22:B0	Lf	TAL 39U
DissolKeu	j reN	y00BA			1P14B	PPS20S2 01:P0	Jg	TAL 39U
DissolKeu	Anal5sis	60P03		P	12071	PPS20S2 PB:48	g g	TAL 39U

Client Sample ID: PH-2

Date Collected: 11/05/12 12:15
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TotalSFA	Anal5sis	82603		P	1022B	PPSPPS2 P1:01	CDC	TAL 39U
TotalSFA	j reN	yBP0C			816PP	PPS08S2 07:07	FD	TAL 39U
TotalSFA	Anal5sis	8270C		P	81712	PPS01S2 P0:P4	Rg g	TAL 39U
TotalSFA	j reN	7470A			81y66	PPS07S2 08:Py	JRH	TAL 39U
TotalSFA	Anal5sis	7470A		P	81B01	PPS07S2 P4:P2	JRH	TAL 39U
DissolKeu	j reN	7470A			81674	PPS08S2 P0:40	JRH	TAL 39U
DissolKeu	Anal5sis	7470A		P	81768	PPS08S2 P4:P7	JRH	TAL 39U
TotalSFA	j reN	y00BA			81y8B	PPS07S2 PP:y0	MM	TAL 39U
TotalSFA	Anal5sis	60P03		P	81120	PPS08S2 P7:4P	Lf	TAL 39U
DissolKeu	j reN	y00BA			81B04	PPS01S2 08:y0	Jg	TAL 39U
DissolKeu	Anal5sis	60P03		P	10P2y	PPS01S2 22:By	Lf	TAL 39U
TotalSFA	Anal5sis	60P03		P	10Py2	PPS01S2 P7:22	Lf	TAL 39U

Client Sample ID: PH-3

Date Collected: 11/05/12 13:30
Date Received: 11/06/12 08:15

Lab Sample ID: 480-27826-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TotalSFA	Anal5sis	82603		P	1022B	PPSPPS2 P1:y2	CDC	TAL 39U
TotalSFA	j reN	yBP0C			816PP	PPS08S2 07:07	FD	TAL 39U
TotalSFA	Anal5sis	8270C		P0	81712	PPS01S2 01:B0	Rg g	TAL 39U
TotalSFA	j reN	7470A			81y66	PPS07S2 08:Py	JRH	TAL 39U
TotalSFA	Anal5sis	7470A		P	81B01	PPS07S2 P4:P4	JRH	TAL 39U
DissolKeu	j reN	7470A			81674	PPS08S2 P0:40	JRH	TAL 39U

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Client Sample ID: PH-3

Lab Sample ID: 480-27826-3

Date Collected: 11/05/12 13:30

Matrix: Water

Date Received: 11/06/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
DissolKeu	Anal5sis	7470A		P	81768	PPS08SP2 P4:P1	JRH	TAL 39 U
TotalSFA	j reN	y00BA			81y8B	PPS07SP2 PP:y0	MM	TAL 39 U
TotalSFA	Anal5sis	60P03		P	81120	PPS08SP2 P7:44	Lf	TAL 39 U
DissolKeu	j reN	y00BA			81B04	PPS01SP2 08:y0	Jg	TAL 39 U
DissolKeu	Anal5sis	60P03		P	10P2y	PPS01SP2 22:BB	Lf	TAL 39 U
DissolKeu	j reN	y00BA			1P14B	PPS20SP2 01:P0	Jg	TAL 39 U
DissolKeu	Anal5sis	60P03		P	12071	PPS20SP2 PB:BB	g g	TAL 39 U

Client Sample ID: PH-4

Lab Sample ID: 480-27826-4

Date Collected: 11/05/12 14:30

Matrix: Water

Date Received: 11/06/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TotalSFA	Anal5sis	82603		P	1022B	PPSPPSP2 P1:B4	CDC	TAL 39 U
TotalSFA	j reN	yBP0C			816PP	PPS08SP2 07:07	FD	TAL 39 U
TotalSFA	Anal5sis	8270C		P	81712	PPS01SP2 01:27	Rg g	TAL 39 U
TotalSFA	j reN	7470A			81y66	PPS07SP2 08:Py	JRH	TAL 39 U
TotalSFA	Anal5sis	7470A		P	81B01	PPS07SP2 P4:P6	JRH	TAL 39 U
DissolKeu	j reN	7470A			81674	PPS08SP2 P0:40	JRH	TAL 39 U
DissolKeu	Anal5sis	7470A		P	81768	PPS08SP2 P4:20	JRH	TAL 39 U
TotalSFA	j reN	y00BA			81y8B	PPS07SP2 PP:y0	MM	TAL 39 U
TotalSFA	Anal5sis	60P03		P	81120	PPS08SP2 P7:46	Lf	TAL 39 U
DissolKeu	j reN	y00BA			81B04	PPS01SP2 08:y0	Jg	TAL 39 U
DissolKeu	Anal5sis	60P03		P	10P2y	PPS01SP2 22:B7	Lf	TAL 39 U
TotalSFA	Anal5sis	60P03		P	10Py2	PPS01SP2 P7:2B	Lf	TAL 39 U
DissolKeu	j reN	y00BA			1P14B	PPS20SP2 01:P0	Jg	TAL 39 U
DissolKeu	Anal5sis	60P03		P	12071	PPS20SP2 PB:B7	g g	TAL 39 U

Client Sample ID: PH-6

Lab Sample ID: 480-27826-5

Date Collected: 11/05/12 16:50

Matrix: Water

Date Received: 11/06/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TotalSFA	Anal5sis	82603		P	1022B	PPSPPSP2 20:P7	CDC	TAL 39 U
TotalSFA	j reN	yBP0C			816PP	PPS08SP2 07:07	FD	TAL 39 U
TotalSFA	Anal5sis	8270C		P	8117P	PPS01SP2 P7:0P	Rg g	TAL 39 U
TotalSFA	j reN	7470A			81y66	PPS07SP2 08:Py	JRH	TAL 39 U
TotalSFA	Anal5sis	7470A		P	81B01	PPS07SP2 P4:P8	JRH	TAL 39 U
DissolKeu	j reN	7470A			81674	PPS08SP2 P0:40	JRH	TAL 39 U
DissolKeu	Anal5sis	7470A		P	81768	PPS08SP2 P4:22	JRH	TAL 39 U
TotalSFA	j reN	y00BA			81y8B	PPS07SP2 PP:y0	MM	TAL 39 U
TotalSFA	Anal5sis	60P03		P	81120	PPS08SP2 P7:48	Lf	TAL 39 U
DissolKeu	j reN	y00BA			81B04	PPS01SP2 08:y0	Jg	TAL 39 U

Lab Chronicle

Client: TTL, Inc.
j ro/ectSMte: g apna Mte

TestAmerica Job ID: 480-27826-P

Client Sample ID: PH-6

Lab Sample ID: 480-27826-5

Date Collected: 11/05/12 16:50

Matrix: Water

Date Received: 11/06/12 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
DissolKeu	Anal5sis	60P03		P	10P2y	PPS01SP2 2y:00	Lf	TAL 39U
TotalSFA	Anal5sis	60P03		P	10Py2	PPS01SP2 P7:27	Lf	TAL 39U

Client Sample ID: PH-5

Lab Sample ID: 480-27956-10

Date Collected: 11/06/12 07:25

Matrix: Water

Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TotalSFA	Anal5sis	82603		P	1P86y	PPS20SP2 0P:41	TR3	TAL 39U
TotalSFA	j reN	yBP0C			8111y	PPS01SP2 PB:01	H3	TAL 39U
TotalSFA	Anal5sis	8270C		P	10828	PPSP4SP2 2P:4y	Rg g	TAL 39U
TotalSFA	j reN	7470A			8166y	PPS08SP2 01:BB	JRH	TAL 39U
TotalSFA	Anal5sis	7470A		P	817B0	PPS08SP2 P2:4y	JRH	TAL 39U
TotalSFA	j reN	y00BA			8172P	PPS08SP2 P4:B0	Jg	TAL 39U
TotalSFA	Anal5sis	60P03		P	10FPB	PPS01SP2 2P:24	Af	TAL 39U
DissolKeu	j reN	7470A			10B26	PPSPySP2 01:20	JRH	TAL 39U
DissolKeu	Anal5sis	7470A		P	10746	PPSPySP2 PB:y1	JRH	TAL 39U
DissolKeu	Anal5sis	60P03		P	1080P	PPSPySP2 20:47	g g	TAL 39U
DissolKeu	j reN	y00BA			10yP1	PPSPySPy 07:B0	Jg	TAL 39U
TotalSFA	Anal5sis	60P03		P	1P744	PPSP2SP2 P7:yy	Af	TAL 39U
TotalSFA	Anal5sis	60P03		B	1P744	PPSP2SP2 P7:y6	Af	TAL 39U

Client Sample ID: PH-7

Lab Sample ID: 480-27956-11

Date Collected: 11/06/12 12:25

Matrix: Water

Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TotalSFA	Anal5sis	82603		P	1P86y	PPS20SP2 02:P7	TR3	TAL 39U
TotalSFA	j reN	yBP0C			8111y	PPS01SP2 PB:01	H3	TAL 39U
TotalSFA	Anal5sis	8270C		P	10828	PPSP4SP2 22:06	Rg g	TAL 39U
TotalSFA	j reN	7470A			8166y	PPS08SP2 01:BB	JRH	TAL 39U
TotalSFA	Anal5sis	7470A		P	817B0	PPS08SP2 P2:4B	JRH	TAL 39U
TotalSFA	j reN	y00BA			8172P	PPS08SP2 P4:B0	Jg	TAL 39U
TotalSFA	Anal5sis	60P03		P	10FPB	PPS01SP2 2P:26	Af	TAL 39U
DissolKeu	j reN	7470A			10B26	PPSPySP2 01:20	JRH	TAL 39U
DissolKeu	Anal5sis	7470A		P	10746	PPSPySP2 PB:4B	JRH	TAL 39U
DissolKeu	Anal5sis	60P03		P	1080P	PPSPySP2 20:B0	g g	TAL 39U
DissolKeu	j reN	y00BA			10yP1	PPSPySPy 07:B0	Jg	TAL 39U

Laboratory References:

TAL 39U w TestAmerica 3=zzalo, P0 f adelv oou DriKe, Amherst, FY P4228-2218, TEL (7P6)61P-2600

Certification Summary

Client: TTL, Inc.
j ro/ectSMte: g af na Mte

TestAmerica Job ID: 480-27826-P

Laboratory: TestAmerica Buffalo

All certihcations dely bNtdis laboratorNare listey. p ot all certihcations are akklicable to tdis rekort.

Authority	Program	EPA Region	Certification ID	Expiration Date
ArEansas DQ1	Mtate j rof ram	6	88-0686	07-06-P3
Calihrnia	p QLAC	9	PP69CA	09-30-P3
Connecticut	Mtate j rof ram	P	j H-0568	09-30-P4
Floriya	p QLAC	4	Q87672	06-30-P3
Georf ia	Mtate j rof ram	4	p SA	03-3P-P3
Georf ia	Mtate j rof ram	4	956	06-30-P3
Georf ia	Mtate j rof ram	4	956	06-30-P3
Illinois	p QLAC	5	200003	09-30-P3
Iowa	Mtate j rof ram	7	374	03-0P-P3
Kansas	p QLAC	7	Q-P0P87	0P-3P-P3
KentucEN	Mtate j rof ram	4	90029	P2-3P-P2
KentucEN (UMT)	Mtate j rof ram	4	30	04-0P-P3
Louisiana	p QLAC	6	0203P	06-30-P3
g aine	Mtate j rof ram	P	p Y00044	P2-04-P2
g arNany	Mtate j rof ram	3	294	03-3P-P3
g assacdusetts	Mtate j rof ram	P	g -p Y044	06-30-P3
g icdif an	Mtate j rof ram	5	9937	04-0P-P3
g innesota	p QLAC	5	036-999-337	P2-3P-P2
p ew Hamksdire	p QLAC	P	2973	09-PP-P3
p ew Hamksdire	p QLAC	P	2337	PP-P7-P3
p ew JerseN	p QLAC	2	p Y455	06-30-P3
p ew YorE	p QLAC	2	P0026	03-3P-P3
p ortd DaEota	Mtate j rof ram	8	R-P76	03-3P-P3
OEladoma	Mtate j rof ram	6	942P	08-3P-P3
Oref on	p QLAC	P0	p Y200003	06-09-P3
j ennsNvania	p QLAC	3	68-0028P	07-3P-P3
Rdoye Islany	Mtate j rof ram	P	LAO00328	P2-3P-P3
Tennessee	Mtate j rof ram	4	Tp 02970	04-0P-P3
Texas	p QLAC	6	TP047044P2-PP-2	07-3P-P3
UMDA	Feyeral		j 330-PP-00386	PP-22-P4
Virf inia	p QLAC	3	460P85	09-P4-P3
Wasdinf ton	Mtate j rof ram	P0	C784	02-P0-P3
West Virf inia DQj	Mtate j rof ram	3	252	09-30-P3
Wisconsin	Mtate j rof ram	5	9983P0390	08-3P-P3

Method Summary

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-27826-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010B	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-27826-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-27826-1	PH-1	Water	11/05/12 11:30	11/06/12 08:15
480-27826-2	PH-2	Water	11/05/12 12:15	11/06/12 08:15
480-27826-3	PH-3	Water	11/05/12 13:30	11/06/12 08:15
480-27826-4	PH-4	Water	11/05/12 14:30	11/06/12 08:15
480-27826-5	PH-6	Water	11/05/12 16:50	11/06/12 08:15
480-27956-10	PH-5	Water	11/06/12 07:25	11/07/12 09:00
480-27956-11	PH-7	Water	11/06/12 12:25	11/07/12 09:00

Login Sample Receipt Checklist

Client: TTL, Inc.

Job Number: 480-27826-R

Login Number: 27826

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl

Question	Answer	Comment
a dviodctiyith eitwer s df not medf urev or, ikmedf urev, if dt or belos bdcg' rounv	True	
Twe coolerþ cuf tovh f edl, ikSref ent, if intdct.	True	
Twe cooler or f dmSlef vo not dSSedr to wdye been comSromif ev or tdmSerev s itw.	True	
OdmSlef s ere receiyev on ice.	True	
Cooler TemSerdture if dcceStdble.	True	
Cooler TemSerdture if recorvev.	True	
CF C if Sref ent.	True	
CF C if killev out in ing dnv le' ible.	True	
CF C if killev out s itw dll Sertinent inkormdtion.	True	
If twe ?ielv OdmSlerþ ndme Sref ent on CF CD	True	
Twere dre no vif creSdncief bets een twe f dmSle IHf on twe contdinerf dnv twe CF C.	True	
OdmSlef dre receiyev s itwin / olvin' Time.	True	
OdmSle contdinerf wdye le' ible ldbelf .	True	
Contdinerf dre not brogen or ledgin' .	True	
OdmSle collection vdteÆimef dre Sroyivev.	True	
PSSroSridte f dmSle contdinerf dre uf ev.	True	
OdmSle bottlef dre comSletelh killev.	True	
OdmSle Vref erydtion qerikiev	True	
Twere if f ukkicient yol. kor dll reMuef tev dndlhf ef , incl. dnh reMuef tev < OA< OHf	True	
q F P f dmSle yidlf vo not wdye wedvf Sdce or bubble if (6mm 1R4") in vidmeter.	True	
Iknecef f drh, f tdkkwdye been inkormev okdnh f wort wolv time or Muicg TPT neevf	True	
< ultiSwdf ic f dmSlef dre not Sref ent.	True	
OdmSlef vo not reMuire f Slittin' or comSof itin' .	True	
OdmSlin' ComSdnh Sroyivev.	True	ttl
OdmSlef receiyev s itwin 48 wourf okf dmSlin' .	True	
OdmSlef reMuirin' kielv kiltrdtion wdye been kilterev in twe kielv.	NÆP	
Cwlorine a ef ivudl cwecgev.	NÆP	

Login Sample Receipt Checklist

Client: TTL, Inc.

Job Number: 480-27826-R

Login Number: 27956

List Source: TestAmerica Buffalo

List Number: 1

Creator: Robitaille, Zach L

Question	Answer	Comment
a dviodctiyith eitwer s df not medf urev or, ikmedf urev, if dt or belos bdcg' rounv	True	
Twe coolerø cuf tovh f edl, ik Sref ent, if intdct.	True	
Twe cooler or f dmSlef vo not dSSedr to wdye been comSromif ev or tdmSerev s itw.	True	
OdmSlef s ere receiyev on ice.	True	
Cooler TemSerdture if dcceStdble.	True	
Cooler TemSerdture if recorvev.	True	
CF C if Sref ent.	True	
CF C if killev out in ing dnv le' ible.	True	
CF C if killev out s itw dll Sertinent inkormdtion.	True	
If twe ?ielv OdmSlerø ndme Sref ent on CF CD	True	
Twere dre no vif creSdncief bets een twe f dmSle IHf on twe contdinerf dnv twe CF C.	True	
OdmSlef dre receiyev s itwin / olvin' Time.	True	
OdmSle contdinerf wdye le' ible ldbelf .	True	
Contdinerf dre not brogen or ledgin' .	True	
OdmSle collection vdteAimef dre Sroyivev.	True	
PSSroSridte f dmSle contdinerf dre uf ev.	True	
OdmSle bottlef dre comSletelh killev.	True	
OdmSle Vref erydtion qerikiev	True	
Twere if f ukkicient yol. kor dll reMuef tev dndlhf ef , incl. dnh reMuef tev < OA< OHf	True	
q F P f dmSle yidlf vo not wdye wedvf Sdce or bubble if (6mm 1R4") in vidmeter.	True	
Iknecef f drh, f tdkkwdye been inkormev okdnh f wort wolv time or Muicg TPT neevf	True	
< ultiSwdf ic f dmSlef dre not Sref ent.	True	
OdmSlef vo not reMuire f Slittin' or comSof itin' .	True	
OdmSlin' ComSdnh Sroyivev.	True	TTL
OdmSlef receiyev s itwin 48 wourf okf dmSlin' .	True	
OdmSlef reMuirin' kielv kiltrdtion wdye been kilterev in twe kielv.	NAP	
Cwlorine a ef ivudl cwecgev.	NAP	

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information

Client Contact: Ms. Shannon McDonald
Company: TTL, Inc.
Address: 4154 Lomac Street
City: Montgomery
State, Zip: AL, 36106
Phone: 334-244-0766(Tel)
Email: smcdonald@ttlusa.com
Project Name: TTL, Inc. - Syracuse, NY Sites
Site: Magna

Sampler: SHM
Phone: 334-850-1487
Due Date Requested:
TAT Requested (days):
PO #: Purchase Order Requested
WO #:
Project #: 48006637
SSOW#:

Lab PM: Schove, John
E-Mail: john.schove@testamericainc.com
Carrier Tracking No(s):
COC No: 480-28825-7536.8
Page: Page 8 of 12
Job #: 600212-024

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	6010B, 7471A	8260B - TCL list OLM04.2	6010B, 7470A	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	A	D		
PH-1	11/5/12	11:30	G	Water				✓	✓	✓	✓		(VOC, SVOC, total
PH-2	↓	12:15	G	Water				✓	✓	✓	✓		& diss. metals)
PH-3	↓	1:30	G	Water				✓	✓	✓	✓		
PH-4	↓	2:30	G	Water				✓	✓	✓	✓		
PH-6	↓	4:50	G	Water				✓	✓	✓	✓		
				Water									
				Water									
				Water									
				Water									
				Water									
				Water									

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
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - ph 4-5
Z - other (specify)

Other:

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Shannon McDonald	11/5/12 17:00	TTL	[illegible]	11-5-12 17	UV
R English	11-05-12, 19:00	SyR	[illegible]	11/6/12 0815	TCL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 3.0, 2.7, 2.5 BY

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information

Client Contact: Ms. Shannon McDonald
Company: TTL, Inc.
Address: 4154 Lomac Street
City: Montgomery
State, Zip: AL, 36106
Phone: 334-244-0766(Tel)
Email: smcdonald@ttlusa.com
Project Name: TTL, Inc. - Syracuse, NY Sites
Site: Magna

Sampler: SHM
Phone: 334-850-1487

Due Date Requested:
TAT Requested (days):
PO #: Purchase Order Requested
WO #:
Project #: 48006637
SSOW#:

Lab PM: Schove, John
E-Mail: john.schove@testamericainc.com

Carrier Tracking No(s):

COC No: 480-28825-7536.9
Page: Page 9 of 12
Job #: 6009 12-024

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	6010B, 7471A	8260B - TCL list OLM04.2	6010B, 7470A	6010 7470	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	N	N	A	D	N		
PH-5	11/6/12	7:25a		Water				✓		✓	✓	✓	1	
PH-7	11/6/12	12:25p		Water				✓		✓	✓	✓	1	
				Water										
				Water										
				Water										
				Water										
				Water										
				Water										
				Water										
				Water										
				Water										
				Water										

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
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - ph 4-5
Z - other (specify)

Other:

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Shannon M McDonald	11/6/12 5:35p	TTL, Inc.	R English	11/6/12, 17:35	SAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

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: 480-28095-2
Client Project/Site: Magna Site

For:
TTL, Inc.
4154 Lomac Street
Montgomery, Alabama 36106

Attn: Ms. Shannon McDonald

Authorized for release by:
11/26/2012 8:58:02 AM

John Schove
Project Manager I
john.schove@testamericainc.com

LINKS

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

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

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
*	LCS or LCSD exceeds the control limits
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
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.

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)

Job ID: 480-28095-2

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-28095-2

Comments
No additional comments.

Receipt
The samples were received on 11/8/2012 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.7º C and 3.1º C.

GC/MS VOA
Method(s) 8260B: The following samples submitted for volatiles analysis were received with insufficient preservation (pH >2): PH-26 (480-28095-17), PH-27 (480-28095-8).

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: The following samples contained one acid and/or one base surrogate outside acceptance limits: PH-27 (480-28095-8). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270C: The laboratory control sample (LCS) for preparation batch 90641 exceeded control limits for multiple analytes. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8270C: The following samples were diluted due tothe nature of the sample matrix: PH-26 (480-28095-17). As such, surrogate recoveries were reduced to a level in which they do not provide useful information. Elevated reporting limits (RLs) are provided.

Method(s) 8270C: The following compound was outside control limits in the continuing calibration verification (CCV) associated with batch 90929: Bis(2-ethylhexyl) phthalate. This compound is not classified as a Calibration Check Compound (CCC) in the reference method. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for four analytes to be outside limits; therefore, the data have been reported.

No other analytical or quality issues were noted.

Metals
Method(s) 6010B: The Serial Dilution (480-28095-16 SD) in batch 480-90319, exhibited results outside the quality control limits for dissolved barium. However, the Post Digestion Spike was compliant so no corrective action was necessary.

Method(s) 6010B: The Continuing Calibration Blank (CCB 480-90801/32) contained dissolved barium above the reporting limit (RL). The associated sample(s) PH-26 (480-28095-17) contained detects for this analyte at concentrations greater than 10X the value found in the Continuing Calibration Blank; therefore, re-analysis of samples was not performed.

Method(s) 6010B: The following sample was diluted due to the presence of iron which interferes with total silver and lead:PH-27 (480-28095-8). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Organic Prep
Method(s) 3510C: Due to the matrix, the following sample could not be concentrated to the final method required volume: PH-26 (480-28095-17). The reporting limits (RLs) are elevated proportionately.

Method(s) 3510C: Due to the matrix, the initial volume used for the following sample deviated from the standard procedure: PH-26 (480-28095-17). The reporting limits (RLs) have been adjusted proportionately.

Method(s) 3510C: A significant amount of sediment was present in the following samples: PH-17 (480-28095-16), PH-27 (480-28095-8).

Job ID: 480-28095-2 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

These samples were decanted prior to preparation.

No other analytical or quality issues were noted.

Detection Summary

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28095-2

Client Sample ID: PH-27 — Lab Sample ID: 480-28095-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.3		0.010	0.0056	mg/L	1		6010B	Total/NA
Barium	6.8		0.0020	0.00070	mg/L	1		6010B	Total/NA
Cadmium	0.010		0.0010	0.00050	mg/L	1		6010B	Total/NA
Chromium	1.1		0.0040	0.0010	mg/L	1		6010B	Total/NA
Lead	3.0		0.025	0.015	mg/L	5		6010B	Total/NA
Selenium	0.020		0.015	0.0087	mg/L	1		6010B	Total/NA
Arsenic	0.023		0.010	0.0056	mg/L	1		6010B	Dissolved
Barium	0.14		0.0020	0.00070	mg/L	1		6010B	Dissolved
Mercury	0.0016		0.00020	0.00012	mg/L	1		7470A	Total/NA

Client Sample ID: PH-17 — Lab Sample ID: 480-28095-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.6	J	10	3.0	ug/L	1		8260B	Total/NA
Carbon disulfide	3.1		1.0	0.19	ug/L	1		8260B	Total/NA
Arsenic	0.043		0.010	0.0056	mg/L	1		6010B	Total/NA
Barium	1.4		0.0020	0.00070	mg/L	1		6010B	Total/NA
Cadmium	0.011		0.0010	0.00050	mg/L	1		6010B	Total/NA
Chromium	0.41		0.0040	0.0010	mg/L	1		6010B	Total/NA
Lead	0.48		0.0050	0.0030	mg/L	1		6010B	Total/NA
Silver	0.0021	J	0.0030	0.0017	mg/L	1		6010B	Total/NA
Barium	0.059		0.0020	0.00070	mg/L	1		6010B	Dissolved
Chromium	0.0041		0.0040	0.0010	mg/L	1		6010B	Dissolved
Mercury	0.00021		0.00020	0.00012	mg/L	1		7470A	Total/NA

Client Sample ID: PH-26 — Lab Sample ID: 480-28095-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	0.48	J	1.0	0.41	ug/L	1		8260B	Total/NA
2-Hexanone	2.2	J	5.0	1.2	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	8.9	J	10	1.3	ug/L	1		8260B	Total/NA
4-Methyl-2-pentanone (MIBK)	3.5	J	5.0	2.1	ug/L	1		8260B	Total/NA
Acetone	62		10	3.0	ug/L	1		8260B	Total/NA
Carbon disulfide	3.4		1.0	0.19	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	5.3		1.0	0.81	ug/L	1		8260B	Total/NA
Methyl acetate	8.2		1.0	0.50	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.3		1.0	0.36	ug/L	1		8260B	Total/NA
Trichloroethene	1.0		1.0	0.46	ug/L	1		8260B	Total/NA
Xylenes, Total	2.2		2.0	0.66	ug/L	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	8300		6000	2200	ug/L	20		8270C	Total/NA
Arsenic	0.12		0.010	0.0056	mg/L	1		6010B	Total/NA
Barium	1.5		0.0020	0.00070	mg/L	1		6010B	Total/NA
Cadmium	0.0020		0.0010	0.00050	mg/L	1		6010B	Total/NA
Chromium	0.17		0.0040	0.0010	mg/L	1		6010B	Total/NA
Lead	0.11		0.0050	0.0030	mg/L	1		6010B	Total/NA
Arsenic	0.0071	J	0.010	0.0056	mg/L	1		6010B	Dissolved
Barium	0.89	^	0.0020	0.00070	mg/L	1		6010B	Dissolved

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28076-2

Client Sample ID: PH-27

Date Collected: 11/07/12 17:25
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	5	1.0	0.82	3g/L			11/20/12 0U:29	1
1,1,2,2-Tetrachloroethane	1.0	5	1.0	0.21	3g/L			11/20/12 0U:29	1
1,1,2-Trichloroethane	1.0	5	1.0	0.2U	3g/L			11/20/12 0U:29	1
1,1,2-Trichloro-1,2,2-triu3oroethane	1.0	5	1.0	0.U1	3g/L			11/20/12 0U:29	1
1,1-Dichloroethane	1.0	5	1.0	0.U8	3g/L			11/20/12 0U:29	1
1,1-Dichloroethene	1.0	5	1.0	0.27	3g/L			11/20/12 0U:29	1
1,2,4-TrichlorobenKene	1.0	5	1.0	0.41	3g/L			11/20/12 0U:29	1
1,2-Dibromo-U-Chlorof rof ane	1.0	5	1.0	0.U7	3g/L			11/20/12 0U:29	1
1,2-Dibromoethane	1.0	5	1.0	0.9U	3g/L			11/20/12 0U:29	1
1,2-DichlorobenKene	1.0	5	1.0	0.97	3g/L			11/20/12 0U:29	1
1,2-Dichloroethane	1.0	5	1.0	0.21	3g/L			11/20/12 0U:29	1
1,2-Dichlorof rof ane	1.0	5	1.0	0.92	3g/L			11/20/12 0U:29	1
1,U-DichlorobenKene	1.0	5	1.0	0.98	3g/L			11/20/12 0U:29	1
1,4-DichlorobenKene	1.0	5	1.0	0.84	3g/L			11/20/12 0U:29	1
2-z epanone	6.0	5	6.0	1.2	3g/L			11/20/12 0U:29	1
2-H3tanone xMB(E	10	5	10	1.U	3g/L			11/20/12 0U:29	1
4-Meth) l-2-f entanone xMIH(E	6.0	5	6.0	2.1	3g/L			11/20/12 0U:29	1
Acetone	10	5	10	U.0	3g/L			11/20/12 0U:29	1
HenKene	1.0	5	1.0	0.41	3g/L			11/20/12 0U:29	1
Hromoyichloromethane	1.0	5	1.0	0.U7	3g/L			11/20/12 0U:29	1
Hromouorm	1.0	5	1.0	0.2d	3g/L			11/20/12 0U:29	1
Hromomethane	1.0	5	1.0	0.d7	3g/L			11/20/12 0U:29	1
Carbon yis3luiye	1.0	5	1.0	0.17	3g/L			11/20/12 0U:29	1
Carbon tetrachloriye	1.0	5	1.0	0.29	3g/L			11/20/12 0U:29	1
ChlorobenKene	1.0	5	1.0	0.96	3g/L			11/20/12 0U:29	1
Dibromochloromethane	1.0	5	1.0	0.U2	3g/L			11/20/12 0U:29	1
Chloroethane	1.0	5	1.0	0.U2	3g/L			11/20/12 0U:29	1
Chlorouorm	1.0	5	1.0	0.U4	3g/L			11/20/12 0U:29	1
Chloromethane	1.0	5	1.0	0.U6	3g/L			11/20/12 0U:29	1
cis-1,2-Dichloroethene	1.0	5	1.0	0.81	3g/L			11/20/12 0U:29	1
cis-1,U-Dichlorof rof ene	1.0	5	1.0	0.Ud	3g/L			11/20/12 0U:29	1
C) clohepane	1.0	5	1.0	0.18	3g/L			11/20/12 0U:29	1
Dichloroyiu3oromethane	1.0	5	1.0	0.d8	3g/L			11/20/12 0U:29	1
Bth) lbenKene	1.0	5	1.0	0.94	3g/L			11/20/12 0U:29	1
Isof rof) lbenKene	1.0	5	1.0	0.97	3g/L			11/20/12 0U:29	1
Meth) l acetate	1.0	5	1.0	0.60	3g/L			11/20/12 0U:29	1
Meth) l tert-b3t) l ether	1.0	5	1.0	0.1d	3g/L			11/20/12 0U:29	1
Meth) lc) clohepane	1.0	5	1.0	0.1d	3g/L			11/20/12 0U:29	1
Meth) lene Chloriye	1.0	5	1.0	0.44	3g/L			11/20/12 0U:29	1
St) rene	1.0	5	1.0	0.9U	3g/L			11/20/12 0U:29	1
Tetrachloroethene	1.0	5	1.0	0.Ud	3g/L			11/20/12 0U:29	1
Tol3ene	1.0	5	1.0	0.61	3g/L			11/20/12 0U:29	1
trans-1,2-Dichloroethene	1.0	5	1.0	0.70	3g/L			11/20/12 0U:29	1
trans-1,U-Dichlorof rof ene	1.0	5	1.0	0.U9	3g/L			11/20/12 0U:29	1
Trichloroethene	1.0	5	1.0	0.4d	3g/L			11/20/12 0U:29	1
Trichlorou3oromethane	1.0	5	1.0	0.88	3g/L			11/20/12 0U:29	1
Vin) l chloriye	1.0	5	1.0	0.70	3g/L			11/20/12 0U:29	1
X) lenes, Total	2.0	5	2.0	0.dd	3g/L			11/20/12 0U:29	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28076-2

Client Sample ID: PH-27

Date Collected: 11/07/12 17:25
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-8

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*		*11/20/12 03:27*	*1*
Toluene-d8 (Surr)	*104*		*71 - 126*		*11/20/12 03:27*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*11/20/12 03:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hif hen) l	6.d	5	6.d	0.9U	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
bis x2-chloroisof rof) lEether	6.d	5	6.d	0.68	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
2,4,6-Trichlorof henol	6.d	5	6.d	0.64	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
2,4,d-Trichlorof henol	6.d	5	6.d	0.d7	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
2,4-Dichlorof henol	6.d	5	6.d	0.69	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
2,4-Dimeth) lf henol	6.d	5	6.d	0.6d	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
2,4-Dinitrof henol	11	5	11	2.6	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
2,4-Dinitrotol3ene	6.d	5	6.d	0.60	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
2,d-Dinitrotol3ene	6.d	5	6.d	0.46	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
2-Chloronaf hthalene	6.d	5	6.d	0.62	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
2-Chlorof henol	6.d	5	6.d	0.d0	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
2-Meth) lnaf hthalene	6.d	5	6.d	0.d9	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
2-Meth) lf henol	6.d	5	6.d	0.46	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
2-Nitroaniline	11	5	11	0.49	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
2-Nitrof henol	6.d	5	6.d	0.64	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
U,U-DichlorobenKiyine	6.d	5	6.d	0.46	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
U-Nitroaniline	11	5	11	0.64	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
4,d-Dinitro-2-meth) lf henol	11	5	11	2.6	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
4-Hromof hen) l f hen) l ether	6.d	5	6.d	0.61	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
4-Chloro-U-meth) lf henol	6.d	5 F	6.d	0.61	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
4-Chloroaniline	6.d	5	6.d	0.dd	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
4-Chlorof hen) l f hen) l ether	6.d	5	6.d	0.U7	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
4-Meth) lf henol	11	5	11	0.40	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
4-Nitroaniline	11	5	11	0.28	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
4-Nitrof henol	11	5	11	1.9	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
Acenaf hthene	6.d	5	6.d	0.4d	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
Acenaf hth) lene	6.d	5	6.d	0.4U	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
Acetof henone	6.d	5	6.d	0.d1	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
Anthracene	6.d	5	6.d	0.U1	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
AtraKine	6.d	5	6.d	0.62	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
HenKalyeh) ye	6.d	5	6.d	0.U0	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
HenKoxaEanthracene	6.d	5	6.d	0.40	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
HenKoxaEf) rene	6.d	5	6.d	0.6U	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
HenKoxbEU3oranthene	6.d	5 F	6.d	0.U8	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
HenKoxg,h,iEf er) lene	6.d	5	6.d	0.U7	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
HenKoxvEU3oranthene	6.d	5	6.d	0.82	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
Hisx2-chloroethop) Emethane	6.d	5	6.d	0.U7	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
Hisx2-chloroeth) lEether	6.d	5	6.d	0.46	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
Hisx2-eth) lhep) lEf hthalate	6.d	5	6.d	2.0	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
H3t) l benK) l f hthalate	6.d	5	6.d	0.49	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
Caf rolactam	6.d	5	6.d	2.6	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
CarbaKole	6.d	5	6.d	0.U4	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
Chr) sene	6.d	5	6.d	0.U9	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
Di-n-b3t) l f hthalate	6.d	5	6.d	0.U6	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28076-2

Client Sample ID: PH-27

Date Collected: 11/07/12 17:25
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-oct) l f hthalate	6.d	5	6.d	0.6U	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
DibenKa,hEanthracene	6.d	5	6.d	0.49	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
DibenKou8ran	11	5	11	0.69	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
Dieth) l f hthalate	6.d	5	6.d	0.26	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
Dimeth) l f hthalate	6.d	5	6.d	0.40	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
kl3oranthene	6.d	5	6.d	0.46	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
kl3orene	6.d	5	6.d	0.40	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
z epachlorobenKene	6.d	5 F	6.d	0.69	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
z epachlorob3tayiene	6.d	5	6.d	0.9d	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
z epachloroc) clof entayiene	6.d	5	6.d	0.dd	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
z epachloroethane	6.d	5	6.d	0.dd	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
Inyenox1,2,U-cyEf) rene	6.d	5	6.d	0.6U	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
Isof horone	6.d	5	6.d	0.48	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
N-Nitrosoyi-n-f rof) lamine	6.d	5	6.d	0.d1	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
N-Nitrosoyif hen) lamine	6.d	5	6.d	0.69	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
Naf hthalene	6.d	5	6.d	0.86	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
NitrobenKene	6.d	5	6.d	0.UU	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
Pentachlorof henol	11	5	11	2.6	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
Phenanthrene	6.d	5	6.d	0.47	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
Phenol	6.d	5	6.d	0.44	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1
P) rene	6.d	5	6.d	0.U8	3g/L		11/1U/12 14:0d	11/16/12 01:U9	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*130*		*52 - 132*	*11/13/12 14:06*	*11/15/12 01:37*	*1*
2-Fluorobiphenyl	*106*		*48 - 120*	*11/13/12 14:06*	*11/15/12 01:37*	*1*
2-Fluorophenol	*57*		*20 - 120*	*11/13/12 14:06*	*11/15/12 01:37*	*1*
Nitrobenzene-d5	*110*		*46 - 120*	*11/13/12 14:06*	*11/15/12 01:37*	*1*
p-Terphenyl-d14	*64*	*X*	*67 - 150*	*11/13/12 14:06*	*11/15/12 01:37*	*1*
Phenol-d5	*43*		*16 - 120*	*11/13/12 14:06*	*11/15/12 01:37*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.3**		0.010	0.006d	mg/L		11/07/12 12:16	11/10/12 21:28	1
Barium	**6.8**		0.0020	0.00090	mg/L		11/07/12 12:16	11/10/12 21:28	1
Cadmium	**0.010**		0.0010	0.00060	mg/L		11/07/12 12:16	11/10/12 21:28	1
Chromium	**1.1**		0.0040	0.0010	mg/L		11/07/12 12:16	11/10/12 21:28	1
Lead	**3.0**		0.026	0.016	mg/L		11/07/12 12:16	11/2U/12 16:U2	6
Selenium	**0.020**		0.016	0.0089	mg/L		11/07/12 12:16	11/10/12 21:28	1
Sil*er	0.016	5	0.016	0.0086	mg/L		11/07/12 12:16	11/2U/12 16:U2	6

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.023**		0.010	0.006d	mg/L		11/1U/1U 09:60	11/1U/12 20:62	1
Barium	**0.14**		0.0020	0.00090	mg/L		11/1U/1U 09:60	11/1U/12 20:62	1
Caymi3m	0.0010	5	0.0010	0.00060	mg/L		11/1U/1U 09:60	11/1U/12 20:62	1
Chromi3m	0.0040	5	0.0040	0.0010	mg/L		11/1U/1U 09:60	11/1U/12 20:62	1
Leay	0.0060	5	0.0060	0.00U0	mg/L		11/1U/1U 09:60	11/1U/12 20:62	1
Seleni3m	0.016	5	0.016	0.0089	mg/L		11/1U/1U 09:60	11/1U/12 20:62	1
Sil*er	0.00U0	5	0.00U0	0.0019	mg/L		11/1U/1U 09:60	11/1U/12 20:62	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28076-2

Client Sample ID: PH-27

Date Collected: 11/07/12 17:25
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-8

Matrix: Water

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0016**		0.00020	0.00012	mg/L		11/07/12 14:07	11/07/12 18:16	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Merc3r)	0.00020	5	0.00020	0.00012	mg/L		11/1U/12 07:20	11/1U/12 16:49	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28076-2

Client Sample ID: PH-17

Date Collected: 11/07/12 20:20
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	5	1.0	0.82	3g/L			11/20/12 0U:48	1
1,1,2,2-Tetrachloroethane	1.0	5	1.0	0.21	3g/L			11/20/12 0U:48	1
1,1,2-Trichloroethane	1.0	5	1.0	0.2U	3g/L			11/20/12 0U:48	1
1,1,2-Trichloro-1,2,2-triu3oroethane	1.0	5	1.0	0.U1	3g/L			11/20/12 0U:48	1
1,1-Dichloroethane	1.0	5	1.0	0.U8	3g/L			11/20/12 0U:48	1
1,1-Dichloroethene	1.0	5	1.0	0.27	3g/L			11/20/12 0U:48	1
1,2,4-TrichlorobenKene	1.0	5	1.0	0.41	3g/L			11/20/12 0U:48	1
1,2-Dibromo-U-Chlorof rof ane	1.0	5	1.0	0.U7	3g/L			11/20/12 0U:48	1
1,2-Dibromoethane	1.0	5	1.0	0.9U	3g/L			11/20/12 0U:48	1
1,2-DichlorobenKene	1.0	5	1.0	0.97	3g/L			11/20/12 0U:48	1
1,2-Dichloroethane	1.0	5	1.0	0.21	3g/L			11/20/12 0U:48	1
1,2-Dichlorof rof ane	1.0	5	1.0	0.92	3g/L			11/20/12 0U:48	1
1,U-DichlorobenKene	1.0	5	1.0	0.98	3g/L			11/20/12 0U:48	1
1,4-DichlorobenKene	1.0	5	1.0	0.84	3g/L			11/20/12 0U:48	1
2-z epanone	6.0	5	6.0	1.2	3g/L			11/20/12 0U:48	1
2-H3tanone xMB(E	10	5	10	1.U	3g/L			11/20/12 0U:48	1
4-Meth) l-2-f entanone xMIH(E	6.0	5	6.0	2.1	3g/L			11/20/12 0U:48	1
Acetone	**5.6**	**J**	10	U.0	3g/L			11/20/12 0U:48	1
HenKene	1.0	5	1.0	0.41	3g/L			11/20/12 0U:48	1
Hromoyichloromethane	1.0	5	1.0	0.U7	3g/L			11/20/12 0U:48	1
Hromouorm	1.0	5	1.0	0.2d	3g/L			11/20/12 0U:48	1
Hromomethane	1.0	5	1.0	0.d7	3g/L			11/20/12 0U:48	1
Carbon disulfide	**3.1**		1.0	0.17	3g/L			11/20/12 0U:48	1
Carbon tetrachloriye	1.0	5	1.0	0.29	3g/L			11/20/12 0U:48	1
ChlorobenKene	1.0	5	1.0	0.96	3g/L			11/20/12 0U:48	1
Dibromochloromethane	1.0	5	1.0	0.U2	3g/L			11/20/12 0U:48	1
Chloroethane	1.0	5	1.0	0.U2	3g/L			11/20/12 0U:48	1
Chlorouorm	1.0	5	1.0	0.U4	3g/L			11/20/12 0U:48	1
Chloromethane	1.0	5	1.0	0.U6	3g/L			11/20/12 0U:48	1
cis-1,2-Dichloroethene	1.0	5	1.0	0.81	3g/L			11/20/12 0U:48	1
cis-1,U-Dichlorof rof ene	1.0	5	1.0	0.Ud	3g/L			11/20/12 0U:48	1
C) clohepane	1.0	5	1.0	0.18	3g/L			11/20/12 0U:48	1
Dichloroyiu3oromethane	1.0	5	1.0	0.d8	3g/L			11/20/12 0U:48	1
Bth) lbenKene	1.0	5	1.0	0.94	3g/L			11/20/12 0U:48	1
Isof rof) lbenKene	1.0	5	1.0	0.97	3g/L			11/20/12 0U:48	1
Meth) l acetate	1.0	5	1.0	0.60	3g/L			11/20/12 0U:48	1
Meth) l tert-b3t) l ether	1.0	5	1.0	0.1d	3g/L			11/20/12 0U:48	1
Meth) lc) clohepane	1.0	5	1.0	0.1d	3g/L			11/20/12 0U:48	1
Meth) lene Chloriye	1.0	5	1.0	0.44	3g/L			11/20/12 0U:48	1
St) rene	1.0	5	1.0	0.9U	3g/L			11/20/12 0U:48	1
Tetrachloroethene	1.0	5	1.0	0.Ud	3g/L			11/20/12 0U:48	1
Tol3ene	1.0	5	1.0	0.61	3g/L			11/20/12 0U:48	1
trans-1,2-Dichloroethene	1.0	5	1.0	0.70	3g/L			11/20/12 0U:48	1
trans-1,U-Dichlorof rof ene	1.0	5	1.0	0.U9	3g/L			11/20/12 0U:48	1
Trichloroethene	1.0	5	1.0	0.4d	3g/L			11/20/12 0U:48	1
Trichlorou3oromethane	1.0	5	1.0	0.88	3g/L			11/20/12 0U:48	1
Vin) l chloriye	1.0	5	1.0	0.70	3g/L			11/20/12 0U:48	1
X) lenes, Total	2.0	5	2.0	0.dd	3g/L			11/20/12 0U:48	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28076-2

Client Sample ID: PH-17

Date Collected: 11/07/12 20:20
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-16

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*11/20/12 03:48*	*1*
Toluene-d8 (Surr)	*108*		*71 - 126*		*11/20/12 03:48*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*11/20/12 03:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hif hen) l	4.7	5	4.7	0.d4	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
bis x2-chloroisof rof) lEether	4.7	5	4.7	0.61	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
2,4,6-Trichlorof henol	4.7	5	4.7	0.49	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
2,4,d-Trichlorof henol	4.7	5	4.7	0.67	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
2,4-Dichlorof henol	4.7	5	4.7	0.60	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
2,4-Dimeth) lf henol	4.7	5	4.7	0.47	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
2,4-Dinitrof henol	7.9	5	7.9	2.2	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
2,4-Dinitrotol3ene	4.7	5	4.7	0.44	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
2,d-Dinitrotol3ene	4.7	5	4.7	0.U7	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
2-Chloronaf hthalene	4.7	5	4.7	0.46	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
2-Chlorof henol	4.7	5	4.7	0.62	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
2-Meth) lnaf hthalene	4.7	5	4.7	0.68	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
2-Meth) lf henol	4.7	5	4.7	0.U7	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
2-Nitroaniline	7.9	5	7.9	0.41	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
2-Nitrof henol	4.7	5	4.7	0.49	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
U,U-DichlorobenKiyine	4.7	5	4.7	0.U7	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
U-Nitroaniline	7.9	5	7.9	0.49	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
4,d-Dinitro-2-meth) lf henol	7.9	5	7.9	2.1	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
4-Hromof hen) l f hen) l ether	4.7	5	4.7	0.44	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
4-Chloro-U-meth) lf henol	4.7	5 F	4.7	0.44	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
4-Chloroaniline	4.7	5	4.7	0.69	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
4-Chlorof hen) l f hen) l ether	4.7	5	4.7	0.U4	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
4-Meth) lf henol	7.9	5	7.9	0.U6	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
4-Nitroaniline	7.9	5	7.9	0.24	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
4-Nitrof henol	7.9	5	7.9	1.6	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
Acenaf hthene	4.7	5	4.7	0.40	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
Acenaf hth) lene	4.7	5	4.7	0.U9	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
Acetof henone	4.7	5	4.7	0.6U	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
Anthracene	4.7	5	4.7	0.29	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
AtraKine	4.7	5	4.7	0.46	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
HenKalyeh) ye	4.7	5	4.7	0.2d	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
HenKoxaEanthracene	4.7	5	4.7	0.U6	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
HenKoxaEf) rene	4.7	5	4.7	0.4d	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
HenKoxbEU3oranthene	4.7	5 F	4.7	0.UU	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
HenKoxg,h,iEf er) lene	4.7	5	4.7	0.U4	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
HenKoxvEU3oranthene	4.7	5	4.7	0.91	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
Hisx2-chloroethop) Emethane	4.7	5	4.7	0.U4	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
Hisx2-chloroeth) lEether	4.7	5	4.7	0.U7	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
Hisx2-eth) lhep) lEf hthalate	4.7	5	4.7	1.8	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
H3t) l benK) l f hthalate	4.7	5	4.7	0.41	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
Caf rolactam	4.7	5	4.7	2.1	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
CarbaKole	4.7	5	4.7	0.27	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
Chr) sene	4.7	5	4.7	0.U2	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
Di-n-b3t) l f hthalate	4.7	5	4.7	0.U0	3g/L		11/1U/12 14:0d	11/16/12 04:12	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28076-2

Client Sample ID: PH-17

Date Collected: 11/07/12 20:20
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-oct) l f hthalate	4.7	5	4.7	0.4d	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
DibenKa,hEanthracene	4.7	5	4.7	0.41	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
DibenKou8ran	7.9	5	7.9	0.60	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
Dieth) l f hthalate	4.7	5	4.7	0.21	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
Dimeth) l f hthalate	4.7	5	4.7	0.U6	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
kl3oranthene	4.7	5	4.7	0.U7	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
kl3orene	4.7	5	4.7	0.U6	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
z epachlorobenKene	4.7	5 F	4.7	0.60	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
z epachlorob3tayiene	4.7	5	4.7	0.dd	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
z epachloroc) clof entayiene	4.7	5	4.7	0.69	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
z epachloroethane	4.7	5	4.7	0.69	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
Inyenox1,2,U-cyEf) rene	4.7	5	4.7	0.4d	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
Isof horone	4.7	5	4.7	0.42	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
N-Nitrosoyi-n-f rof) lamine	4.7	5	4.7	0.6U	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
N-Nitrosoyif hen) lamine	4.7	5	4.7	0.60	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
Naf hthalene	4.7	5	4.7	0.94	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
NitrobenKene	4.7	5	4.7	0.28	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
Pentachlorof henol	7.9	5	7.9	2.1	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
Phenanthrene	4.7	5	4.7	0.4U	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
Phenol	4.7	5	4.7	0.U8	3g/L		11/1U/12 14:0d	11/16/12 04:12	1
P) rene	4.7	5	4.7	0.UU	3g/L		11/1U/12 14:0d	11/16/12 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*116*		*52 - 132*	*11/13/12 14:06*	*11/15/12 04:12*	*1*
2-Fluorobiphenyl	*90*		*48 - 120*	*11/13/12 14:06*	*11/15/12 04:12*	*1*
2-Fluorophenol	*45*		*20 - 120*	*11/13/12 14:06*	*11/15/12 04:12*	*1*
Nitrobenzene-d5	*90*		*46 - 120*	*11/13/12 14:06*	*11/15/12 04:12*	*1*
p-Terphenyl-d14	*88*		*67 - 150*	*11/13/12 14:06*	*11/15/12 04:12*	*1*
Phenol-d5	*34*		*16 - 120*	*11/13/12 14:06*	*11/15/12 04:12*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.043**		0.010	0.006d	mg/L		11/07/12 12:16	11/10/12 21:U9	1
Barium	**1.4**		0.0020	0.00090	mg/L		11/07/12 12:16	11/10/12 21:U9	1
Cadmium	**0.011**		0.0010	0.00060	mg/L		11/07/12 12:16	11/10/12 21:U9	1
Chromium	**0.41**		0.0040	0.0010	mg/L		11/07/12 12:16	11/10/12 21:U9	1
Lead	**0.48**		0.0060	0.00U0	mg/L		11/07/12 12:16	11/10/12 21:U9	1
Seleni3m	0.016	5	0.016	0.0089	mg/L		11/07/12 12:16	11/10/12 21:U9	1
Silver	**0.0021**	**J**	0.00U0	0.0019	mg/L		11/07/12 12:16	11/10/12 21:U9	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	5	0.010	0.006d	mg/L		11/1U/1U 09:60	11/1U/12 20:66	1
Barium	**0.059**		0.0020	0.00090	mg/L		11/1U/1U 09:60	11/1U/12 20:66	1
Caymi3m	0.0010	5	0.0010	0.00060	mg/L		11/1U/1U 09:60	11/1U/12 20:66	1
Chromium	**0.0041**		0.0040	0.0010	mg/L		11/1U/1U 09:60	11/1U/12 20:66	1
Leay	0.0060	5	0.0060	0.00U0	mg/L		11/1U/1U 09:60	11/1U/12 20:66	1
Seleni3m	0.016	5	0.016	0.0089	mg/L		11/1U/1U 09:60	11/1U/12 20:66	1
Sil*er	0.00U0	5	0.00U0	0.0019	mg/L		11/1U/1U 09:60	11/1U/12 20:66	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28076-2

Client Sample ID: PH-17

Date Collected: 11/07/12 20:20
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-16

Matrix: Water

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00021**		0.00020	0.00012	mg/L		11/07/12 14:07	11/07/12 18:19	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Merc3r)	0.00020	5	0.00020	0.00012	mg/L		11/1U/12 07:20	11/1U/12 16:47	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28076-2

Client Sample ID: PH-26

Lab Sample ID: 480-28095-17

Date Collected: 11/07/12 15:55

Matrix: Water

Date Received: 11/08/12 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	5	1.0	0.82	3g/L			11/20/12 04:10	1
1,1,2,2-Tetrachloroethane	1.0	5	1.0	0.21	3g/L			11/20/12 04:10	1
1,1,2-Trichloroethane	1.0	5	1.0	0.2U	3g/L			11/20/12 04:10	1
1,1,2-Trichloro-1,2,2-triu3oroethane	1.0	5	1.0	0.U1	3g/L			11/20/12 04:10	1
1,1-Dichloroethane	1.0	5	1.0	0.U8	3g/L			11/20/12 04:10	1
1,1-Dichloroethene	1.0	5	1.0	0.27	3g/L			11/20/12 04:10	1
1,2,4-Trichlorobenzene	**0.48**	**J**	1.0	0.41	3g/L			11/20/12 04:10	1
1,2-Dibromo-U-Chlorof rof ane	1.0	5	1.0	0.U7	3g/L			11/20/12 04:10	1
1,2-Dibromoethane	1.0	5	1.0	0.9U	3g/L			11/20/12 04:10	1
1,2-DichlorobenKene	1.0	5	1.0	0.97	3g/L			11/20/12 04:10	1
1,2-Dichloroethane	1.0	5	1.0	0.21	3g/L			11/20/12 04:10	1
1,2-Dichlorof rof ane	1.0	5	1.0	0.92	3g/L			11/20/12 04:10	1
1,U-DichlorobenKene	1.0	5	1.0	0.98	3g/L			11/20/12 04:10	1
1,4-DichlorobenKene	1.0	5	1.0	0.84	3g/L			11/20/12 04:10	1
2-Hexanone	**2.2**	**J**	6.0	1.2	3g/L			11/20/12 04:10	1
2-Butanone (MEK)	**8.9**	**J**	10	1.U	3g/L			11/20/12 04:10	1
4-Methyl-2-pentanone (MIBK)	**3.5**	**J**	6.0	2.1	3g/L			11/20/12 04:10	1
Acetone	**62**		10	U.0	3g/L			11/20/12 04:10	1
HenKene	1.0	5	1.0	0.41	3g/L			11/20/12 04:10	1
Hromoyichloromethane	1.0	5	1.0	0.U7	3g/L			11/20/12 04:10	1
Hromouorm	1.0	5	1.0	0.2d	3g/L			11/20/12 04:10	1
Hromomethane	1.0	5	1.0	0.d7	3g/L			11/20/12 04:10	1
Carbon disulfide	**3.4**		1.0	0.17	3g/L			11/20/12 04:10	1
Carbon tetrachloriye	1.0	5	1.0	0.29	3g/L			11/20/12 04:10	1
ChlorobenKene	1.0	5	1.0	0.96	3g/L			11/20/12 04:10	1
Dibromochloromethane	1.0	5	1.0	0.U2	3g/L			11/20/12 04:10	1
Chloroethane	1.0	5	1.0	0.U2	3g/L			11/20/12 04:10	1
Chlorouorm	1.0	5	1.0	0.U4	3g/L			11/20/12 04:10	1
Chloromethane	1.0	5	1.0	0.U6	3g/L			11/20/12 04:10	1
cis-1,2-Dichloroethene	**5.3**		1.0	0.81	3g/L			11/20/12 04:10	1
cis-1,U-Dichlorof rof ene	1.0	5	1.0	0.Ud	3g/L			11/20/12 04:10	1
C) clohepane	1.0	5	1.0	0.18	3g/L			11/20/12 04:10	1
Dichloroyiu3oromethane	1.0	5	1.0	0.d8	3g/L			11/20/12 04:10	1
Bth) lbenKene	1.0	5	1.0	0.94	3g/L			11/20/12 04:10	1
Isof rof) lbenKene	1.0	5	1.0	0.97	3g/L			11/20/12 04:10	1
Methyl acetate	**8.2**		1.0	0.60	3g/L			11/20/12 04:10	1
Meth) l tert-b3t) l ether	1.0	5	1.0	0.1d	3g/L			11/20/12 04:10	1
Meth) lc) clohepane	1.0	5	1.0	0.1d	3g/L			11/20/12 04:10	1
Meth) lene Chloriye	1.0	5	1.0	0.44	3g/L			11/20/12 04:10	1
St) rene	1.0	5	1.0	0.9U	3g/L			11/20/12 04:10	1
Tetrachloroethene	**1.3**		1.0	0.Ud	3g/L			11/20/12 04:10	1
Tol3ene	1.0	5	1.0	0.61	3g/L			11/20/12 04:10	1
trans-1,2-Dichloroethene	1.0	5	1.0	0.70	3g/L			11/20/12 04:10	1
trans-1,U-Dichlorof rof ene	1.0	5	1.0	0.U9	3g/L			11/20/12 04:10	1
Trichloroethene	**1.0**		1.0	0.4d	3g/L			11/20/12 04:10	1
Trichlorou3oromethane	1.0	5	1.0	0.88	3g/L			11/20/12 04:10	1
Vin) l chloriye	1.0	5	1.0	0.70	3g/L			11/20/12 04:10	1
Xylenes, Total	**2.2**		2.0	0.dd	3g/L			11/20/12 04:10	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28076-2

Client Sample ID: PH-26

Date Collected: 11/07/12 15:55
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-17

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*11/20/12 04:10*	*1*
Toluene-d8 (Surr)	*108*		*71 - 126*		*11/20/12 04:10*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*11/20/12 04:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hif hen) l	d000	5	d000	980	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
bis x2-chloroisof rof) lEether	d000	5	d000	d20	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
2,4,6-Trichlorof henol	d000	5	d000	680	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
2,4,d-Trichlorof henol	d000	5	d000	9U0	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
2,4-Dichlorof henol	d000	5	d000	d10	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
2,4-Dimeth) lf henol	d000	5	d000	d00	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
2,4-Dinitrof henol	12000	5	12000	2900	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
2,4-Dinitrotol3ene	d000	5	d000	640	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
2,d-Dinitrotol3ene	d000	5	d000	480	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
2-Chloronaf hthalene	d000	5	d000	660	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
2-Chlorof henol	d000	5	d000	d40	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
2-Meth) lnaf hthalene	d000	5	d000	920	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
2-Meth) lf henol	d000	5	d000	480	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
2-Nitroaniline	12000	5	12000	600	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
2-Nitrof henol	d000	5	d000	680	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
U,U-DichlorobenKiyine	d000	5	d000	480	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
U-Nitroaniline	12000	5	12000	680	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
4,d-Dinitro-2-meth) lf henol	12000	5	12000	2d00	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
4-Hromof hen) l f hen) l ether	d000	5	d000	640	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
4-Chloro-U-meth) lf henol	d000	5 F	d000	640	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
4-Chloroaniline	d000	5	d000	910	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
4-Chlorof hen) l f hen) l ether	d000	5	d000	420	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
4-Meth) lf henol	12000	5	12000	4U0	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
4-Nitroaniline	12000	5	12000	U00	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
4-Nitrof henol	12000	5	12000	1800	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
Acenaf hthene	d000	5	d000	470	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
Acenaf hth) lene	d000	5	d000	4d0	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
Acetof henone	d000	5	d000	d60	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
Anthracene	d000	5	d000	U40	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
AtraKine	d000	5	d000	660	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
HenKalyeh) ye	d000	5	d000	U20	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
HenKoxaEanthracene	d000	5	d000	4U0	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
HenKoxaEf) rene	d000	5	d000	6d0	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
HenKoxbEU3oranthene	d000	5 F	d000	410	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
HenKoxg,h,iEf er) lene	d000	5	d000	420	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
HenKoxvEU3oranthene	d000	5	d000	880	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
Hisx2-chloroethop) Emethane	d000	5	d000	420	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
Hisx2-chloroeth) lEether	d000	5	d000	480	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
Bis(2-ethylhexyl) phthalate	**8300**		d000	2200	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
H3t) l benK) l f hthalate	d000	5	d000	600	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
Caf rolactam	d000	5	d000	2d00	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
CarbaKole	d000	5	d000	Ud0	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
Chr) sene	d000	5	d000	400	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
Di-n-b3t) l f hthalate	d000	5	d000	U90	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20

Client Sample ID: PH-26

Date Collected: 11/07/12 15:55
Date Received: 11/08/12 09:30

Lab Sample ID: 480-28095-17

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-oct) l f hthalate	d000	5	d000	6d0	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
DibenKa,hEanthracene	d000	5	d000	600	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
DibenKou8ran	12000	5	12000	d10	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
Dieth) l f hthalate	d000	5	d000	2d0	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
Dimeth) l f hthalate	d000	5	d000	4U0	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
kl3oranthene	d000	5	d000	480	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
kl3orene	d000	5	d000	4U0	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
z epachlorobenKene	d000	5 F	d000	d10	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
z epachlorob3tayiene	d000	5	d000	820	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
z epachloroc) clof entayiene	d000	5	d000	910	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
z epachloroethane	d000	5	d000	910	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
Inyenox1,2,U-cyEf) rene	d000	5	d000	6d0	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
Isof horone	d000	5	d000	620	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
N-Nitrosoyi-n-f rof) lamine	d000	5	d000	d60	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
N-Nitrosoyif hen) lamine	d000	5	d000	d10	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
Naf hthalene	d000	5	d000	710	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
NitrobenKene	d000	5	d000	U60	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
Pentachlorof henol	12000	5	12000	2d00	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
Phenanthrene	d000	5	d000	6U0	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
Phenol	d000	5	d000	490	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20
P) rene	d000	5	d000	410	3g/L		11/1U/12 14:0d	11/16/12 04:U6	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*X*	*52 - 132*	*11/13/12 14:06*	*11/15/12 04:35*	*20*
2-Fluorobiphenyl	*0*	*X*	*48 - 120*	*11/13/12 14:06*	*11/15/12 04:35*	*20*
2-Fluorophenol	*0*	*X*	*20 - 120*	*11/13/12 14:06*	*11/15/12 04:35*	*20*
Nitrobenzene-d5	*0*	*X*	*46 - 120*	*11/13/12 14:06*	*11/15/12 04:35*	*20*
p-Terphenyl-d14	*0*	*X*	*67 - 150*	*11/13/12 14:06*	*11/15/12 04:35*	*20*
Phenol-d5	*0*	*X*	*16 - 120*	*11/13/12 14:06*	*11/15/12 04:35*	*20*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.12**		0.010	0.006d	mg/L		11/07/12 12:16	11/10/12 21:40	1
Barium	**1.5**		0.0020	0.00090	mg/L		11/07/12 12:16	11/10/12 21:40	1
Cadmium	**0.0020**		0.0010	0.00060	mg/L		11/07/12 12:16	11/10/12 21:40	1
Chromium	**0.17**		0.0040	0.0010	mg/L		11/07/12 12:16	11/10/12 21:40	1
Lead	**0.11**		0.0060	0.00U0	mg/L		11/07/12 12:16	11/10/12 21:40	1
Seleni3m	0.016	5	0.016	0.0089	mg/L		11/07/12 12:16	11/10/12 21:40	1
Sil*er	0.00U0	5	0.00U0	0.0019	mg/L		11/07/12 12:16	11/10/12 21:40	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0071**	**J**	0.010	0.006d	mg/L		11/1U/1U 09:60	11/1U/12 21:11	1
Barium	**0.89**	**^**	0.0020	0.00090	mg/L		11/1U/1U 09:60	11/1U/12 21:11	1
Caymi3m	0.0010	5	0.0010	0.00060	mg/L		11/1U/1U 09:60	11/1U/12 21:11	1
Chromi3m	0.0040	5	0.0040	0.0010	mg/L		11/1U/1U 09:60	11/1U/12 21:11	1
Leay	0.0060	5	0.0060	0.00U0	mg/L		11/1U/1U 09:60	11/1U/12 21:11	1
Seleni3m	0.016	5	0.016	0.0089	mg/L		11/1U/1U 09:60	11/1U/12 21:11	1
Sil*er	0.00U0	5	0.00U0	0.0019	mg/L		11/1U/1U 09:60	11/1U/12 21:11	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28076-2

Client Sample ID: PH-26

Lab Sample ID: 480-28095-17

Date Collected: 11/07/12 15:55

Matrix: Water

Date Received: 11/08/12 09:30

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Merc3r)	0.00020	5	0.00020	0.00012	mg/L		11/07/12 14:07	11/07/12 18:17	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Merc3r)	0.00020	5	0.00020	0.00012	mg/L		11/1U/12 07:20	11/1U/12 16:61	1

Surrogate Summary

1 Qel t: TTnLII c,
. roPectj/ ite: S aM a / ite

TestAmerica Job ID: 480-28076-2

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		12DCE	TOL	BFB					
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)					
480-28076-8	. 9-2H	74	g04	g00					
480-28076-g5	. 9-gH	g02	g08	g06					
480-28076-gH	. 9-25	g04	g08	g0H					
n1/ 480-7g8H2j2H	nab 1 ol troC/ am3Qe	g06	g08	g08					
Sp 480-7g8H2j5	S etBoh p@l d	g06	g07	g0H					

Surrogate Legend

g2D1 k E gl2-DicB@roetBal e-h4 =/ (rru
T) n E To¢el e-h8 =/ (rru
pOp E 4-promoR¢orobel f el e =/ (rru

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP	FBP	2FP	NBZ	TPH	PHL		
Lab Sample ID	Client Sample ID	(52-132)	(48-120)	(20-120)	(46-120)	(67-150)	(16-120)		
480-28076-8	. 9-2H	gz0	g05	6H	gg0	54 X	4z		
480-28076-g5	. 9-gH	gg5	70	46	70	88	z4		
480-28076-gH	. 9-25	0 X	0 X	0 X	0 X	0 X	0 X		
n1/ 480-7054gj2-A	nab 1 ol troC/ am3Qe	g28	g0z	68	g07	ggg	44		
Sp 480-7054gjg-A	S etBoh p@l d	g2z	75	64	g02	g04	z7		

Surrogate Legend

Tp. E 2L4L5-Tribromo3Bel oC
Op. E 2-O¢orobi3Bel yC
2O. E 2-O¢oro3Bel oC
NpZ E Nitrobel f el e-h6
T. 9 E 3-Ter3Bel yOhg4
. 9 n E. Bel oOh6

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

Lab Sample ID: MB 480-958x2/6
MatriW P ater
F nalNsis Batch: 958x2

Client Sample ID: Method Blank
Trep yNpe: yotal/AF

F nalNte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	F nalNUed	Dil zac
1,1,1-Trichloroethane	1.0	5	1.0	0.82	3g/L			11/20/12 01:64	1
1,1,2,2-Tetrachloroethane	1.0	5	1.0	0.21	3g/L			11/20/12 01:64	1
1,1,2-Trichloroethane	1.0	5	1.0	0.2U	3g/L			11/20/12 01:64	1
1,1,2-Trichloro-1,2,2-tri93oroethane	1.0	5	1.0	0.U1	3g/L			11/20/12 01:64	1
1,1-Dichloroethane	1.0	5	1.0	0.U8	3g/L			11/20/12 01:64	1
1,1-Dichloroethene	1.0	5	1.0	0.27	3g/L			11/20/12 01:64	1
1,2,4-Trichlorobenuene	1.0	5	1.0	0.41	3g/L			11/20/12 01:64	1
1,2-Dibromo-U-ChloroKroKane	1.0	5	1.0	0.U7	3g/L			11/20/12 01:64	1
1,2-Dibromoethane	1.0	5	1.0	0.f U	3g/L			11/20/12 01:64	1
1,2-Dichlorobenuene	1.0	5	1.0	0.f 7	3g/L			11/20/12 01:64	1
1,2-Dichloroethane	1.0	5	1.0	0.21	3g/L			11/20/12 01:64	1
1,2-DichloroKroKane	1.0	5	1.0	0.f 2	3g/L			11/20/12 01:64	1
1,U-Dichlorobenuene	1.0	5	1.0	0.f 8	3g/L			11/20/12 01:64	1
1,4-Dichlorobenuene	1.0	5	1.0	0.84	3g/L			11/20/12 01:64	1
2-z epanone	6.0	5	6.0	1.2	3g/L			11/20/12 01:64	1
2-H3tanone xMB(E	10	5	10	1.U	3g/L			11/20/12 01:64	1
4-Meth)l-2-Kentanone xMIH(E	6.0	5	6.0	2.1	3g/L			11/20/12 01:64	1
Acetone	10	5	10	U.0	3g/L			11/20/12 01:64	1
Henuene	1.0	5	1.0	0.41	3g/L			11/20/12 01:64	1
Hromoyichloromethane	1.0	5	1.0	0.U7	3g/L			11/20/12 01:64	1
Hromo9orm	1.0	5	1.0	0.2d	3g/L			11/20/12 01:64	1
Hromomethane	1.0	5	1.0	0.d7	3g/L			11/20/12 01:64	1
Carbon yis3l9ye	1.0	5	1.0	0.17	3g/L			11/20/12 01:64	1
Carbon tetrachloriye	1.0	5	1.0	0.2f	3g/L			11/20/12 01:64	1
Chlorobenuene	1.0	5	1.0	0.f 6	3g/L			11/20/12 01:64	1
Dibromochloromethane	1.0	5	1.0	0.U2	3g/L			11/20/12 01:64	1
Chloroethane	1.0	5	1.0	0.U2	3g/L			11/20/12 01:64	1
Chloro9orm	1.0	5	1.0	0.U4	3g/L			11/20/12 01:64	1
Chloromethane	1.0	5	1.0	0.U6	3g/L			11/20/12 01:64	1
cis-1,2-Dichloroethene	1.0	5	1.0	0.81	3g/L			11/20/12 01:64	1
cis-1,U-DichloroKroKene	1.0	5	1.0	0.Ud	3g/L			11/20/12 01:64	1
C)clohepane	1.0	5	1.0	0.18	3g/L			11/20/12 01:64	1
Dichloroyi93oromethane	1.0	5	1.0	0.d8	3g/L			11/20/12 01:64	1
Bth)lbenuene	1.0	5	1.0	0.f 4	3g/L			11/20/12 01:64	1
IsoKroK)lbenuene	1.0	5	1.0	0.f 7	3g/L			11/20/12 01:64	1
Meth)l acetate	1.0	5	1.0	0.60	3g/L			11/20/12 01:64	1
Meth)l tert-b3t)l ether	1.0	5	1.0	0.1d	3g/L			11/20/12 01:64	1
Meth)lc)clohepane	1.0	5	1.0	0.1d	3g/L			11/20/12 01:64	1
Meth)lene Chloriye	1.0	5	1.0	0.44	3g/L			11/20/12 01:64	1
St)rene	1.0	5	1.0	0.f U	3g/L			11/20/12 01:64	1
Tetrachloroethene	1.0	5	1.0	0.Ud	3g/L			11/20/12 01:64	1
Tol3ene	1.0	5	1.0	0.61	3g/L			11/20/12 01:64	1
trans-1,2-Dichloroethene	1.0	5	1.0	0.70	3g/L			11/20/12 01:64	1
trans-1,U-DichloroKroKene	1.0	5	1.0	0.Uf	3g/L			11/20/12 01:64	1
Trichloroethene	1.0	5	1.0	0.4d	3g/L			11/20/12 01:64	1
Trichloro93oromethane	1.0	5	1.0	0.88	3g/L			11/20/12 01:64	1
Vin)l chloriye	1.0	5	1.0	0.70	3g/L			11/20/12 01:64	1
X)lenes, Total	2.0	5	2.0	0.dd	3g/L			11/20/12 01:64	1

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

Lab Sample ID: MB 480-958x2/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Trep yNpe: yotal/AF**
Fnalnsis Batch: 958x2

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		66 - 137		11/20/12 01:94	1
Toluene-dB (Surr)	108		71 - 126		11/20/12 01:94	1
4-mrof obluorozen5ene (Surr)	107		73 - 120		11/20/12 01:94	1

Lab Sample ID: LCS 480-958x2/2x — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Trep yNpe: yotal/AF**
Fnalnsis Batch: 958x2

Fnalnte	Spike Fdded	LCS Result	LCS Quali%er	f nit	D	. Rec	. Rec1 Limits
1,1-Dichloroethane	26.0	24.U		3g/L		7f	f 1 - 127
1,1-Dichloroethene	26.0	20.8		3g/L		8U	68 - 121
1,2-Dichlorobenuene	26.0	24.8		3g/L		77	80 - 124
1,2-Dichloroethane	26.0	2U.8		3g/L		76	f 6 - 12f
Henuene	26.0	26.0		3g/L		100	f 1 - 124
Chlorobenuene	26.0	26.4		3g/L		101	f 2 - 120
cis-1,2-Dichloroethene	26.0	26.2		3g/L		101	f 4 - 124
Bth) lbenuene	26.0	26.8		3g/L		10U	f f - 12U
Meth) l tert-b3t) l ether	26.0	22.2		3g/L		87	d4 - 12f
Tetrachloroethene	26.0	2f .8		3g/L		111	f 4 - 122
Tol3ene	26.0	26.U		3g/L		101	80 - 122
trans-1,2-Dichloroethene	26.0	2d.d		3g/L		10d	f U - 12f
Trichloroethene	26.0	26.7		3g/L		104	f 4 - 12U

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	109		66 - 137
Toluene-dB (Surr)	10B		71 - 126
4-mrof obluorozen5ene (Surr)	10B		73 - 120

Method: 82x0C - Semi3olatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-90645/5-F — **Client Sample ID: Method Blank**
Matrix: Water — **Trep yNpe: yotal/AF**
Fnalnsis Batch: 90828 — **Trep Batch: 90645**

Fnalnte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	Fnalnzed	Dil zac
HiKhen) l	6.0	5	6.0	0.d6	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
bis x2-chloroisoKroK) lEether	6.0	5	6.0	0.62	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
2,4,6-TrichloroKhenol	6.0	5	6.0	0.48	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
2,4,d-TrichloroKhenol	6.0	5	6.0	0.d1	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
2,4-DichloroKhenol	6.0	5	6.0	0.61	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
2,4-Dimeth) lKhenol	6.0	5	6.0	0.60	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
2,4-DinitroKhenol	10	5	10	2.2	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
2,4-Dinitrotol3ene	6.0	5	6.0	0.46	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
2,d-Dinitrotol3ene	6.0	5	6.0	0.40	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
2-ChloronaKhthalene	6.0	5	6.0	0.4d	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
2-ChloroKhenol	6.0	5	6.0	0.6U	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
2-Meth) lnaKhthalene	6.0	5	6.0	0.d0	3g/L		11/1U/12 14:0d	11/14/12 22:27	1

Method: 82x0C - Semi3olatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-90645/5-F
MatriW P ater
F nalNsis Batch: 90828

Client Sample ID: Method Blank
Trep yNpe: yotal/AF
Trep Batch: 90645

F nalNte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	F nalNUed	Dil zac
2-Meth) lKhenol	6.0	5	6.0	0.40	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
2-Nitroaniline	10	5	10	0.42	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
2-NitroKhenol	6.0	5	6.0	0.48	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
U,U-Dichlorobenuiyine	6.0	5	6.0	0.40	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
U-Nitroaniline	10	5	10	0.48	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
4,d-Dinitro-2-meth) lKhenol	10	5	10	2.2	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
4-HromoKhen) l Khen) l ether	6.0	5	6.0	0.46	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
4-Chloro-U-meth) lKhenol	6.0	5	6.0	0.46	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
4-Chloroaniline	6.0	5	6.0	0.67	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
4-ChloroKhen) l Khen) l ether	6.0	5	6.0	0.U6	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
4-Meth) lKhenol	10	5	10	0.Ud	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
4-Nitroaniline	10	5	10	0.26	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
4-NitroKhenol	10	5	10	1.6	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
AcenaKhthene	6.0	5	6.0	0.41	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
AcenaKhth) lene	6.0	5	6.0	0.U8	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
AcetoKhenone	6.0	5	6.0	0.64	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
Anthracene	6.0	5	6.0	0.28	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
Atrauine	6.0	5	6.0	0.4d	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
Henualyeh) ye	6.0	5	6.0	0.2f	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
HenuoxaEanthracene	6.0	5	6.0	0.Ud	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
HenuoxaEK) rene	6.0	5	6.0	0.4f	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
HenuoxbE93oranthene	6.0	5	6.0	0.U4	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
Henuoxg,h,iEKer) lene	6.0	5	6.0	0.U6	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
HenuoxFE93oranthene	6.0	5	6.0	0.f U	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
Hisx2-chloroethop) Emethane	6.0	5	6.0	0.U6	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
Hisx2-chloroeth) lEether	6.0	5	6.0	0.40	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
Hisx2-eth) lhep) lEKhthalate	6.0	5	6.0	1.8	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
H3t) l benu) l Khthalate	6.0	5	6.0	0.42	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
CaKrolactam	6.0	5	6.0	2.2	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
Carbauole	6.0	5	6.0	0.U0	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
Chr) sene	6.0	5	6.0	0.UU	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
Di-n-b3t) l Khthalate	6.0	5	6.0	0.U1	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
Di-n-oct) l Khthalate	6.0	5	6.0	0.4f	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
Dibenuxa,hEanthracene	6.0	5	6.0	0.42	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
Dibenuo93ran	10	5	10	0.61	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
Dieth) l Khthalate	6.0	5	6.0	0.22	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
Dimeth) l Khthalate	6.0	5	6.0	0.Ud	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
vl3oranthene	6.0	5	6.0	0.40	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
vl3orene	6.0	5	6.0	0.Ud	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
z epachlorobenuene	6.0	5	6.0	0.61	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
z epachlorob3tayiene	6.0	5	6.0	0.d8	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
z epachloroc) cloKentayiene	6.0	5	6.0	0.67	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
z epachloroethane	6.0	5	6.0	0.67	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
Inyenox1,2,U-cyEK) rene	6.0	5	6.0	0.4f	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
IsoKhorone	6.0	5	6.0	0.4U	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
N-Nitrosoyi-n-KroK) lamine	6.0	5	6.0	0.64	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
N-NitrosoyiKhen) lamine	6.0	5	6.0	0.61	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
NaKhthalene	6.0	5	6.0	0.f d	3g/L		11/1U/12 14:0d	11/14/12 22:27	1

Method: 82x0C - Semi3olatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-90645/5-F — **Client Sample ID: Method Blank**
MatriW: P ater — **Trep yNpe: yotal/AF**
FnalNsis Batch: 90828 — **Trep Batch: 90645**

FnalNte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	FnalNUed	Dil zac
Nitrobenuene	6.0	5	6.0	0.27	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
PentachloroKhenol	10	5	10	2.2	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
Phenanthrene	6.0	5	6.0	0.44	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
Phenol	6.0	5	6.0	0.U7	3g/L		11/1U/12 14:0d	11/14/12 22:27	1
P) rene	6.0	5	6.0	0.U4	3g/L		11/1U/12 14:0d	11/14/12 22:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Trizrof ophenol	*123*		*92 - 132*	*11/13/12 14:06*	*11/14/12 22:28*	*1*
2-Fluoroziphenyl	*86*		*4B - 120*	*11/13/12 14:06*	*11/14/12 22:28*	*1*
2-Fluorophenol	*94*		*20 - 120*	*11/13/12 14:06*	*11/14/12 22:28*	*1*
Nitrozen5ene-d9	*102*		*46 - 120*	*11/13/12 14:06*	*11/14/12 22:28*	*1*
p-Terphenyl-d14	*104*		*67 - 190*	*11/13/12 14:06*	*11/14/12 22:28*	*1*
Phenol-d9	*38*		*16 - 120*	*11/13/12 14:06*	*11/14/12 22:28*	*1*

Lab Sample ID: LCS 480-90645/2-F — **Client Sample ID: Lab Control Sample**
MatriW: P ater — **Trep yNpe: yotal/AF**
FnalNsis Batch: 90828 — **Trep Batch: 90645**

FnalNte	Spike Fdded	LCS Result	LCS Quali%er	f nit	D	. Rec	. Rec1 Limits
2,4-Dinitrotol3ene	80.0	76.d		3g/L		120	d6 - 164
2-ChloroKhenol	80.0	f 4.6		3g/L		7U	48 - 120
4-Chloro-U-meth) lKhenol	80.0	7f .6	k	3g/L		122	d4 - 120
4-NitroKhenol	80.0	46.6		3g/L		6f	1d - 120
AcenaKhthene	80.0	86.d		3g/L		10f	d0 - 120
Hisx2-eth) lhep) lEKhthalate	80.0	10f		3g/L		1UU	6U - 168
vl3orene	80.0	71.8		3g/L		116	66 - 14U
z epachloroethane	80.0	f 1.d		3g/L		87	14 - 101
N-Nitrosoyi-n-KroK) lamine	80.0	8d.U		3g/L		108	6d - 120
PentachloroKhenol	80.0	f 6.6		3g/L		74	U7 - 1Ud
Phenol	80.0	U8.f		3g/L		48	1f - 120
P) rene	80.0	74.1		3g/L		118	68 - 1Ud

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Trizrof ophenol	*12B*		*92 - 132*
2-Fluoroziphenyl	*103*		*4B - 120*
2-Fluorophenol	*9B*		*20 - 120*
Nitrozen5ene-d9	*108*		*46 - 120*
p-Terphenyl-d14	*111*		*67 - 190*
Phenol-d9	*44*		*16 - 120*

QC Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28076-2

Method: 6050B - Metals (ICT)

Lab Sample ID: MB 480-89892/5-F — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NF**
Analysis Batch: 9079v — **Prep Batch: 89892**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	5	0.010	0.006d	mg/L		11/07/12 12:16	11/12/12 11:41	1
Barium	0.0020	5	0.0020	0.000f0	mg/L		11/07/12 12:16	11/12/12 11:41	1
Cadmium	0.0010	5	0.0010	0.00060	mg/L		11/07/12 12:16	11/12/12 11:41	1
Chromium	0.0040	5	0.0040	0.0010	mg/L		11/07/12 12:16	11/12/12 11:41	1
Lead	0.0060	5	0.0060	0.00U0	mg/L		11/07/12 12:16	11/12/12 11:41	1
Selenium	0.016	5	0.016	0.008f	mg/L		11/07/12 12:16	11/12/12 11:41	1
Silver	0.00U0	5	0.00U0	0.001f	mg/L		11/07/12 12:16	11/12/12 11:41	1

Lab Sample ID: LCS 480-89892/2-F — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NF**
Analysis Batch: 90702 — **Prep Batch: 89892**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Arsenic	0.200	0.202		mg/L		101	80 - 120
Barium	0.200	0.20U		mg/L		102	80 - 120
Cadmium	0.200	0.201		mg/L		101	80 - 120
Chromium	0.200	0.200		mg/L		100	80 - 120
Lead	0.200	0.204		mg/L		102	80 - 120
Selenium	0.200	0.171		mg/L		76	80 - 120
Silver	0.0600	0.0606		mg/L		101	80 - 120

Lab Sample ID: MB 480-90228/5-B — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 90805 — **Prep Batch: 90759**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	5	0.010	0.006d	mg/L		11/1U/1U 0f:60	11/1U/12 20:42	1
Barium	0.0020	5	0.0020	0.000f0	mg/L		11/1U/1U 0f:60	11/1U/12 20:42	1
Cadmium	0.0010	5	0.0010	0.00060	mg/L		11/1U/1U 0f:60	11/1U/12 20:42	1
Chromium	0.0040	5	0.0040	0.0010	mg/L		11/1U/1U 0f:60	11/1U/12 20:42	1
Selenium	0.016	5	0.016	0.008f	mg/L		11/1U/1U 0f:60	11/1U/12 20:42	1
Silver	0.00U0	5	0.00U0	0.001f	mg/L		11/1U/1U 0f:60	11/1U/12 20:42	1

Lab Sample ID: MB 480-90228/5-B — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 950vv — **Prep Batch: 90759**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0060	5	0.0060	0.00U0	mg/L		11/1U/12 0f:60	11/14/12 17:11	1

Lab Sample ID: LCS 480-90228/2-B — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 90805 — **Prep Batch: 90759**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Arsenic	0.200	0.201		mg/L		101	80 - 120
Barium	0.200	0.208		mg/L		104	80 - 120
Cadmium	0.200	0.204		mg/L		102	80 - 120
Chromium	0.200	0.208		mg/L		104	80 - 120

Method: 6050B - Metals (ICT) (Continued)

Lab Sample ID: LCS 480-90228/2-B — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 90805 — **Prep Batch: 90759**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	Rec Limits
Lead	0.200	0.201		mg/L		101	80 - 120
Selenium	0.200	0.20U		mg/L		101	80 - 120
Silver	0.0600	0.0620		mg/L		104	80 - 120

Lab Sample ID: 480-28096-56 MS — **Client Sample ID: TH-5x**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 90805 — **Prep Batch: 90759**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	Rec Limits
Arsenic	0.010	5	0.200	0.201		mg/L		100	76 - 126
Barium	0.067		0.200	0.264		mg/L		97	76 - 126
Cadmium	0.0010	5	0.200	0.197		mg/L		98	76 - 126
Chromium	0.0041		0.200	0.201		mg/L		98	76 - 126
Lead	0.0060	5	0.200	0.172		mg/L		97	76 - 126
Selenium	0.016	5	0.200	0.177		mg/L		100	76 - 126
Silver	0.00U0	5	0.0600	0.0474		mg/L		77	76 - 126

Lab Sample ID: 480-28096-56 MSD — **Client Sample ID: TH-5x**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 90805 — **Prep Batch: 90759**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	Rec Limits	RPD	RPD Limit
Arsenic	0.010	5	0.200	0.207		mg/L		106	76 - 126	4	20
Barium	0.067		0.200	0.267		mg/L		100	76 - 126	2	20
Cadmium	0.0010	5	0.200	0.202		mg/L		101	76 - 126	U	20
Chromium	0.0041		0.200	0.200		mg/L		101	76 - 126	U	20
Lead	0.0060	5	0.200	0.176		mg/L		98	76 - 126	2	20
Selenium	0.016	5	0.200	0.201		mg/L		101	76 - 126	1	20
Silver	0.00U0	5	0.0600	0.0602		mg/L		100	76 - 126	2	20

Method: x4x0F - Mercury (CVAA)

Lab Sample ID: MB 480-89982/5-F — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 90508 — **Prep Batch: 89982**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury)	0.00020	5	0.00020	0.00012	mg/L		11/07/12 14:07	11/07/12 18:11	1

Lab Sample ID: LCS 480-89982/2-F — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 90508 — **Prep Batch: 89982**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	Rec Limits
Mercury)	0.00ddf	0.00d40		mg/L		7d	80 - 120

QC Sample Results

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28076-2

Method: x4x0F - MercurN (CVFF) (Continued)

Lab Sample ID: MB 480-90228/5-C — **Client Sample ID: Method Blank**
MatriW: P ater — **Trep yNpe: Dissol3ed**
FnalNsis Batch: 90x46 — **Trep Batch: 90v26**

FnalNte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	FnalNUed	Dil zac
Merc3r)	0.00020	5	0.00020	0.00012	mg/L		11/1U/12 07:20	11/1U/12 16:U6	1

Lab Sample ID: LCS 480-90228/2-C — **Client Sample ID: Lab Control Sample**
MatriW: P ater — **Trep yNpe: Dissol3ed**
FnalNsis Batch: 90x46 — **Trep Batch: 90v26**

FnalNte			Spike Fdded	LCS Result	LCS Quali%er	f nit	D	. Rec	. Rec1 Limits		
Merc3r)			0.00ddf	0.00d22		mg/L		7U	80 - 120		

GC/MS VOA

Analysis Batch: 90287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-8	. H-2N	TotaQ3 A	g ater	82W0B	
480-28076-5W	. H-5N	TotaQ3 A	g ater	82W0B	
480-28076-5N	. H-2W	TotaQ3 A	g ater	82W0B	
n1 / 480-758N2j2N	nab 1 ol troC/ am9Qe	TotaQ3 A	g ater	82W0B	
S B 480-758N2jW	S etpoh BQl d	TotaQ3 A	g ater	82W0B	

GC/MS Semi VOA

Prep Batch: 93160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-8	. H-2N	TotaQ3 A	g ater	k6501	
480-28076-5W	. H-5N	TotaQ3 A	g ater	k6501	
480-28076-5N	. H-2W	TotaQ3 A	g ater	k6501	
n1 / 480-70W45j2-A	nab 1 ol troC/ am9Qe	TotaQ3 A	g ater	k6501	
S B 480-70W45j5-A	S etpoh BQl d	TotaQ3 A	g ater	k6501	

Analysis Batch: 93272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-8	. H-2N	TotaQ3 A	g ater	82N01	70W45
n1 / 480-70W45j2-A	nab 1 ol troC/ am9Qe	TotaQ3 A	g ater	82N01	70W45
S B 480-70W45j5-A	S etpoh BQl d	TotaQ3 A	g ater	82N01	70W45

Analysis Batch: 93979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-5W	. H-5N	TotaQ3 A	g ater	82N01	70W45
480-28076-5N	. H-2W	TotaQ3 A	g ater	82N01	70W45

Metals

Prep Batch: 29297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-8	. H-2N	TotaQ3 A	g ater	k006A	
480-28076-5W	. H-5N	TotaQ3 A	g ater	k006A	
480-28076-5N	. H-2W	TotaQ3 A	g ater	k006A	
n1 / 480-87872j2-A	nab 1 ol troC/ am9Qe	TotaQ3 A	g ater	k006A	
S B 480-87872j5-A	S etpoh BQl d	TotaQ3 A	g ater	k006A	

Prep Batch: 29927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-8	. H-2N	TotaQ3 A	g ater	N4N0A	
480-28076-5W	. H-5N	TotaQ3 A	g ater	N4N0A	
480-28076-5N	. H-2W	TotaQ3 A	g ater	N4N0A	
n1 / 480-87782j2-A	nab 1 ol troC/ am9Qe	TotaQ3 A	g ater	N4N0A	
S B 480-87782j5-A	S etpoh BQl d	TotaQ3 A	g ater	N4N0A	

Analysis Batch: 93032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-8	. H-2N	TotaQ3 A	g ater	N4N0A	87782
480-28076-5W	. H-5N	TotaQ3 A	g ater	N4N0A	87782
480-28076-5N	. H-2W	TotaQ3 A	g ater	N4N0A	87782

Metals (Continued)

Analysis Batch: 93032 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
n1 / 480-87782j2-A	nab 1 ol troC/ am9Qe	TotaQ3 A	g ater	N4N0A	87782
S B 480-87782j5-A	S etpoh BQl d	TotaQ3 A	g ater	N4N0A	87782

Analysis Batch: 93437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-8	. H-2N	TotaQ3 A	g ater	W050B	87872
480-28076-5W	. H-5N	TotaQ3 A	g ater	W050B	87872
480-28076-5N	. H-2W	TotaQ3 A	g ater	W050B	87872
n1 / 480-87872j2-A	nab 1 ol troC/ am9Qe	TotaQ3 A	g ater	W050B	87872

Prep Batch: 93409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-8	. H-2N	DissoQeh	g ater	k006A	
480-28076-5W	. H-5N	DissoQeh	g ater	k006A	
480-28076-5WS /	. H-5N	DissoQeh	g ater	k006A	
480-28076-5WS / D	. H-5N	DissoQeh	g ater	k006A	
480-28076-5N	. H-2W	DissoQeh	g ater	k006A	
n1 / 480-70228j2-B	nab 1 ol troC/ am9Qe	DissoQeh	g ater	k006A	
S B 480-70228j5-B	S etpoh BQl d	DissoQeh	g ater	k006A	

Analysis Batch: 93495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
S B 480-87872j5-A	S etpoh BQl d	TotaQ3 A	g ater	W050B	87872

Prep Batch: 93571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-8	. H-2N	DissoQeh	g ater	N4N0A	
480-28076-5W	. H-5N	DissoQeh	g ater	N4N0A	
480-28076-5N	. H-2W	DissoQeh	g ater	N4N0A	
n1 / 480-70228j2-1	nab 1 ol troC/ am9Qe	DissoQeh	g ater	N4N0A	
S B 480-70228j5-1	S etpoh BQl d	DissoQeh	g ater	N4N0A	

Analysis Batch: 93861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-8	. H-2N	DissoQeh	g ater	N4N0A	7062W
480-28076-5W	. H-5N	DissoQeh	g ater	N4N0A	7062W
480-28076-5N	. H-2W	DissoQeh	g ater	N4N0A	7062W
n1 / 480-70228j2-1	nab 1 ol troC/ am9Qe	DissoQeh	g ater	N4N0A	7062W
S B 480-70228j5-1	S etpoh BQl d	DissoQeh	g ater	N4N0A	7062W

Analysis Batch: 93230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-8	. H-2N	DissoQeh	g ater	W050B	70k57
480-28076-5W	. H-5N	DissoQeh	g ater	W050B	70k57
480-28076-5WS /	. H-5N	DissoQeh	g ater	W050B	70k57
480-28076-5WS / D	. H-5N	DissoQeh	g ater	W050B	70k57
480-28076-5N	. H-2W	DissoQeh	g ater	W050B	70k57
n1 / 480-70228j2-B	nab 1 ol troC/ am9Qe	DissoQeh	g ater	W050B	70k57
S B 480-70228j5-B	S etpoh BQl d	DissoQeh	g ater	W050B	70k57

Metals (Continued)

Analysis Batch: 90355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
S B 480-70228j5-B	S etpoh BQl d	Disso Qeh	g ater	W050B	70k57

Analysis Batch: 97622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28076-8	. H-2N	Tota Q3 A	g ater	W050B	87872

Lab Chronicle

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28076-2

Client Sample ID: PH-14

Lab Sample ID: 802-10276-0

Date Collected: / / 5245 1 / 4:16

Matrix: Water

Date 3 eceiRed: / / 5205 1 27:v2

Prep Type	Batch Type	Batch Method	3 un	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/y A	Analpsis	82503		1	71892	11/20/12 0B:29	TUF	TAL 3 NF
Total/y A	PreR	B610C			70541	11/1B/12 14:05	DH	TAL 3 NF
Total/y A	Analpsis	8290C		1	70828	11/16/12 01:B9	UMM	TAL 3 NF
Total/y A	PreR	9490A			87782	11/07/12 14:07	JUK	TAL 3 NF
Total/y A	Analpsis	9490A		1	70108	11/07/12 18:16	JUK	TAL 3 NF
Total/y A	PreR	B006A			87872	11/07/12 12:16	JM	TAL 3 NF
Total/y A	Analpsis	50103		1	70B02	11/10/12 21:28	MM	TAL 3 NF
Dissoluef	PreR	9490A			70625	11/1B/12 07:20	JUK	TAL 3 NF
Dissoluef	Analpsis	9490A		1	70945	11/1B/12 16:49	JUK	TAL 3 NF
Dissoluef	Analpsis	50103		1	70801	11/1B/12 20:62	MM	TAL 3 NF
Dissoluef	PreR	B006A			70B17	11/1B/1B 09:60	JM	TAL 3 NF
Total/y A	Analpsis	50103		6	72488	11/2B/12 16:B2	A=	TAL 3 NF

Client Sample ID: PH-/ 4

Lab Sample ID: 802-10276-/ 9

Date Collected: / / 5245 1 12:12

Matrix: Water

Date 3 eceiRed: / / 5205 1 27:v2

Prep Type	Batch Type	Batch Method	3 un	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/y A	Analpsis	82503		1	71892	11/20/12 0B:48	TUF	TAL 3 NF
Total/y A	PreR	B610C			70541	11/1B/12 14:05	DH	TAL 3 NF
Total/y A	Analpsis	8290C		1	70727	11/16/12 04:12	UMM	TAL 3 NF
Total/y A	PreR	9490A			87782	11/07/12 14:07	JUK	TAL 3 NF
Total/y A	Analpsis	9490A		1	70108	11/07/12 18:19	JUK	TAL 3 NF
Total/y A	PreR	B006A			87872	11/07/12 12:16	JM	TAL 3 NF
Total/y A	Analpsis	50103		1	70B02	11/10/12 21:B9	MM	TAL 3 NF
Dissoluef	PreR	9490A			70625	11/1B/12 07:20	JUK	TAL 3 NF
Dissoluef	Analpsis	9490A		1	70945	11/1B/12 16:47	JUK	TAL 3 NF
Dissoluef	Analpsis	50103		1	70801	11/1B/12 20:66	MM	TAL 3 NF
Dissoluef	PreR	B006A			70B17	11/1B/1B 09:60	JM	TAL 3 NF

Client Sample ID: PH-19

Lab Sample ID: 802-10276-/ 4

Date Collected: / / 5245 1 / 6:66

Matrix: Water

Date 3 eceiRed: / / 5205 1 27:v2

Prep Type	Batch Type	Batch Method	3 un	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/y A	Analpsis	82503		1	71892	11/20/12 04:10	TUF	TAL 3 NF
Total/y A	PreR	B610C			70541	11/1B/12 14:05	DH	TAL 3 NF
Total/y A	Analpsis	8290C		20	70727	11/16/12 04:B6	UMM	TAL 3 NF
Total/y A	PreR	9490A			87782	11/07/12 14:07	JUK	TAL 3 NF
Total/y A	Analpsis	9490A		1	70108	11/07/12 18:17	JUK	TAL 3 NF
Total/y A	PreR	B006A			87872	11/07/12 12:16	JM	TAL 3 NF
Total/y A	Analpsis	50103		1	70B02	11/10/12 21:40	MM	TAL 3 NF
Dissoluef	PreR	9490A			70625	11/1B/12 07:20	JUK	TAL 3 NF

Lab Chronicle

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28076-2

Client Sample ID: PH-19

Date Collected: / / 5245 1 / 6:66
Date 3 eceiRed: / / 5205 1 27:v2

Lab Sample ID: 802-10276-/ 4

Matrix: Water

Prep Type	Batch Type	Batch Method	3 un	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissoluef	Analpsis	9490A		1	70945	11/1B/12 16:61	JUK	TAL 3 NF
Dissoluef	Analpsis	50103		1	70801	11/1B/12 21:11	MM	TAL 3 NF
Dissoluef	PreR	B006A			70B17	11/1B/1B 09:60	JM	TAL 3 NF

Laboratory 3 eferences:

TAL 3 NF d TestAmerica 3 zwalo, 10 = avelh oof Driue, AmYerst, y E 14228-2278, THL (915)571-2500

Certification Summary

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28076-2

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	3	88-0383	01-03-9u
California	NELAC	7	9937CA	07-u0-9u
ConnecticHt	State Program	9	P5 -0638	07-u0-94
Florida	NELAC	4	E81312	03-u0-9u
Georgia	State Program	4	N/A	0u-u9-9u
Georgia	State Program	4	763	03-u0-9u
Georgia	State Program	4	763	03-u0-9u
Illinois	NELAC	6	20000u	07-u0-9u
Iowa	State Program	1	u14	0u-09-9u
Kansas	NELAC	1	E-90981	09-u9-9u
KentHcky	State Program	4	70027	92-u9-92
KentHcky (UST)	State Program	4	u0	04-09-9u
LoHsiana	NELAC	3	020u9	03-u0-9u
Maine	State Program	9	NY00044	92-04-92
Maryland	State Program	u	274	0u-u9-9u
MassachHsetts	State Program	9	M-NY044	03-u0-9u
Michigan	State Program	6	77u1	04-09-9u
Minnesota	NELAC	6	0u3-777-uu1	92-u9-92
New 5 ampshire	NELAC	9	271u	07-99-9u
New 5 ampshire	NELAC	9	2uu1	99-91-9u
New Jersey	NELAC	2	NY466	03-u0-9u
New York	NELAC	2	90023	0u-u9-9u
North Dakota	State Program	8	R-913	0u-u9-9u
Oklahoma	State Program	3	7429	08-u9-9u
Oregon	NELAC	90	NY20000u	03-07-9u
Pennsylvania	NELAC	u	38-00289	01-u9-9u
Rhode Island	State Program	9	LAO00u28	92-u9-9u
Tennessee	State Program	4	TN02710	04-09-9u
Texas	NELAC	3	T904104492-99-2	01-u9-9u
USDA	Federal		Puu0-99-00u83	99-22-94
Virginia	NELAC	u	430986	07-94-9u
Washington	State Program	90	C184	02-90-9u
West Virginia DEP	State Program	u	262	07-u0-9u
Wisconsin	State Program	6	778u90u70	08-u9-9u

Method Summary

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28095-2

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010B	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

1 Ge l t: TTnLII c,
. ro Pectj/ ite: S aM a / ite

TestAmerica Job ID: 480-28076-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-28076-8	. g -2H	Water	55j0Hj52 5H:26	55j08j52 07:30
480-28076-59	. g -5H	Water	55j0Hj52 20:20	55j08j52 07:30
480-28076-5H	. g -29	Water	55j0Hj52 56:66	55j08j52 07:30

Login Sample Receipt Checklist

Client: TTL, Inc.

Job Number: 480-28095-2

Login Number: 28095

List Source: TestAmerica Buffalo

List Number: 1

Creator: Robitaille, Zach L

Question	Answer	Comment
1 RaioRctiditv eityer h Rwnot meRwurea or, ismeRwurea, iwRt or beloh bRcf krouna	True	
Tye coolergvcuwtoav weRt, is' rewent, iwintRct.	True	
Tye cooler or wRm' lewao not R' ' eRr to yRde been com' romiwea or tRm' erea h ity.	True	
p Rm' lewh ere receidea on ice.	True	
Cooler Tem' erRture iwRcce' tRble.	True	
Cooler Tem' erRture iwrecoraea.	True	
CS C iw' rewent.	True	
CS C iwsillea out in inf Rma lekible.	True	
CS C iwsillea out h ity RIl ' ertinent insormRtion.	True	
Iwtye Ciela p Rm' lergvnRme ' rewent on CS CF	True	
Tyere Rre no aiwcre' Rnciewbeth een tye wRm' le I? won tye contRinerwRna tye CS C.	True	
p Rm' lewRre receidea h ityin Dolaink Time.	True	
p Rm' le contRinerwyRde lekible lRbelw.	True	
ContRinerwRre not brof en or leRf ink.	True	
p Rm' le collection aRteHimewRre ' rodiaea.	True	
/ ' ' ro' riRte wRm' le contRinerwRre uwea.	True	
p Rm' le bottlewRre com' letelv sillea.	True	
p Rm' le ArewerdRtion Perisiea	True	
Tyere iwwussicient dol. sor RIl reVuewtea RnRivwew, incl. Rnv reVuewtea q p Hq p ? w	True	
PS/ wRm' le diRtwao not yRde yeRaw' Rce or bubble iwM<mm 6(H4") in aiRmeter.	NA	
Isnecewwrnv, wtRssyRde been insormea osRnv wyort yola time or Vuicf T/ T neeaw	True	
q ulti' yRwic wRm' lewRre not ' rewent.	True	
p Rm' lewao not reVuire w' littink or com' owitink.	True	
p Rm' link Com' Rnv ' rodiaea.	True	TTL
p Rm' lewreceidea h ityin 48 yourwoswRm' link.	True	
p Rm' lewreVuirink siela siltrRtion yRde been silterea in tye siela.	NA	
Cylorine 1 ewiauRt cyecf ea.	NA	

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: SHM	Lab PM: Schove, John	Carrier Tracking No(s):	COC No: 480-28825-7536.3
Client Contact: Ms. Shannon McDonald	Phone: 334-850-1487	E-Mail: john.schove@testamericainc.com		Page: Page 3 of 12
Company: TTL, Inc.				Job #: 600212.024
Address: 4154 Lomac Street	Due Date Requested:			
City: Montgomery	TAT Requested (days):			
State, Zip: AL, 36106				
Phone: 334-244-0766(Tel)	PO #: Purchase Order Requested			
Email: smcdonald@ttlusa.com	WO #:			
Project Name: TTL, Inc. - Syracuse, NY Sites	Project #: 48006637			
Site: Magna	SSOW#:			

Analysis Requested

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, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=soil, O=waste/oil, BT=Tissue, A=Air)	8260B - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	6010B, 7471A	8260B - TCL list OLM04.2	6010B, 7470A	Special Instructions/Note:
6 - PH-17 4'	11/7/12	8:00	G	Solid	✓	✓	✓			
6 - PH-18 8'		10:10	G	Solid	✓	✓	✓			
6 - PH-19 11'		11:00	G	Solid	✓	✓	✓			
6 - PH-20 4'		12:05	G	Solid	✓	✓	✓			
PH-22 6'		1:05	G	Solid	✓	✓	✓			
PH-25 3'		2:50	G	Solid	✓	✓	✓			
6 - PH-26 12'		3:40	G	Solid	✓	✓	✓			
PH-27	↓		G	Solid	✓	✓	✓			
				Solid						
				Solid						
				Solid						

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Shannon McDonald	11/7/12 16:15p	TTL	R. Enright	11-07-12, 18:15	SYR
R. Enright	11-07-12, 19:00	SYR		11-8-12 09:30	TA Buffalo
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.7 3.1 #2

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: SHM	Lab PM: Schove, John	Carrier Tracking No(s):	COC No: 480-28825-7536.4
Client Contact: Ms. Shannon McDonald	Phone: 334-850-1487	E-Mail: john.schove@testamericainc.com		Page: Page 4 of 12
Company: TTL, Inc.				Job#: 600912-024
Address: 4154 Lomac Street	Due Date Requested:			
City: Montgomery	TAT Requested (days):			
State, Zip: AL, 36106				
Phone: 334-244-0766(Tel)	PO #: Purchase Order Requested			
Email: smcdonald@ttlusa.com	WO #:			
Project Name: TTL, Inc. - Syracuse, NY Sites	Project #: 48006637			
Site: Magna	SSOW#:			

Analysis Requested

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, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	8260B - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	6010B, 7471A	8260B - TCL list OLM04.2	6010B, 7470A	Special Instructions/Note:
PH-18 0-6"	11/7/12	9:45	C	Solid	✓	✓	✓			
PH-19 0-6"	11/7/12	10:35	C	Solid	✓	✓	✓			
PH-20 0-6"	11/7/12	11:45	C	Solid	✓	✓	✓			
PH-21 0-6"	11/7/12	12:25	C	Solid	✓	✓	✓			
PH-23 0-6"	11/7/12	1:45	C	Solid	✓	✓	✓			
PH-26 0-6"	11/7/12	3:25	C	Solid	✓	✓	✓			
PH-27 0-6"	11/7/12	4:45	C	Solid	✓	✓	✓			
				Solid						
				Solid						
				Solid						
				Solid						

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Shannon McDonald	11/7/12 6:15p	TTL	REnglish	11-07-12, 18:15	Sya
REnglish	11-07-12, 19:00	Sya	[illegible]	11-8-12 0930	TA Buff
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.7, 3.1 #2

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: SHM	Lab PM: Schove, John	Carrier Tracking No(s):	COC No: 480-28825-7536.12
Client Contact: Ms. Shannon McDonald	Phone: 334-8501487	E-Mail: john.schove@testamericainc.com		Page: Page 12 of 12
Company: TTL, Inc.				Job #: 600212-024
Address: 4154 Lomac Street	Due Date Requested:			
City: Montgomery	TAT Requested (days):			
State, Zip: AL, 36106				
Phone: 334-244-0766(Tel)	PO #: Purchase Order Requested			
Email: smcdonald@ttlusa.com	WO #:			
Project Name: TTL, Inc. - Syracuse, NY Sites	Project #: 48006637			
Site: Magna	SSOW#:			

Analysis Requested

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
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	8260B - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	6010B, 7471A	8260B - TCL list OLM04.2	6010B, 7470A	Special Instructions/Note:
PH-17	11/7/12	8:20a	G	Water		✓	✓	✓	✓	
PH-816	11/7/12	3:55	G	Water		✓	✓	✓	✓	
PH-277	11/7/12	5:25	G	Water		✓	✓	✓	✓	

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Shannon McDonald	11/7/12 6:15p	TTL	R English	11-07-12, 18:15	SYR
R English	11-07-12, 19:00	SYR	R English	11-8-12 0930	TBUK
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.7, 3.1 #2

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: 480-28163-2
Client Project/Site: Magna Site
Revision: 1

For:
TTL, Inc.
4154 Lomac Street
Montgomery, Alabama 36106

Attn: Ms. Shannon McDonald

Authorized for release by:
11/27/2012 3:23:20 PM

John Schove
Project Manager I
john.schove@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

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: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28163-2

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
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.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
*	LCS or LCSD exceeds the control limits

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
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.

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: TTL, Inc.
j ro/ectSMite: g aNna Mite

TestAmerica Job ID: 480-2895P-2

Job ID: 480-28163-2

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-28163-2

nevisioR
Tdis rehort das been repisew to cdanNe tde name ovsamhle hoint j 1 93 to j 1 95.

CommeRts
; o awwitional comments.

neceipt
Tde samhles y ere receipew on 99SqS2092 8:00 Ag utde samhles arripew in Noow conwition, hroherlf hreserpew anw, y dere re7º irew, on ice. Tde temheratº res ovtde P coolers at receiht time y ere 2.9(C, P.9(C anw P.q(C.

GC/MS VOA
g etdow)s68250B: Tde volloy inN samhle)s6sº bmittew vor polatiles analf sis y as receipew y itd insº wicient hreserpation)h1 H26 j 1-PP)480-2895P-946.

g etdow)s68250B: Tde volloy inN samhles sº bmittew vor polatiles analf sis y ere receipew y itd insº wicient hreserpation)h1 H26 j 1-93)480-2895P-926, j 1-P9)480-2895P-9P6. Analf sis occº rrew aver tde sepen waf dolwinN time vor º nhreserpew polatiles samhles.

g etdow)s68250B: Tde metdow blan> vor batcd q20qq containew TricdloroetdaNe abope tde metdow wetection limit. Tdis tarNet analf te concentration y as less tdan tde rehortinN limit)' L6. utderevore, re-eOtraction anwSor re-analf sis ov samhles y as not hervormew.

; o otder analf tical or 7º alitf issº es y ere notew.

GC/MS Semi VOA
g etdow)s68230C: Tde laboratorf control samhle)LCM6 vor hreharation batcd q0549 eOceewew control limits vor mº ltihle analf tes. Tdese analf tes y ere biasew diNd in tde LCM anw y ere not wetectew in tde associatew samhlesutderevore, tde wata dape been rehortew.

g etdow)s68230C: Tde volloy inN samhles y ere wilº tew wº e totde natº re ov tde samhle matriO j 1-93)480-2895P-926. As sº cd, sº rroNate recoperies y ere rewº cew to a lepel in y dicd tdef wo not hropiwe º sevº l invormation. x lepatew rehortinN limits)' Ls6 are hropiwew.

g etdow)s68230C: Tde volloy inN comhoº nw y as oº tsiwe control limits in tde continº inN calibration perivication)CCE6 associatew y itd batcd q0q2q: Bis)2-etdf ldeOf l6hdtdalate. Tdis comhoº nw is not classiview as a Calibration Cdec> Comhoº nw)CCC6 in tde reverence metdow. Dº e to tde larNe nº mber ov analf tes containew in tde CCE, tde laboratorf R MV j alloy s vor voº r analf tes to be oº tsiwe limitsutderevore, tde wata dape been rehortew.

; o otder analf tical or 7º alitf issº es y ere notew.

Metals
g etdow)s65090B: Tde Continº inN Calibration Blan>)CCB 480-q0809SP26 containew wissolpew bariº m abope tde rehortinN limit)' L6. Tde associatew samhle)s6j 1-93)480-2895P-926 containew wetects vor tdis analf te at concentrations Nreater tdan 90k tde palº e voº nw in tde Continº inN Calibration Blan>utderevore, re-analf sis ov samhles y as not hervormew.

; o otder analf tical or 7º alitf issº es y ere notew.

OrgaRic Prep
g etdow)s6PX90C: A siNnivicant amoº nt ov sewiment y as hresent in tde volloy inN samhles: j 1-93)480-2895P-926, j 1-PP)480-2895P-946. Tdese samhles y ere wecantew hrior to hreharation.

; o otder analf tical or 7º alitf issº es y ere notew.

Detection Summary

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28163-2

Client Sample ID: PH-16 — Lab Sample ID: 480-28163-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	1.6	J	10	1.3	ug/L	1		8260B	Total/NA
Acetone	12		10	3.0	ug/L	1		8260B	Total/NA
Carbon disulfide	2.2		1.0	0.19	ug/L	1		8260B	Total/NA
Trichloroethene	0.56	J B	1.0	0.46	ug/L	1		8260B	Total/NA
Arsenic	0.034		0.010	0.0056	mg/L	1		6010B	Total/NA
Barium	0.47		0.0020	0.00070	mg/L	1		6010B	Total/NA
Cadmium	0.0012		0.0010	0.00050	mg/L	1		6010B	Total/NA
Chromium	0.10		0.0040	0.0010	mg/L	1		6010B	Total/NA
Lead	0.10		0.0050	0.0030	mg/L	1		6010B	Total/NA
Arsenic	0.0066	J	0.010	0.0056	mg/L	1		6010B	Dissolved
Barium	0.17	^	0.0020	0.00070	mg/L	1		6010B	Dissolved

Client Sample ID: PH-31 — Lab Sample ID: 480-28163-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	4.3	J	10	1.3	ug/L	1		8260B	Total/NA
Acetone	29		10	3.0	ug/L	1		8260B	Total/NA
Carbon disulfide	0.35	J	1.0	0.19	ug/L	1		8260B	Total/NA
Methyl acetate	2.8		1.0	0.50	ug/L	1		8260B	Total/NA
Toluene	0.66	J	1.0	0.51	ug/L	1		8260B	Total/NA
Trichloroethene	0.58	J B	1.0	0.46	ug/L	1		8260B	Total/NA

Client Sample ID: PH-33 — Lab Sample ID: 480-28163-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.10		0.010	0.0056	mg/L	1		6010B	Total/NA
Barium	2.5		0.0020	0.00070	mg/L	1		6010B	Total/NA
Cadmium	0.0014		0.0010	0.00050	mg/L	1		6010B	Total/NA
Chromium	0.11		0.0040	0.0010	mg/L	1		6010B	Total/NA
Lead	0.15		0.0050	0.0030	mg/L	1		6010B	Total/NA
Arsenic	0.011		0.010	0.0056	mg/L	1		6010B	Dissolved
Barium	0.067		0.0020	0.00070	mg/L	1		6010B	Dissolved

Client Sample ID: TB — Lab Sample ID: 480-28163-15

No Detections

Client Sample ID: PH-16

Date Collected: 11/08/12 07:30
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7.7.7-TrichroroethaLe	7P0	5	7P0	0P82	31S			77S27S72 07:7U	7
7.7.2.2-TetrachroroethaLe	7P0	5	7P0	0P27	31S			77S27S72 07:7U	7
7.7.2-TrichroroethaLe	7P0	5	7P0	0P2C	31S			77S27S72 07:7U	7
7.7.2-Trichroro-7.2.2-tri98oroethaLe	7P0	5	7P0	0PC7	31S			77S27S72 07:7U	7
7.7-DichroroethaLe	7P0	5	7P0	0PC8	31S			77S27S72 07:7U	7
7.7-DichroroetheLe	7P0	5	7P0	0P2u	31S			77S27S72 07:7U	7
7.2.4-TrichrorobeLKeLe	7P0	5	7P0	0P47	31S			77S27S72 07:7U	7
7.2-Dibromo-C-I hrorof rof aLe	7P0	5	7P0	0PCu	31S			77S27S72 07:7U	7
7.2-DibromoethaLe	7P0	5	7P0	0PUC	31S			77S27S72 07:7U	7
7.2-DichrorobeLKeLe	7P0	5	7P0	0PUu	31S			77S27S72 07:7U	7
7.2-DichroroethaLe	7P0	5	7P0	0P27	31S			77S27S72 07:7U	7
7.2-Dichrorof rof aLe	7P0	5	7P0	0PU2	31S			77S27S72 07:7U	7
7.C-DichrorobeLKeLe	7P0	5	7P0	0PU8	31S			77S27S72 07:7U	7
7.4-DichrorobeLKeLe	7P0	5	7P0	0P84	31S			77S27S72 07:7U	7
2-p eH-aLoLe	zP0	5	zP0	7P2	31S			77S27S72 07:7U	7
2-Butanone (MEK)	**1.6**	**J**	70	7PC	31S			77S27S72 07:7U	7
4-g ethxn2-f eLtaLoLe B g I(E)	zP0	5	zP0	2P7	31S			77S27S72 07:7U	7
Acetone	**12**		70	CP0	31S			77S27S72 07:7U	7
(eLKeLe	7P0	5	7P0	0P47	31S			77S27S72 07:7U	7
(romoyichromoromethaLe	7P0	5	7P0	0PCu	31S			77S27S72 07:7U	7
(romo9orm	7P0	5	7P0	0P26	31S			77S27S72 07:7U	7
(romomethaLe	7P0	5	7P0	0P6u	31S			77S27S72 07:7U	7
Carbon disulfide	**2.2**		7P0	0P7u	31S			77S27S72 07:7U	7
I arboL tetrachroriye	7P0	5	7P0	0P2U	31S			77S27S72 07:7U	7
I hrorobeLKeLe	7P0	5	7P0	0PUz	31S			77S27S72 07:7U	7
DibromochromoromethaLe	7P0	5	7P0	0PC2	31S			77S27S72 07:7U	7
I hroroethaLe	7P0	5	7P0	0PC2	31S			77S27S72 07:7U	7
I hroro9orm	7P0	5	7P0	0PC4	31S			77S27S72 07:7U	7
I hroromethaLe	7P0	5	7P0	0PCz	31S			77S27S72 07:7U	7
cis-7.2-DichroroetheLe	7P0	5	7P0	0P87	31S			77S27S72 07:7U	7
cis-7.C-Dichrorof rof eLe	7P0	5	7P0	0PC6	31S			77S27S72 07:7U	7
I xcroheH-aLe	7P0	5	7P0	0P78	31S			77S27S72 07:7U	7
Dichroroyi98oromethaLe	7P0	5	7P0	0P68	31S			77S27S72 07:7U	7
d thxrbeLKeLe	7P0	5	7P0	0PU4	31S			77S27S72 07:7U	7
Isof rof xrbeLKeLe	7P0	5	7P0	0PUu	31S			77S27S72 07:7U	7
g ethxnacetate	7P0	5	7P0	0P20	31S			77S27S72 07:7U	7
g ethxntert-b3txnether	7P0	5	7P0	0P76	31S			77S27S72 07:7U	7
g ethxrcxcroheH-aLe	7P0	5	7P0	0P76	31S			77S27S72 07:7U	7
g ethxreLe I hroriye	7P0	5	7P0	0P44	31S			77S27S72 07:7U	7
MtxreLe	7P0	5	7P0	0PUC	31S			77S27S72 07:7U	7
TetrachroroetheLe	7P0	5	7P0	0PC6	31S			77S27S72 07:7U	7
Tor3eLe	7P0	5	7P0	0P27	31S			77S27S72 07:7U	7
traLs-7.2-DichroroetheLe	7P0	5	7P0	0Pu0	31S			77S27S72 07:7U	7
traLs-7.C-Dichrorof rof eLe	7P0	5	7P0	0PCU	31S			77S27S72 07:7U	7
Trichloroethene	**0.56**	**J B**	7P0	0P46	31S			77S27S72 07:7U	7
Trichroro98oromethaLe	7P0	5	7P0	0P88	31S			77S27S72 07:7U	7
ViLxnchroriye	7P0	5	7P0	0Pu0	31S			77S27S72 07:7U	7
XxreLes. Totan	2P0	5	2P0	0P66	31S			77S27S72 07:7U	7

Client Sample Results

Client Sample ID: PH-16

Date Collected: 11/08/12 07:30
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-12

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	09		99 - 163		117217/12 / 1:13	1
8oluene-dT (Surr)	09		31 - 129		117217/12 / 1:13	1
4-Bromofluorobenzene (Surr)	02		36 - 12/		117217/12 / 1:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
(if heLxn	700	5	700	7C	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
bis B2-chroroisof rof xr) ether	700	5	700	70	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
2.4.z-Trichrorof heLon	700	5	700	uRU	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
2.4.6-Trichrorof heLon	700	5	700	72	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
2.4-Dichrorof heLon	700	5	700	70	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
2.4-Dimethxrf heLon	700	5	700	70	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
2.4-DiLitrof heLon	200	5	200	4z	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
2.4-DiLitrotor3eLe	700	5	700	uR0	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
2.6-DiLitrotor3eLe	700	5	700	8R7	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
2-I hroroLaf hthareLe	700	5	700	uRC	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
2-I hrorof heLon	700	5	700	77	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
2-g ethxrLaf hthareLe	700	5	700	72	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
2-g ethxrf heLon	700	5	700	8R7	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
2-NitroaLiriLe	200	5	200	8R2	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
2-Nitrof heLon	700	5	700	uRU	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
C.C-DichrorobeLKiyiLe	700	5	700	8R7	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
C-NitroaLiriLe	200	5	200	uRU	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
4.6-DiLitro-2-methxrf heLon	200	5	200	44	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
4-(romof heLxnf heLxnether	700	5	700	uR7	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
4-I hroro-C-methxrf heLon	700	5 F	700	uR7	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
4-I hroroaLiriLe	700	5	700	72	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
4-I hrorof heLxnf heLxnether	700	5	700	UR7	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
4-g ethxrf heLon	200	5	200	URC	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
4-NitroaLiriLe	200	5	200	zR0	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
4-Nitrof heLon	200	5	200	C7	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
AceLaf htheLe	700	5	700	8RC	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
AceLaf hthxreLe	700	5	700	URU	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
Acetof heLoLe	700	5	700	77	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
ALthraceLe	700	5	700	zR6	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
AtraKiLe	700	5	700	uRC	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
(eLKanyehxye	700	5	700	zR4	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
(eLKoBa)aLthraceLe	700	5	700	URC	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
(eLKoBa)f xreLe	700	5	700	uR2	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
(eLKoBb)98oraLtheLe	700	5 F	700	6RU	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
(eLKoBl.h.i)f erxreLe	700	5	700	UR7	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
(eLKoBv)98oraLtheLe	700	5	700	7z	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
(isB2-chroroethoH-k)methaLe	700	5	700	UR7	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
(isB2-chroroethxr)ether	700	5	700	8R7	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
(isB2-ethxrneH-kr) f hthareate	700	5	700	C6	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
(3txnbeLKxnf hthareate	700	5	700	8R2	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
I af roractam	700	5	700	44	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
I arbaKore	700	5	700	6R7	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
I hrxseLe	700	5	700	6RU	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20
Di-L-b3txnf hthareate	700	5	700	6RC	31Ş		77S/CS/2 74:06	77S/zS/2 08:z2	20

Client Sample ID: PH-16

Date Collected: 11/08/12 07:30
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-L-octxnf hthamate	700	5	700	uP2	31S		77S/CS/2 74:06	77S/zS/2 08:z2	20
DibeLKBa.h)aLthraceLe	700	5	700	8P2	31S		77S/CS/2 74:06	77S/zS/2 08:z2	20
DibeLKoS3raL	200	5	200	70	31S		77S/CS/2 74:06	77S/zS/2 08:z2	20
Diethxnf hthamate	700	5	700	4P4	31S		77S/CS/2 74:06	77S/zS/2 08:z2	20
Dimethxnf hthamate	700	5	700	UPC	31S		77S/CS/2 74:06	77S/zS/2 08:z2	20
kr3oraLtheLe	700	5	700	8P7	31S		77S/CS/2 74:06	77S/zS/2 08:z2	20
kr3oreLe	700	5	700	UPC	31S		77S/CS/2 74:06	77S/zS/2 08:z2	20
p eHachrorobeLKeLe	700	5 F	700	70	31S		77S/CS/2 74:06	77S/zS/2 08:z2	20
p eHachrorob3tayieLe	700	5	700	74	31S		77S/CS/2 74:06	77S/zS/2 08:z2	20
p eHachrorocxcrof eLtayieLe	700	5	700	72	31S		77S/CS/2 74:06	77S/zS/2 08:z2	20
p eHachroroethaLe	700	5	700	72	31S		77S/CS/2 74:06	77S/zS/2 08:z2	20
ILyeLoB7.2.C-cy)f xreLe	700	5	700	uP2	31S		77S/CS/2 74:06	77S/zS/2 08:z2	20
Isof horoLe	700	5	700	8PU	31S		77S/CS/2 74:06	77S/zS/2 08:z2	20
N-Nitrosoyi-L-f rof xramiLe	700	5	700	77	31S		77S/CS/2 74:06	77S/zS/2 08:z2	20
N-Nitrosoyif heLxramiLe	700	5	700	70	31S		77S/CS/2 74:06	77S/zS/2 08:z2	20
Naf hthameLe	700	5	700	7z	31S		77S/CS/2 74:06	77S/zS/2 08:z2	20
NitrobeLKeLe	700	5	700	zPu	31S		77S/CS/2 74:06	77S/zS/2 08:z2	20
j eLtachrorof heLon	200	5	200	44	31S		77S/CS/2 74:06	77S/zS/2 08:z2	20
j heLaLthreLe	700	5	700	8Pu	31S		77S/CS/2 74:06	77S/zS/2 08:z2	20
j heLon	700	5	700	UPu	31S		77S/CS/2 74:06	77S/zS/2 08:z2	20
j xreLe	700	5	700	6Pu	31S		77S/CS/2 74:06	77S/zS/2 08:z2	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,9-8ribromo5henol	*1/ p*		*p2 - 162*	*117/16/12 14:/ 9*	*117/p7/12 / T:p2*	*2/*
2-Fluorobi5henyl	*02*		*4T - 12/*	*117/16/12 14:/ 9*	*117/p7/12 / T:p2*	*2/*
2-Fluoro5henol	*44*		*2/ - 12/*	*117/16/12 14:/ 9*	*117/p7/12 / T:p2*	*2/*
Nitrobenzene-dp	*T1*		*49 - 12/*	*117/16/12 14:/ 9*	*117/p7/12 / T:p2*	*2/*
5-8er5henyl-d14	*9T*		*93 - 1p/*	*117/16/12 14:/ 9*	*117/p7/12 / T:p2*	*2/*
Phenol-dp	*2p*		*19 - 12/*	*117/16/12 14:/ 9*	*117/p7/12 / T:p2*	*2/*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.034**		0P070	0P00z6	m1S		77S/2S/2 08:40	77S/4S/2 76:4U	7
Barium	**0.47**		0P020	0P000U0	m1S		77S/2S/2 08:40	77S/4S/2 20:2u	7
Cadmium	**0.0012**		0P070	0P00z0	m1S		77S/2S/2 08:40	77S/2S/2 76:4U	7
Chromium	**0.10**		0P040	0P070	m1S		77S/2S/2 08:40	77S/2S/2 76:4U	7
Lead	**0.10**		0P00z0	0P00C0	m1S		77S/2S/2 08:40	77S/2S/2 76:4U	7
MereLi3m	0P07z	5	0P07z	0P008U	m1S		77S/2S/2 08:40	77S/2S/2 76:4U	7
Mrf'er	0P00C0	5	0P00C0	0P007U	m1S		77S/2S/2 08:40	77S/2S/2 76:4U	7

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0066**	**J**	0P070	0P00z6	m1S		77S/CS/C 0U:z0	77S/CS/2 27:76	7
Barium	**0.17**	**^**	0P020	0P000U0	m1S		77S/CS/C 0U:z0	77S/CS/2 27:76	7
I aymi3m	0P070	5	0P070	0P00z0	m1S		77S/CS/C 0U:z0	77S/CS/2 27:76	7
I hromi3m	0P040	5	0P040	0P070	m1S		77S/CS/C 0U:z0	77S/CS/2 27:76	7
, eay	0P00z0	5	0P00z0	0P00C0	m1S		77S/CS/C 0U:z0	77S/CS/2 27:76	7
MereLi3m	0P07z	5	0P07z	0P008U	m1S		77S/CS/C 0U:z0	77S/CS/2 27:76	7
Mrf'er	0P00C0	5	0P00C0	0P007U	m1S		77S/CS/C 0U:z0	77S/CS/2 27:76	7

Client Sample Results

I nieLt: TT, . ILcP
j ro/ectSMte: g a1La Mte

TestAmerica Job ID: 480-2876C-2

Client Sample ID: PH-16

Date Collected: 11/08/12 07:30
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-12

Matrix: Water

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
g erc3rx	0R0020	5	0R0020	0R0072	m1$		77S0S72 0u:7z	77S0S72 72:7C	7

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
g erc3rx	0R0020	5	0R0020	0R0072	m1$		77SCS72 0u:20	77SCS72 7z:zU	7

Client Sample ID: PH-31

Date Collected: 11/08/12 17:15
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7.7.7-Trichroroethale	7P0	5	7P0	0P82	31S			77S27S72 07:4z	7
7.7.2.2-Tetrachroroethale	7P0	5	7P0	0P27	31S			77S27S72 07:4z	7
7.7.2-Trichroroethale	7P0	5	7P0	0P2C	31S			77S27S72 07:4z	7
7.7.2-Trichroro-7.2.2-tri98oroethale	7P0	5	7P0	0PC7	31S			77S27S72 07:4z	7
7.7-Dichroroethale	7P0	5	7P0	0PC8	31S			77S27S72 07:4z	7
7.7-Dichroroethele	7P0	5	7P0	0P2u	31S			77S27S72 07:4z	7
7.2.4-TrichrorobeLKeLe	7P0	5	7P0	0P47	31S			77S27S72 07:4z	7
7.2-Dibromo-C-I hrorof rof aLe	7P0	5	7P0	0PCu	31S			77S27S72 07:4z	7
7.2-Dibromoethale	7P0	5	7P0	0PUC	31S			77S27S72 07:4z	7
7.2-DichrorobeLKeLe	7P0	5	7P0	0PUu	31S			77S27S72 07:4z	7
7.2-Dichroroethale	7P0	5	7P0	0P27	31S			77S27S72 07:4z	7
7.2-Dichrorof rof aLe	7P0	5	7P0	0PU2	31S			77S27S72 07:4z	7
7.C-DichrorobeLKeLe	7P0	5	7P0	0PU8	31S			77S27S72 07:4z	7
7.4-DichrorobeLKeLe	7P0	5	7P0	0P84	31S			77S27S72 07:4z	7
2-p eH-aLoLe	zP0	5	zP0	7P2	31S			77S27S72 07:4z	7
2-Butanone (MEK)	**4.3**	**J**	70	7PC	31S			77S27S72 07:4z	7
4-g ethxn2-f eLtaLoLe B g I(E)	zP0	5	zP0	2P7	31S			77S27S72 07:4z	7
Acetone	**29**		70	CP0	31S			77S27S72 07:4z	7
(eLKeLe	7P0	5	7P0	0P47	31S			77S27S72 07:4z	7
(romoyichromromethale	7P0	5	7P0	0PCu	31S			77S27S72 07:4z	7
(romo9orm	7P0	5	7P0	0P26	31S			77S27S72 07:4z	7
(romomethale	7P0	5	7P0	0P6u	31S			77S27S72 07:4z	7
Carbon disulfide	**0.35**	**J**	7P0	0P7u	31S			77S27S72 07:4z	7
I arboL tetrachroriye	7P0	5	7P0	0P2U	31S			77S27S72 07:4z	7
I hrorobeLKeLe	7P0	5	7P0	0PUz	31S			77S27S72 07:4z	7
Dibromochromromethale	7P0	5	7P0	0PC2	31S			77S27S72 07:4z	7
I hrroroethale	7P0	5	7P0	0PC2	31S			77S27S72 07:4z	7
I hrro9orm	7P0	5	7P0	0PC4	31S			77S27S72 07:4z	7
I hrromethale	7P0	5	7P0	0PCz	31S			77S27S72 07:4z	7
cis-7.2-Dichroroethele	7P0	5	7P0	0P87	31S			77S27S72 07:4z	7
cis-7.C-Dichrorof rof eLe	7P0	5	7P0	0PC6	31S			77S27S72 07:4z	7
I xcrohe-aLe	7P0	5	7P0	0P78	31S			77S27S72 07:4z	7
Dichroroyi98oromethale	7P0	5	7P0	0P68	31S			77S27S72 07:4z	7
d thxrbeLKeLe	7P0	5	7P0	0PU4	31S			77S27S72 07:4z	7
Isof rof xrbeLKeLe	7P0	5	7P0	0PUu	31S			77S27S72 07:4z	7
Methyl acetate	**2.8**		7P0	0P20	31S			77S27S72 07:4z	7
g ethxntert-b3txnether	7P0	5	7P0	0P76	31S			77S27S72 07:4z	7
g ethxrcxcrohe-aLe	7P0	5	7P0	0P76	31S			77S27S72 07:4z	7
g ethxreLe I hroriye	7P0	5	7P0	0P44	31S			77S27S72 07:4z	7
MtxreLe	7P0	5	7P0	0PUC	31S			77S27S72 07:4z	7
Tetrachroroethele	7P0	5	7P0	0PC6	31S			77S27S72 07:4z	7
Toluene	**0.66**	**J**	7P0	0P27	31S			77S27S72 07:4z	7
traLs-7.2-Dichroroethele	7P0	5	7P0	0P20	31S			77S27S72 07:4z	7
traLs-7.C-Dichrorof rof eLe	7P0	5	7P0	0PCU	31S			77S27S72 07:4z	7
Trichloroethene	**0.58**	**J B**	7P0	0P46	31S			77S27S72 07:4z	7
Trichroro98oromethale	7P0	5	7P0	0P88	31S			77S27S72 07:4z	7
ViLxnchroriye	7P0	5	7P0	0P20	31S			77S27S72 07:4z	7
Xxrreles. Totan	2P0	5	2P0	0P66	31S			77S27S72 07:4z	7

Client Sample Results

I nieLt: TT, . ILcP
j ro/ectSVite: g a1La Mte

TestAmerica Job ID: 480-2876C-2

Client Sample ID: PH-31
Date Collected: 11/08/12 17:15
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-13
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	39		99 - 163		11/21/12 / 1:4p	1
8oluene-dT (Surr)	00		31 - 129		11/21/12 / 1:4p	1
4-Bromofluorobenzene (Surr)	T3		36 - 12/		11/21/12 / 1:4p	1

Client Sample ID: PH-33 | **Lab Sample ID: 480-28163-14**

Date Collected: 11/08/12 16:45 | **Matrix: Water**

Date Received: 11/09/12 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7.7.7-TrichroroethaLe	7R0	5	7R0	0R82	31S			77S20S72 74:C6	7
7.7.2.2-TetrachroroethaLe	7R0	5	7R0	0F27	31S			77S20S72 74:C6	7
7.7.2-TrichroroethaLe	7R0	5	7R0	0F2C	31S			77S20S72 74:C6	7
7.7.2-Trichroro-7.2.2-tri98oroethaLe	7R0	5	7R0	0RC7	31S			77S20S72 74:C6	7
7.7-DichroroethaLe	7R0	5	7R0	0RC8	31S			77S20S72 74:C6	7
7.7-DichroroetheLe	7R0	5	7R0	0F2u	31S			77S20S72 74:C6	7
7.2.4-TrichrorobeLKeLe	7R0	5	7R0	0F47	31S			77S20S72 74:C6	7
7.2-Dibromo-C-I hrorof rof aLe	7R0	5	7R0	0RCu	31S			77S20S72 74:C6	7
7.2-DibromoethaLe	7R0	5	7R0	0RUC	31S			77S20S72 74:C6	7
7.2-DichrorobeLKeLe	7R0	5	7R0	0RUu	31S			77S20S72 74:C6	7
7.2-DichroroethaLe	7R0	5	7R0	0F27	31S			77S20S72 74:C6	7
7.2-Dichrorof rof aLe	7R0	5	7R0	0RU2	31S			77S20S72 74:C6	7
7.C-DichrorobeLKeLe	7R0	5	7R0	0RU8	31S			77S20S72 74:C6	7
7.4-DichrorobeLKeLe	7R0	5	7R0	0R84	31S			77S20S72 74:C6	7
2-p eH-aLoLe	zR0	5	zR0	7F2	31S			77S20S72 74:C6	7
2-(3taLoLe Bg d E)	70	5	70	7RC	31S			77S20S72 74:C6	7
4-g ethxn2-f eLtaLoLe Bg I(E)	zR0	5	zR0	2F7	31S			77S20S72 74:C6	7
AcetoLe	70	5	70	CR0	31S			77S20S72 74:C6	7
(eLKeLe	7R0	5	7R0	0F47	31S			77S20S72 74:C6	7
(romoyichroromethaLe	7R0	5	7R0	0RCu	31S			77S20S72 74:C6	7
(romo9orm	7R0	5	7R0	0F26	31S			77S20S72 74:C6	7
(romomethaLe	7R0	5	7R0	0R6u	31S			77S20S72 74:C6	7
I arboL yis3r9ye	7R0	5	7R0	0F7u	31S			77S20S72 74:C6	7
I arboL tetrachroriye	7R0	5	7R0	0F2U	31S			77S20S72 74:C6	7
I hrorobeLKeLe	7R0	5	7R0	0RUz	31S			77S20S72 74:C6	7
Dibromochroromethale	7R0	5	7R0	0RC2	31S			77S20S72 74:C6	7
I hroroethaLe	7R0	5	7R0	0RC2	31S			77S20S72 74:C6	7
I hroro9orm	7R0	5	7R0	0RC4	31S			77S20S72 74:C6	7
I hroromethaLe	7R0	5	7R0	0RCz	31S			77S20S72 74:C6	7
cis-7.2-DichroroetheLe	7R0	5	7R0	0R87	31S			77S20S72 74:C6	7
cis-7.C-Dichrorof rof eLe	7R0	5	7R0	0RC6	31S			77S20S72 74:C6	7
I xcroheH-aLe	7R0	5	7R0	0F78	31S			77S20S72 74:C6	7
Dichroroyi98oromethaLe	7R0	5	7R0	0R68	31S			77S20S72 74:C6	7
d thxrbeLKeLe	7R0	5	7R0	0RU4	31S			77S20S72 74:C6	7
Isof rof xrbeLKeLe	7R0	5	7R0	0RUu	31S			77S20S72 74:C6	7
g ethxnacetate	7R0	5	7R0	0F20	31S			77S20S72 74:C6	7
g ethxntert-b3txnether	7R0	5	7R0	0F76	31S			77S20S72 74:C6	7
g ethxrcxcroheH-aLe	7R0	5	7R0	0F76	31S			77S20S72 74:C6	7
g ethxreLe I hroriye	7R0	5	7R0	0F44	31S			77S20S72 74:C6	7
MtxreLe	7R0	5	7R0	0RUC	31S			77S20S72 74:C6	7
TetrachroroetheLe	7R0	5	7R0	0RC6	31S			77S20S72 74:C6	7
Tor3eLe	7R0	5	7R0	0F27	31S			77S20S72 74:C6	7
traLs-7.2-DichroroetheLe	7R0	5	7R0	0R20	31S			77S20S72 74:C6	7
traLs-7.C-Dichrorof rof eLe	7R0	5	7R0	0RCU	31S			77S20S72 74:C6	7
TrichroroetheLe	7R0	5	7R0	0F46	31S			77S20S72 74:C6	7
Trichroro98oromethaLe	7R0	5	7R0	0R88	31S			77S20S72 74:C6	7
ViLxnchroriye	7R0	5	7R0	0R20	31S			77S20S72 74:C6	7
XxreLes. Totan	2R0	5	2R0	0R66	31S			77S20S72 74:C6	7

Client Sample ID: PH-33

Date Collected: 11/08/12 16:45
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-14

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*1/ 1*		*99 - 163*		*11 72/ 7 12 14:69*	*1*
8oluene-dT (Surr)	*1/ T*		*31 - 129*		*11 72/ 7 12 14:69*	*1*
4-Bromofluorobenzene (Surr)	*1/ 9*		*36 - 12/*		*11 72/ 7 12 14:69*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
(if heLxn	zP0	5	zP0	0F66	31S		77S7CS72 74:06	77SzS72 0u:76	7
bis B2-chroroisof rof xr) ether	zP0	5	zP0	0F22	31S		77S7CS72 74:06	77SzS72 0u:76	7
2.4.z-Trichrorof heLon	zP0	5	zP0	0F48	31S		77S7CS72 74:06	77SzS72 0u:76	7
2.4.6-Trichrorof heLon	zP0	5	zP0	0F62	31S		77S7CS72 74:06	77SzS72 0u:76	7
2.4-Dichrorof heLon	zP0	5	zP0	0F27	31S		77S7CS72 74:06	77SzS72 0u:76	7
2.4-Dimethxrf heLon	zP0	5	zP0	0F20	31S		77S7CS72 74:06	77SzS72 0u:76	7
2.4-DiLitrof heLon	70	5	70	2F2	31S		77S7CS72 74:06	77SzS72 0u:76	7
2.4-DiLitrotor3eLe	zP0	5	zP0	0F4z	31S		77S7CS72 74:06	77SzS72 0u:76	7
2.6-DiLitrotor3eLe	zP0	5	zP0	0F40	31S		77S7CS72 74:06	77SzS72 0u:76	7
2-I hroroLaf hthareLe	zP0	5	zP0	0F46	31S		77S7CS72 74:06	77SzS72 0u:76	7
2-I hrorof heLon	zP0	5	zP0	0F2C	31S		77S7CS72 74:06	77SzS72 0u:76	7
2-g ethxrLaf hthareLe	zP0	5	zP0	0F67	31S		77S7CS72 74:06	77SzS72 0u:76	7
2-g ethxrf heLon	zP0	5	zP0	0F40	31S		77S7CS72 74:06	77SzS72 0u:76	7
2-NitroaLiriLe	70	5	70	0F42	31S		77S7CS72 74:06	77SzS72 0u:76	7
2-Nitrof heLon	zP0	5	zP0	0F48	31S		77S7CS72 74:06	77SzS72 0u:76	7
C.C-DichrorobeLKiyiLe	zP0	5	zP0	0F40	31S		77S7CS72 74:06	77SzS72 0u:76	7
C-NitroaLiriLe	70	5	70	0F48	31S		77S7CS72 74:06	77SzS72 0u:76	7
4.6-DiLitro-2-methxrf heLon	70	5	70	2F2	31S		77S7CS72 74:06	77SzS72 0u:76	7
4-(romof heLxnf heLxnether	zP0	5	zP0	0F4z	31S		77S7CS72 74:06	77SzS72 0u:76	7
4-I hroro-C-methxrf heLon	zP0	5 F	zP0	0F4z	31S		77S7CS72 74:06	77SzS72 0u:76	7
4-I hroroaLiriLe	zP0	5	zP0	0F60	31S		77S7CS72 74:06	77SzS72 0u:76	7
4-I hrorof heLxnf heLxnether	zP0	5	zP0	0FCz	31S		77S7CS72 74:06	77SzS72 0u:76	7
4-g ethxrf heLon	70	5	70	0FC6	31S		77S7CS72 74:06	77SzS72 0u:76	7
4-NitroaLiriLe	70	5	70	0F2z	31S		77S7CS72 74:06	77SzS72 0u:76	7
4-Nitrof heLon	70	5	70	7F2	31S		77S7CS72 74:06	77SzS72 0u:76	7
AceLaf htheLe	zP0	5	zP0	0F47	31S		77S7CS72 74:06	77SzS72 0u:76	7
AceLaf hthxreLe	zP0	5	zP0	0FC8	31S		77S7CS72 74:06	77SzS72 0u:76	7
Acetof heLoLe	zP0	5	zP0	0F24	31S		77S7CS72 74:06	77SzS72 0u:76	7
ALthraceLe	zP0	5	zP0	0F28	31S		77S7CS72 74:06	77SzS72 0u:76	7
AtraKiLe	zP0	5	zP0	0F46	31S		77S7CS72 74:06	77SzS72 0u:76	7
(eLKanyehxye	zP0	5	zP0	0F2U	31S		77S7CS72 74:06	77SzS72 0u:76	7
(eLKoBa)aLthraceLe	zP0	5	zP0	0FC6	31S		77S7CS72 74:06	77SzS72 0u:76	7
(eLKoBa)f xreLe	zP0	5	zP0	0F4U	31S		77S7CS72 74:06	77SzS72 0u:76	7
(eLKoBb)98oraLtheLe	zP0	5 F	zP0	0FC4	31S		77S7CS72 74:06	77SzS72 0u:76	7
(eLKoBl.h.i)f erxreLe	zP0	5	zP0	0FCz	31S		77S7CS72 74:06	77SzS72 0u:76	7
(eLKoBv)98oraLtheLe	zP0	5	zP0	0FU4	31S		77S7CS72 74:06	77SzS72 0u:76	7
(isB2-chroroethoH-k)methaLe	zP0	5	zP0	0FCz	31S		77S7CS72 74:06	77SzS72 0u:76	7
(isB2-chroroethxr)ether	zP0	5	zP0	0F40	31S		77S7CS72 74:06	77SzS72 0u:76	7
(isB2-ethxrneH-kr) f hthamate	zP0	5	zP0	7F8	31S		77S7CS72 74:06	77SzS72 0u:76	7
(3txnbeLKxnf hthamate	zP0	5	zP0	0F42	31S		77S7CS72 74:06	77SzS72 0u:76	7
I af roractam	zP0	5	zP0	2F2	31S		77S7CS72 74:06	77SzS72 0u:76	7
I arbaKore	zP0	5	zP0	0FC0	31S		77S7CS72 74:06	77SzS72 0u:76	7
I hrxseLe	zP0	5	zP0	0FCC	31S		77S7CS72 74:06	77SzS72 0u:76	7
Di-L-b3txnf hthamate	zP0	5	zP0	0FC7	31S		77S7CS72 74:06	77SzS72 0u:76	7

Client Sample ID: PH-33

Date Collected: 11/08/12 16:45
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-L-octxnf hthamate	zR0	5	zR0	0R4U	31S		77S/CS/2 74:06	77S/zS/2 0u:76	7
DibeLKBa.h)aLthraceLe	zR0	5	zR0	0R42	31S		77S/CS/2 74:06	77S/zS/2 0u:76	7
DibeLKoS3raL	70	5	70	0R27	31S		77S/CS/2 74:06	77S/zS/2 0u:76	7
Diethxnf hthamate	zR0	5	zR0	0R22	31S		77S/CS/2 74:06	77S/zS/2 0u:76	7
Dimethxnf hthamate	zR0	5	zR0	0R06	31S		77S/CS/2 74:06	77S/zS/2 0u:76	7
kr3oraLtheLe	zR0	5	zR0	0R40	31S		77S/CS/2 74:06	77S/zS/2 0u:76	7
kr3oreLe	zR0	5	zR0	0R06	31S		77S/CS/2 74:06	77S/zS/2 0u:76	7
p eHachrorobeLKeLe	zR0	5 F	zR0	0R27	31S		77S/CS/2 74:06	77S/zS/2 0u:76	7
p eHachrorob3tayieLe	zR0	5	zR0	0R6u	31S		77S/CS/2 74:06	77S/zS/2 0u:76	7
p eHachrorocxcrof eLtayieLe	zR0	5	zR0	0R60	31S		77S/CS/2 74:06	77S/zS/2 0u:76	7
p eHachroroethaLe	zR0	5	zR0	0R60	31S		77S/CS/2 74:06	77S/zS/2 0u:76	7
ILyeLoB7.2.C-cy)f xreLe	zR0	5	zR0	0R4U	31S		77S/CS/2 74:06	77S/zS/2 0u:76	7
Isof horoLe	zR0	5	zR0	0R4C	31S		77S/CS/2 74:06	77S/zS/2 0u:76	7
N-Nitrosoyi-L-f rof xramiLe	zR0	5	zR0	0R24	31S		77S/CS/2 74:06	77S/zS/2 0u:76	7
N-Nitrosoyif heLxramiLe	zR0	5	zR0	0R27	31S		77S/CS/2 74:06	77S/zS/2 0u:76	7
Naf hthameLe	zR0	5	zR0	0RUU	31S		77S/CS/2 74:06	77S/zS/2 0u:76	7
NitrobeLKeLe	zR0	5	zR0	0R2u	31S		77S/CS/2 74:06	77S/zS/2 0u:76	7
j eLtachrorof heLon	70	5	70	2R2	31S		77S/CS/2 74:06	77S/zS/2 0u:76	7
j heLaLthreLe	zR0	5	zR0	0R44	31S		77S/CS/2 74:06	77S/zS/2 0u:76	7
j heLon	zR0	5	zR0	0R0u	31S		77S/CS/2 74:06	77S/zS/2 0u:76	7
j xreLe	zR0	5	zR0	0R04	31S		77S/CS/2 74:06	77S/zS/2 0u:76	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,9-8ribromo5henol	*126*		*p2 - 162*	*117/16/12 14:/ 9*	*117/p7/12 / 0:19*	*1*
2-Fluorobi5henyl	*09*		*4T - 12/*	*117/16/12 14:/ 9*	*117/p7/12 / 0:19*	*1*
2-Fluoro5henol	*p1*		*2/ - 12/*	*117/16/12 14:/ 9*	*117/p7/12 / 0:19*	*1*
Nitrobenzene-dp	*00*		*49 - 12/*	*117/16/12 14:/ 9*	*117/p7/12 / 0:19*	*1*
5-8er5henyl-d14	*3/*		*93 - 1p/*	*117/16/12 14:/ 9*	*117/p7/12 / 0:19*	*1*
Phenol-dp	*6T*		*19 - 12/*	*117/16/12 14:/ 9*	*117/p7/12 / 0:19*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.10**		0R070	0R00z6	m1S		77S/2S/2 08:40	77S/4S/2 76:4u	7
Barium	**2.5**		0R020	0R000U0	m1S		77S/2S/2 08:40	77S/4S/2 20:C7	7
Cadmium	**0.0014**		0R070	0R00z0	m1S		77S/2S/2 08:40	77S/2S/2 76:4u	7
Chromium	**0.11**		0R040	0R070	m1S		77S/2S/2 08:40	77S/2S/2 76:4u	7
Lead	**0.15**		0R00z0	0R00C0	m1S		77S/2S/2 08:40	77S/2S/2 76:4u	7
MereLi3m	0R07z	5	0R07z	0R008U	m1S		77S/2S/2 08:40	77S/2S/2 76:4u	7
Mrf'er	0R00C0	5	0R00C0	0R007U	m1S		77S/2S/2 08:40	77S/2S/2 76:4u	7

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.011**		0R070	0R00z6	m1S		77S/CS/C 0U:z0	77S/CS/2 27:78	7
Barium	**0.067**		0R020	0R000U0	m1S		77S/CS/2 0U:z0	77S/uS/2 2C:78	7
I aymi3m	0R070	5	0R070	0R00z0	m1S		77S/CS/C 0U:z0	77S/CS/2 27:78	7
I hromi3m	0R040	5	0R040	0R070	m1S		77S/CS/C 0U:z0	77S/CS/2 27:78	7
, eay	0R00z0	5	0R00z0	0R00C0	m1S		77S/CS/C 0U:z0	77S/CS/2 27:78	7
MereLi3m	0R07z	5	0R07z	0R008U	m1S		77S/CS/C 0U:z0	77S/CS/2 27:78	7
Mrf'er	0R00C0	5	0R00C0	0R007U	m1S		77S/CS/C 0U:z0	77S/CS/2 27:78	7

Client Sample Results

I nieLt: TT, . ILcP
j ro/ectSMte: g a1La Mte

TestAmerica Job ID: 480-2876C-2

Client Sample ID: PH-33

Date Collected: 11/08/12 16:45
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-14

Matrix: Water

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
g erc3rx	0R0020	5	0R0020	0R0072	m1$		77S0S72 0u:7z	77S0S72 72:7z	7

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
g erc3rx	0R0020	5	0R0020	0R0072	m1$		77SCS72 0u:20	77SCS72 7z:z8	7

Client Sample ID: TB

Date Collected: 11/08/12 00:00
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7.7.7-TrichroroethaLe	7P0	5	7P0	0P82	31Ş			77S20S72 0z:C0	7
7.7.2.2-TetrachroroethaLe	7P0	5	7P0	0P27	31Ş			77S20S72 0z:C0	7
7.7.2-TrichroroethaLe	7P0	5	7P0	0P2C	31Ş			77S20S72 0z:C0	7
7.7.2-Trichroro-7.2.2-tri98oroethaLe	7P0	5	7P0	0PC7	31Ş			77S20S72 0z:C0	7
7.7-DichroroethaLe	7P0	5	7P0	0PC8	31Ş			77S20S72 0z:C0	7
7.7-DichroroetheLe	7P0	5	7P0	0P2u	31Ş			77S20S72 0z:C0	7
7.2.4-TrichrorobeLKeLe	7P0	5	7P0	0P47	31Ş			77S20S72 0z:C0	7
7.2-Dibromo-C-I hrorof rof aLe	7P0	5	7P0	0PCu	31Ş			77S20S72 0z:C0	7
7.2-DibromoethaLe	7P0	5	7P0	0PUC	31Ş			77S20S72 0z:C0	7
7.2-DichrorobeLKeLe	7P0	5	7P0	0PUu	31Ş			77S20S72 0z:C0	7
7.2-DichroroethaLe	7P0	5	7P0	0P27	31Ş			77S20S72 0z:C0	7
7.2-Dichrorof rof aLe	7P0	5	7P0	0PU2	31Ş			77S20S72 0z:C0	7
7.C-DichrorobeLKeLe	7P0	5	7P0	0PU8	31Ş			77S20S72 0z:C0	7
7.4-DichrorobeLKeLe	7P0	5	7P0	0P84	31Ş			77S20S72 0z:C0	7
2-p eH-aLoLe	zP0	5	zP0	7P2	31Ş			77S20S72 0z:C0	7
2-(3taLoLe Bg d E)	70	5	70	7PC	31Ş			77S20S72 0z:C0	7
4-g ethxn2-f eLtaLoLe Bg I(E)	zP0	5	zP0	2P7	31Ş			77S20S72 0z:C0	7
AcetoLe	70	5	70	CP0	31Ş			77S20S72 0z:C0	7
(eLKeLe	7P0	5	7P0	0P47	31Ş			77S20S72 0z:C0	7
(romoyichroromethaLe	7P0	5	7P0	0PCu	31Ş			77S20S72 0z:C0	7
(romo9orm	7P0	5	7P0	0P26	31Ş			77S20S72 0z:C0	7
(romomethaLe	7P0	5	7P0	0P6u	31Ş			77S20S72 0z:C0	7
I arboL yis3n9ye	7P0	5	7P0	0P7u	31Ş			77S20S72 0z:C0	7
I arboL tetrachroriye	7P0	5	7P0	0P2U	31Ş			77S20S72 0z:C0	7
I hrorobeLKeLe	7P0	5	7P0	0PUz	31Ş			77S20S72 0z:C0	7
Dibromochroromethale	7P0	5	7P0	0PC2	31Ş			77S20S72 0z:C0	7
I hroroethaLe	7P0	5	7P0	0PC2	31Ş			77S20S72 0z:C0	7
I hroro9orm	7P0	5	7P0	0PC4	31Ş			77S20S72 0z:C0	7
I hroromethaLe	7P0	5	7P0	0PCz	31Ş			77S20S72 0z:C0	7
cis-7.2-DichroroetheLe	7P0	5	7P0	0P87	31Ş			77S20S72 0z:C0	7
cis-7.C-Dichrorof rof eLe	7P0	5	7P0	0PC6	31Ş			77S20S72 0z:C0	7
I xcrohe-aLe	7P0	5	7P0	0P78	31Ş			77S20S72 0z:C0	7
Dichroroyi98oromethaLe	7P0	5	7P0	0P68	31Ş			77S20S72 0z:C0	7
d thxrbeLKeLe	7P0	5	7P0	0PU4	31Ş			77S20S72 0z:C0	7
Isof rof xrbeLKeLe	7P0	5	7P0	0PUu	31Ş			77S20S72 0z:C0	7
g ethxnacetate	7P0	5	7P0	0P20	31Ş			77S20S72 0z:C0	7
g ethxntert-b3txnether	7P0	5	7P0	0P76	31Ş			77S20S72 0z:C0	7
g ethxrcxcrohe-aLe	7P0	5	7P0	0P76	31Ş			77S20S72 0z:C0	7
g ethxreLe I hroriye	7P0	5	7P0	0P44	31Ş			77S20S72 0z:C0	7
MtxreLe	7P0	5	7P0	0PUC	31Ş			77S20S72 0z:C0	7
TetrachroroetheLe	7P0	5	7P0	0PC6	31Ş			77S20S72 0z:C0	7
Tor3eLe	7P0	5	7P0	0P27	31Ş			77S20S72 0z:C0	7
traLs-7.2-DichroroetheLe	7P0	5	7P0	0P20	31Ş			77S20S72 0z:C0	7
traLs-7.C-Dichrorof rof eLe	7P0	5	7P0	0PCU	31Ş			77S20S72 0z:C0	7
TrichroroetheLe	7P0	5	7P0	0P46	31Ş			77S20S72 0z:C0	7
Trichroro98oromethaLe	7P0	5	7P0	0P88	31Ş			77S20S72 0z:C0	7
ViLxnchroriye	7P0	5	7P0	0P20	31Ş			77S20S72 0z:C0	7
XxreLes. Totan	2P0	5	2P0	0P66	31Ş			77S20S72 0z:C0	7

Client Sample Results

I nieLt: TT, . ILcP
j ro/ectSMte: g a1La Mte

TestAmerica Job ID: 480-2876C-2

Client Sample ID: TB

Date Collected: 11/08/12 00:00
Date Received: 11/09/12 08:00

Lab Sample ID: 480-28163-15

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	T6		99 - 163		11T2/ 7/12 / p:6/	1
8oluene-dT (Surr)	0T		31 - 129		11T2/ 7/12 / p:6/	1
4-Bromofluorobenzene (Surr)	T9		36 - 12/		11T2/ 7/12 / p:6/	1

Surrogate Summary

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28163-2

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	TOL	BFB
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)
480-28163-12	PH-16	96	96	92
480-28163-13	PH-31	76	99	87
480-28163-14	PH-33	101	108	106
480-28163-15	TB	83	98	86
LCS 480-91863/3	Lab Control Sample	94	99	93
LCS 480-91975/5	Lab Control Sample	103	108	107
LCS 480-92099/3	Lab Control Sample	89	98	90
MB 480-91863/5	Method Blank	95	100	92
MB 480-91975/6	Method Blank	101	108	106
MB 480-92099/4	Method Blank	91	99	90

Surrogate Legend

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

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPH	PHL
Lab Sample ID	Client Sample ID	(52-132)	(48-120)	(20-120)	(46-120)	(67-150)	(16-120)
480-28163-12	PH-16	105	92	44	81	68	25
480-28163-14	PH-33	123	96	51	99	70	38
LCS 480-90641/2-A	Lab Control Sample	128	103	58	109	111	44
MB 480-90641/1-A	Method Blank	123	96	54	102	104	39

Surrogate Legend

TBP = 2,4,6-Tribromophenol

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

TPH = p-Terphenyl-d14

PHL = Phenol-d5

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

Lab Sample ID: MB 480-91863/5
Matrix: Water
Analysis Batch: 91863

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7.7.7-TrichroroethaLe	7R0	5	7R0	0R82	31S			77S7US72 22:C6	7
7.7.2.2-TetrachroroethaLe	7R0	5	7R0	0R27	31S			77S7US72 22:C6	7
7.7.2-TrichroroethaLe	7R0	5	7R0	0R2C	31S			77S7US72 22:C6	7
7.7.2-Trichroro-7.2.2-tri98oroethaLe	7R0	5	7R0	0RC7	31S			77S7US72 22:C6	7
7.7-DichroroethaLe	7R0	5	7R0	0RC8	31S			77S7US72 22:C6	7
7.7-DichroroetheLe	7R0	5	7R0	0R2U	31S			77S7US72 22:C6	7
7.2.4-TrichrorobeLueLe	7R0	5	7R0	0R47	31S			77S7US72 22:C6	7
7.2-Dibromo-C-I hroroKroKaLe	7R0	5	7R0	0RCU	31S			77S7US72 22:C6	7
7.2-DibromoethaLe	7R0	5	7R0	0RF C	31S			77S7US72 22:C6	7
7.2-DichrorobeLueLe	7R0	5	7R0	0RF U	31S			77S7US72 22:C6	7
7.2-DichroroethaLe	7R0	5	7R0	0R27	31S			77S7US72 22:C6	7
7.2-DichroroKroKaLe	7R0	5	7R0	0RF2	31S			77S7US72 22:C6	7
7.C-DichrorobeLueLe	7R0	5	7R0	0RF8	31S			77S7US72 22:C6	7
7.4-DichrorobeLueLe	7R0	5	7R0	0R84	31S			77S7US72 22:C6	7
2-p eHaLoLe	zR0	5	zR0	7R2	31S			77S7US72 22:C6	7
2-x 3taLoLe B9 (E)	70	5	70	7RC	31S			77S7US72 22:C6	7
4-g ethyn2-KeLtaLoLe B9 Ix E)	zR0	5	zR0	2R7	31S			77S7US72 22:C6	7
AcetoLe	70	5	70	CR0	31S			77S7US72 22:C6	7
x eLueLe	7R0	5	7R0	0R47	31S			77S7US72 22:C6	7
x romodichroromethaLe	7R0	5	7R0	0RCU	31S			77S7US72 22:C6	7
x romo9orm	7R0	5	7R0	0R26	31S			77S7US72 22:C6	7
x romomethaLe	7R0	5	7R0	0R6U	31S			77S7US72 22:C6	7
I arboL dis3ide	7R0	5	7R0	0R7U	31S			77S7US72 22:C6	7
I arboL tetrachroride	7R0	5	7R0	0R2f	31S			77S7US72 22:C6	7
I hrorobeLueLe	7R0	5	7R0	0RF z	31S			77S7US72 22:C6	7
Dibromochroromethale	7R0	5	7R0	0RC2	31S			77S7US72 22:C6	7
I hroroethaLe	7R0	5	7R0	0RC2	31S			77S7US72 22:C6	7
I hroro9orm	7R0	5	7R0	0RC4	31S			77S7US72 22:C6	7
I hroromethaLe	7R0	5	7R0	0RCz	31S			77S7US72 22:C6	7
cis-7.2-DichroroetheLe	7R0	5	7R0	0R87	31S			77S7US72 22:C6	7
cis-7.C-DichroroKroKeLe	7R0	5	7R0	0RC6	31S			77S7US72 22:C6	7
I ycroheHaLe	7R0	5	7R0	0R78	31S			77S7US72 22:C6	7
Dichrorodi98oromethaLe	7R0	5	7R0	0R68	31S			77S7US72 22:C6	7
(thyrbeLueLe	7R0	5	7R0	0RF4	31S			77S7US72 22:C6	7
IsoKroKyrbeLueLe	7R0	5	7R0	0RF U	31S			77S7US72 22:C6	7
g ethynacetate	7R0	5	7R0	0R20	31S			77S7US72 22:C6	7
g ethyntert-b3tynether	7R0	5	7R0	0R76	31S			77S7US72 22:C6	7
g ethyrcycroheHaLe	7R0	5	7R0	0R76	31S			77S7US72 22:C6	7
g ethyreLe I hroride	7R0	5	7R0	0R44	31S			77S7US72 22:C6	7
MtyreLe	7R0	5	7R0	0RF C	31S			77S7US72 22:C6	7
TetrachroroetheLe	7R0	5	7R0	0RC6	31S			77S7US72 22:C6	7
Tor3eLe	7R0	5	7R0	0R27	31S			77S7US72 22:C6	7
traLs-7.2-DichroroetheLe	7R0	5	7R0	0RU0	31S			77S7US72 22:C6	7
traLs-7.C-DichroroKroKeLe	7R0	5	7R0	0RCf	31S			77S7US72 22:C6	7
TrichroroetheLe	7R0	5	7R0	0R46	31S			77S7US72 22:C6	7
Trichroro98oromethaLe	7R0	5	7R0	0R38	31S			77S7US72 22:C6	7
ViLynchroride	7R0	5	7R0	0RU0	31S			77S7US72 22:C6	7
XyreLes. Totan	2R0	5	2R0	0R66	31S			77S7US72 22:C6	7

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

Lab Sample ID: MB 480-91863/5
Matrix: Water
Analysis Batch: 91863

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	09		66 - 137		11/10/12 22:36	1
Toluene-dB (Surr)	188		71 - 126		11/10/12 22:36	1
4-mrof obluorozen5ene (Surr)	02		73 - 128		11/10/12 22:36	1

Lab Sample ID: LCS 480-91863/3
Matrix: Water
Analysis Batch: 91863

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
7.7-DichroroethaLe	2zR0	24RC		31S		Uf	f 7 - 72U
7.7-DichroroetheLe	2zR0	27R6		31S		86	z8 - 727
7.2-DichrorobeLueLe	2zR0	2zR7		31S		700	80 - 724
7.2-DichroroethaLe	2zR0	2CR9		31S		Uz	f z - 72f
x eLueLe	2zR0	24R9		31S		UU	f 7 - 724
l hrorobeLueLe	2zR0	2zR4		31S		707	f 2 - 720
cis-7.2-DichroroetheLe	2zR0	24R2		31S		U8	f 4 - 724
(thyrbeLueLe	2zR0	24RU		31S		700	f f - 72C
g ethyntert-b3tynether	2zR0	22R7		31S		8U	64 - 72f
TetrachroroetheLe	2zR0	2CR2		31S		U4	f 4 - 722
Tor3eLe	2zR0	24R6		31S		U8	80 - 722
traLs-7.2-DichroroetheLe	2zR0	2zRC		31S		707	f C - 72f
TrichroroetheLe	2zR0	2CRU		31S		U6	f 4 - 72C

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	04		66 - 137
Toluene-dB (Surr)	00		71 - 126
4-mrof obluorozen5ene (Surr)	03		73 - 128

Lab Sample ID: MB 480-91975/6
Matrix: Water
Analysis Batch: 91975

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7.7.7-TrichroroethaLe	7R0	5	7R0	0R82	31S			77S20S72 72:42	7
7.7.2.2-TetrachroroethaLe	7R0	5	7R0	0R27	31S			77S20S72 72:42	7
7.7.2-TrichroroethaLe	7R0	5	7R0	0R2C	31S			77S20S72 72:42	7
7.7.2-Trichroro-7.2.2-tri98oroethaLe	7R0	5	7R0	0RC7	31S			77S20S72 72:42	7
7.7-DichroroethaLe	7R0	5	7R0	0RC8	31S			77S20S72 72:42	7
7.7-DichroroetheLe	7R0	5	7R0	0R2U	31S			77S20S72 72:42	7
7.2.4-TrichrorobeLueLe	7R0	5	7R0	0R47	31S			77S20S72 72:42	7
7.2-Dibromo-C-l hroroKroKaLe	7R0	5	7R0	0RCU	31S			77S20S72 72:42	7
7.2-DibromoethaLe	7R0	5	7R0	0R9C	31S			77S20S72 72:42	7
7.2-DichrorobeLueLe	7R0	5	7R0	0R9U	31S			77S20S72 72:42	7
7.2-DichroroethaLe	7R0	5	7R0	0R27	31S			77S20S72 72:42	7
7.2-DichroroKroKaLe	7R0	5	7R0	0R92	31S			77S20S72 72:42	7
7.C-DichrorobeLueLe	7R0	5	7R0	0R98	31S			77S20S72 72:42	7
7.4-DichrorobeLueLe	7R0	5	7R0	0R84	31S			77S20S72 72:42	7
2-p eHaLoLe	zR0	5	zR0	7R2	31S			77S20S72 72:42	7

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

Lab Sample ID: MB 480-91975/6
Matrix: Water
Analysis Batch: 91975

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-x 3taLoLe Bg (E)	70	5	70	7PC	31S			77S20S72 72:42	7
4-g ethyn2-KeLtaLoLe Bg Ix E)	zP0	5	zP0	2P7	31S			77S20S72 72:42	7
AcetoLe	70	5	70	CP0	31S			77S20S72 72:42	7
x eLueLe	7P0	5	7P0	0P47	31S			77S20S72 72:42	7
x romodichromomethaLe	7P0	5	7P0	0PCU	31S			77S20S72 72:42	7
x romo9orm	7P0	5	7P0	0P26	31S			77S20S72 72:42	7
x romomethaLe	7P0	5	7P0	0P6U	31S			77S20S72 72:42	7
I arboL dis3ide	7P0	5	7P0	0P7U	31S			77S20S72 72:42	7
I arboL tetrachoride	7P0	5	7P0	0P2f	31S			77S20S72 72:42	7
I hoorobeLueLe	7P0	5	7P0	0P7z	31S			77S20S72 72:42	7
DibromochromomethaLe	7P0	5	7P0	0PC2	31S			77S20S72 72:42	7
I horoethaLe	7P0	5	7P0	0PC2	31S			77S20S72 72:42	7
I horo9orm	7P0	5	7P0	0PC4	31S			77S20S72 72:42	7
I horomethaLe	7P0	5	7P0	0PCz	31S			77S20S72 72:42	7
cis-7.2-DichoroetheLe	7P0	5	7P0	0P87	31S			77S20S72 72:42	7
cis-7.C-DichoroKroKeLe	7P0	5	7P0	0PC6	31S			77S20S72 72:42	7
I ycoheHaLe	7P0	5	7P0	0P78	31S			77S20S72 72:42	7
Dichorodi98oromethaLe	7P0	5	7P0	0P68	31S			77S20S72 72:42	7
(thyobeLueLe	7P0	5	7P0	0P74	31S			77S20S72 72:42	7
IsoKroKyobeLueLe	7P0	5	7P0	0PU	31S			77S20S72 72:42	7
g ethynacetate	7P0	5	7P0	0P20	31S			77S20S72 72:42	7
g ethyntert-b3tynether	7P0	5	7P0	0P76	31S			77S20S72 72:42	7
g ethyocycoheHaLe	7P0	5	7P0	0P76	31S			77S20S72 72:42	7
g ethyeLe I horide	7P0	5	7P0	0P44	31S			77S20S72 72:42	7
MtyreLe	7P0	5	7P0	0PC	31S			77S20S72 72:42	7
TetrachoroetheLe	7P0	5	7P0	0PC6	31S			77S20S72 72:42	7
Tor3eLe	7P0	5	7P0	0Pz7	31S			77S20S72 72:42	7
traLs-7.2-DichoroetheLe	7P0	5	7P0	0PU0	31S			77S20S72 72:42	7
traLs-7.C-DichoroKroKeLe	7P0	5	7P0	0PCf	31S			77S20S72 72:42	7
TrichoroetheLe	7P0	5	7P0	0P46	31S			77S20S72 72:42	7
Trichoro98oromethaLe	7P0	5	7P0	0P88	31S			77S20S72 72:42	7
ViLynchoride	7P0	5	7P0	0PU0	31S			77S20S72 72:42	7
XyeLes. Totan	2P0	5	2P0	0P66	31S			77S20S72 72:42	7

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*181*		*66 - 137*		*11/28/12 12:42*	*1*
Toluene-dB (Surr)	*18B*		*71 - 126*		*11/28/12 12:42*	*1*
4-mrof obuorozen5ene (Surr)	*186*		*73 - 128*		*11/28/12 12:42*	*1*

Lab Sample ID: LCS 480-91975/5
Matrix: Water
Analysis Batch: 91975

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
7.7-DichoroethaLe	2zP0	26PC		31S		70z	f7 - 72U
7.7-DichoroetheLe	2zP0	27PU		31S		88	z8 - 727
7.2-DichorobeLueLe	2zP0	26P8		31S		70f	80 - 724
7.2-DichoroethaLe	2zP0	2zPC		31S		707	fz - 72f

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

Lab Sample ID: LCS 480-91975/5
Matrix: Water
Analysis Batch: 91975

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
x eLueLe	2zF0	26F		31S		70f	f 7 - 724
l hrorobeLueLe	2zF0	2f F7		31S		708	f 2 - 720
cis-7.2-DichroroetheLe	2zF0	26F8		31S		70f	f 4 - 724
(thyrbeLueLe	2zF0	2f F4		31S		770	f f - 72C
g ethyntert-b3tynether	2zF0	24F		31S		UU	64 - 72f
TetrachroroetheLe	2zF0	2UF0		31S		776	f 4 - 722
Tor3eLe	2zF0	26FU		31S		70f	80 - 722
traLs-7.2-DichroroetheLe	2zF0	28F4		31S		774	f C - 72f
TrichroroetheLe	2zF0	2f F7		31S		708	f 4 - 72C

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*183*		*66 - 137*
Toluene-dB (Surr)	*18B*		*71 - 126*
4-mrof obluorozen5ene (Surr)	*187*		*73 - 128*

Lab Sample ID: MB 480-92099/4
Matrix: Water
Analysis Batch: 92099

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7.7.7-TrichroroethaLe	7F0	5	7F0	0F32	31S			77S20S72 2C:z0	7
7.7.2.2-TetrachroroethaLe	7F0	5	7F0	0F27	31S			77S20S72 2C:z0	7
7.7.2-TrichroroethaLe	7F0	5	7F0	0F2C	31S			77S20S72 2C:z0	7
7.7.2-Trichroro-7.2.2-tri98oroethaLe	7F0	5	7F0	0FC7	31S			77S20S72 2C:z0	7
7.7-DichroroethaLe	7F0	5	7F0	0FC8	31S			77S20S72 2C:z0	7
7.7-DichroroetheLe	7F0	5	7F0	0F2U	31S			77S20S72 2C:z0	7
7.2.4-TrichrorobeLueLe	7F0	5	7F0	0F47	31S			77S20S72 2C:z0	7
7.2-Dibromo-C-l hroroKroKaLe	7F0	5	7F0	0FCU	31S			77S20S72 2C:z0	7
7.2-DibromoethaLe	7F0	5	7F0	0F F C	31S			77S20S72 2C:z0	7
7.2-DichrorobeLueLe	7F0	5	7F0	0F U	31S			77S20S72 2C:z0	7
7.2-DichroroethaLe	7F0	5	7F0	0F27	31S			77S20S72 2C:z0	7
7.2-DichroroKroKaLe	7F0	5	7F0	0F 2	31S			77S20S72 2C:z0	7
7.C-DichrorobeLueLe	7F0	5	7F0	0F 8	31S			77S20S72 2C:z0	7
7.4-DichrorobeLueLe	7F0	5	7F0	0F34	31S			77S20S72 2C:z0	7
2-p eHaLoLe	zF0	5	zF0	7F2	31S			77S20S72 2C:z0	7
2-x 3taLoLe Bg (E)	70	5	70	7FC	31S			77S20S72 2C:z0	7
4-g ethyn2-KeLtaLoLe Bg lx E)	zF0	5	zF0	2F7	31S			77S20S72 2C:z0	7
AcetoLe	70	5	70	CF0	31S			77S20S72 2C:z0	7
x eLueLe	7F0	5	7F0	0F47	31S			77S20S72 2C:z0	7
x romodichroromethaLe	7F0	5	7F0	0FCU	31S			77S20S72 2C:z0	7
x romo9orm	7F0	5	7F0	0F26	31S			77S20S72 2C:z0	7
x romomethaLe	7F0	5	7F0	0F6U	31S			77S20S72 2C:z0	7
l arboL dis3ri9ide	7F0	5	7F0	0F7U	31S			77S20S72 2C:z0	7
l arboL tetrachroride	7F0	5	7F0	0F2f	31S			77S20S72 2C:z0	7
l hrorobeLueLe	7F0	5	7F0	0F z	31S			77S20S72 2C:z0	7
DibromochroromethaLe	7F0	5	7F0	0FC2	31S			77S20S72 2C:z0	7
l hroroethaLe	7F0	5	7F0	0FC2	31S			77S20S72 2C:z0	7
l hroro9orm	7F0	5	7F0	0FC4	31S			77S20S72 2C:z0	7

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

Lab Sample ID: MB 480-92099/4
Matrix: Water
Analysis Batch: 92099

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
I hromomethaLe	7P0	5	7P0	0PCz	31S			77S20S72 2C:z0	7
cis-7.2-DichromoetheLe	7P0	5	7P0	0P87	31S			77S20S72 2C:z0	7
cis-7.C-DichromoKroKeLe	7P0	5	7P0	0PC6	31S			77S20S72 2C:z0	7
I ycromeH-aLe	7P0	5	7P0	0P78	31S			77S20S72 2C:z0	7
Dichmrodi98oromethaLe	7P0	5	7P0	0P68	31S			77S20S72 2C:z0	7
(thymbeLueLe	7P0	5	7P0	0PP4	31S			77S20S72 2C:z0	7
IsoKroKymbeLueLe	7P0	5	7P0	0PPU	31S			77S20S72 2C:z0	7
g ethynacetate	7P0	5	7P0	0P20	31S			77S20S72 2C:z0	7
g ethyntert-b3tynether	7P0	5	7P0	0P76	31S			77S20S72 2C:z0	7
g ethymcycmeH-aLe	7P0	5	7P0	0P76	31S			77S20S72 2C:z0	7
g ethymeLe I hmride	7P0	5	7P0	0P44	31S			77S20S72 2C:z0	7
MtymeLe	7P0	5	7P0	0PPC	31S			77S20S72 2C:z0	7
TetrachmroetheLe	7P0	5	7P0	0PC6	31S			77S20S72 2C:z0	7
Tom3eLe	7P0	5	7P0	0P27	31S			77S20S72 2C:z0	7
traLs-7.2-DichmroetheLe	7P0	5	7P0	0PU0	31S			77S20S72 2C:z0	7
traLs-7.C-DichmroKroKeLe	7P0	5	7P0	0PCf	31S			77S20S72 2C:z0	7
TrichmroetheLe	0P6z7	J	7P0	0P46	31S			77S20S72 2C:z0	7
Trichmro98oromethaLe	7P0	5	7P0	0P88	31S			77S20S72 2C:z0	7
ViLynchmride	7P0	5	7P0	0PU0	31S			77S20S72 2C:z0	7
XymeLes. Totan	2P0	5	2P0	0P66	31S			77S20S72 2C:z0	7

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*01*		*66 - 137*		*11/28/12 23:98*	*1*
Toluene-dB (Surr)	*00*		*71 - 126*		*11/28/12 23:98*	*1*
4-mrof obuuorozen5ene (Surr)	*08*		*73 - 128*		*11/28/12 23:98*	*1*

Lab Sample ID: LCS 480-92099/3
Matrix: Water
Analysis Batch: 92099

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
7.7-DichmroethaLe	2zP0	22PP		31S		U7	f 7 - 72U
7.7-DichmroetheLe	2zP0	20P2		31S		82	z8 - 727
7.2-DichmrobeLueLe	2zP0	24PU		31S		UU	80 - 724
7.2-DichmroethaLe	2zP0	2CP0		31S		U2	f z - 72f
x eLueLe	2zP0	2CPU		31S		U6	f 7 - 724
I hmrobeLueLe	2zP0	24P2		31S		U8	f 2 - 720
cis-7.2-DichmroetheLe	2zP0	2CPP		31S		Uz	f 4 - 724
(thymbeLueLe	2zP0	24PC		31S		Uf	f f - 72C
g ethyntert-b3tynether	2zP0	27P4		31S		8z	64 - 72f
TetrachmroetheLe	2zP0	2CP4		31S		U4	f 4 - 722
Tom3eLe	2zP0	2CPU		31S		U6	80 - 722
traLs-7.2-DichmroetheLe	2zP0	24P2		31S		Uf	f C - 72f
TrichmroetheLe	2zP0	24P4		31S		Uf	f 4 - 72C

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*B0*		*66 - 137*

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

Lab Sample ID: LCS 480-92099/3
Matrix: Water
Analysis Batch: 92099

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-dB (Surr)	0B		71 - 126
4-mrof obluorozen5ene (Surr)	08		73 - 128

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

Lab Sample ID: MB 480-90641/1-A
Matrix: Water
Analysis Batch: 90828

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 90641

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
x iKheLyn	zR0	5	zR0	0R6z	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
bis E2-chmroisoKroKyr) ether	zR0	5	zR0	0R22	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
2.4.z-TrichmroKheLon	zR0	5	zR0	0R48	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
2.4.6-TrichmroKheLon	zR0	5	zR0	0R67	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
2.4-DichmroKheLon	zR0	5	zR0	0R27	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
2.4-DimethymKheLon	zR0	5	zR0	0R20	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
2.4-DiLitroKheLon	70	5	70	2R2	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
2.4-DiLitrotor3eLe	zR0	5	zR0	0R4z	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
2.6-DiLitrotor3eLe	zR0	5	zR0	0R40	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
2-I hmroLaKhthameLe	zR0	5	zR0	0R46	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
2-I hmroKheLon	zR0	5	zR0	0R2C	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
2-g ethymLaKhthameLe	zR0	5	zR0	0R60	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
2-g ethymKheLon	zR0	5	zR0	0R40	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
2-NitroaLiniLe	70	5	70	0R42	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
2-NitroKheLon	zR0	5	zR0	0R48	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
C.C'-DichmrobeLuidiLe	zR0	5	zR0	0R40	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
C-NitroaLiniLe	70	5	70	0R48	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
4.6-DiLitro-2-methymKheLon	70	5	70	2R2	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
4-x romoKheLynKheLynether	zR0	5	zR0	0R4z	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
4-I hmro-C-methymKheLon	zR0	5	zR0	0R4z	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
4-I hmroaLiniLe	zR0	5	zR0	0R2U	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
4-I hmroKheLynKheLynether	zR0	5	zR0	0RCz	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
4-g ethymKheLon	70	5	70	0RC6	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
4-NitroaLiniLe	70	5	70	0R2z	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
4-NitroKheLon	70	5	70	7R2	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
AceLaKhtheLe	zR0	5	zR0	0R47	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
AceLaKhthymeLe	zR0	5	zR0	0RC8	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
AcetoKheLoLe	zR0	5	zR0	0R24	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
ALthraceLe	zR0	5	zR0	0R28	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
AtrauiLe	zR0	5	zR0	0R46	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
x eLuamdehyde	zR0	5	zR0	0R2f	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
x eLuoBa)aLthraceLe	zR0	5	zR0	0RC6	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
x eLuoBa)KyreLe	zR0	5	zR0	0R4f	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
x eLuoBb)93oraLtheLe	zR0	5	zR0	0RC4	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
x eLuoBl.h.i)KerymeLe	zR0	5	zR0	0RCz	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
x eLuoBF)93oraLtheLe	zR0	5	zR0	0RFC	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
x isE2-chmroethoHy)methaLe	zR0	5	zR0	0RCz	31Ş		77S'CS72 74:06	77S4S72 22:2U	7
x isE2-chmroethyn)ether	zR0	5	zR0	0R40	31Ş		77S'CS72 74:06	77S4S72 22:2U	7

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

Lab Sample ID: MB 480-90641/1-A
Matrix: Water
Analysis Batch: 90828

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 90641

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
x isB2-ethyrneHyr) Khtharate	zR0	5	zR0	7R8	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
x 3tynbeLuynKhtharate	zR0	5	zR0	0R42	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
I aKroractam	zR0	5	zR0	2R2	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
I arbauore	zR0	5	zR0	0R00	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
I hryseLe	zR0	5	zR0	0R0C	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
Di-L-b3tynKhtharate	zR0	5	zR0	0R07	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
Di-L-octynKhtharate	zR0	5	zR0	0R4f	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
DibeLuBa.h)aLthraceLe	zR0	5	zR0	0R42	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
DibeLuoS3raL	70	5	70	0R27	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
DiethynKhtharate	zR0	5	zR0	0R22	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
DimethynKhtharate	zR0	5	zR0	0R06	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
vr3oraLtheLe	zR0	5	zR0	0R40	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
vr3oreLe	zR0	5	zR0	0R06	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
p eHachrorobeLueLe	zR0	5	zR0	0R27	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
p eHachrorob3tadieLe	zR0	5	zR0	0R68	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
p eHachrorocycroKeLtadieLe	zR0	5	zR0	0R2U	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
p eHachroroethaLe	zR0	5	zR0	0R2U	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
ILdeLoB7.2.C-cd)KyreLe	zR0	5	zR0	0R4f	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
IsoKhoroLe	zR0	5	zR0	0R4C	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
N-Nitrosodi-L-KroKyramiLe	zR0	5	zR0	0R24	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
N-NitrosodiKheLyramiLe	zR0	5	zR0	0R27	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
NaKhtharreLe	zR0	5	zR0	0R76	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
NitrobeLueLe	zR0	5	zR0	0R2U	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
j eLtachroroKheLon	70	5	70	2R2	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
j heLaLthreLe	zR0	5	zR0	0R44	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
j heLon	zR0	5	zR0	0R0U	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7
j yreLe	zR0	5	zR0	0R04	31Ş		77S/CS72 74:06	77S/4S72 22:2U	7

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Trizrof ophenol	*123*		*92 - 132*	*11/13/12 14:86*	*11/14/12 22:20*	*1*
2-Fluoroziphenyl	*06*		*4B - 128*	*11/13/12 14:86*	*11/14/12 22:20*	*1*
2-Fluorophenol	*94*		*28 - 128*	*11/13/12 14:86*	*11/14/12 22:20*	*1*
Nitrozen5ene-d9	*182*		*46 - 128*	*11/13/12 14:86*	*11/14/12 22:20*	*1*
p-Terphenyl-d14	*184*		*67 - 198*	*11/13/12 14:86*	*11/14/12 22:20*	*1*
Phenol-d9	*30*		*16 - 128*	*11/13/12 14:86*	*11/14/12 22:20*	*1*

Lab Sample ID: LCS 480-90641/2-A
Matrix: Water
Analysis Batch: 90828

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 90641

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2.4-DiLitrotor3eLe	80R0	UzR6		31Ş		720	6z - 7z4
2-I hroroKheLon	80R0	f 4R2		31Ş		UC	48 - 720
4-I hroro-C-methyrKheLon	80R0	UfR2	k	31Ş		722	64 - 720
4-NitroKheLon	80R0	4zR2		31Ş		zf	76 - 720
AceLaKhtheLe	80R0	8zR6		31Ş		70f	60 - 720
x isB2-ethyrneHyr) Khtharate	80R0	70f		31Ş		7CC	zC - 7z8
vr3oreLe	80R0	U7R8		31Ş		77z	zz - 74C

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

Lab Sample ID: LCS 480-90641/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 90828 — **Prep Batch: 90641**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
peHachroroethaLe	80P0	f 7P6		31S		8U	74 - 707
N-Nitrosodi-L-KroKyramiLe	80P0	86PC		31S		708	z6 - 720
j eLtachroroKheLon	80P0	f zP2		31S		U4	CU - 7C6
j heLon	80P0	C8P		31S		48	7f - 720
j yreLe	80P0	U4P7		31S		778	z8 - 7C6

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Trizrof ophenol	*12B*		*92 - 132*
2-Fluoroziphenyl	*183*		*4B - 128*
2-Fluorophenol	*9B*		*28 - 128*
Nitrozen5ene-d9	*180*		*46 - 128*
p-Terphenyl-d14	*111*		*67 - 198*
Phenol-d9	*44*		*16 - 128*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 480-90233/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 90606 — **Prep Batch: 90233**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ArseLic	0P070	5	0P070	0P00z6	m1S		77S/2S/2 08:40	77S/CS/2 07:z2	7
x ari3m	0P0020	5	0P0020	0P000f 0	m1S		77S/2S/2 08:40	77S/CS/2 07:z2	7
I admi3m	0P0070	5	0P0070	0P000z0	m1S		77S/2S/2 08:40	77S/CS/2 07:z2	7
I hromi3m	0P0040	5	0P0040	0P0070	m1S		77S/2S/2 08:40	77S/CS/2 07:z2	7
, ead	0P00z0	5	0P00z0	0P00C0	m1S		77S/2S/2 08:40	77S/CS/2 07:z2	7
MereLi3m	0P07z	5	0P07z	0P008f	m1S		77S/2S/2 08:40	77S/CS/2 07:z2	7
Mn1er	0P00C0	5	0P00C0	0P007f	m1S		77S/2S/2 08:40	77S/CS/2 07:z2	7

Lab Sample ID: LCS 480-90233/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 90606 — **Prep Batch: 90233**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
ArseLic	0P200	0P277		m1S		70z	80 - 720
x ari3m	0P200	0P20f		m1S		704	80 - 720
I admi3m	0P200	0P204		m1S		702	80 - 720
I hromi3m	0P200	0P208		m1S		704	80 - 720
, ead	0P200	0P202		m1S		707	80 - 720
MereLi3m	0P200	0P204		m1S		702	80 - 720
Mn1er	0P0z00	0P0z00		m1S		700	80 - 720

Lab Sample ID: MB 480-90228/1-B — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 90801 — **Prep Batch: 90319**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ArseLic	0P070	5	0P070	0P00z6	m1S		77S/CS/C 0f :z0	77S/CS/2 20:42	7

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

Lab Sample ID: MB 480-90228/1-B — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 90801 — **Prep Batch: 90319**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
x ari3m	0P0020	5	0P0020	0P00f 0	m1Ş		77S7CS7C 0f :z0	77S7CS72 20:42	7
I admi3m	0P0070	5	0P0070	0P00z0	m1Ş		77S7CS7C 0f :z0	77S7CS72 20:42	7
I hromi3m	0P0040	5	0P0040	0P0070	m1Ş		77S7CS7C 0f :z0	77S7CS72 20:42	7
MereLi3m	0P07z	5	0P07z	0P08f	m1Ş		77S7CS7C 0f :z0	77S7CS72 20:42	7
Mn1er	0P00C0	5	0P00C0	0P07f	m1Ş		77S7CS7C 0f :z0	77S7CS72 20:42	7

Lab Sample ID: MB 480-90228/1-B — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 91055 — **Prep Batch: 90319**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
, ead	0P00z0	5	0P00z0	0P00C0	m1Ş		77S7CS72 0f :z0	77S4S72 7U:77	7

Lab Sample ID: LCS 480-90228/2-B — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 90801 — **Prep Batch: 90319**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
ArseLic	0P200	0P207		m1Ş		707	80 - 720
x ari3m	0P200	0P208		m1Ş		704	80 - 720
I admi3m	0P200	0P204		m1Ş		702	80 - 720
I hromi3m	0P200	0P208		m1Ş		704	80 - 720
, ead	0P200	0P207		m1Ş		707	80 - 720
MereLi3m	0P200	0P20C		m1Ş		707	80 - 720
Mn1er	0P0z00	0P0z20		m1Ş		704	80 - 720

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-90110/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 90277 — **Prep Batch: 90110**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
g erc3ry	0P00020	5	0P00020	0P00072	m1Ş		77S70S72 0U:7z	77S70S72 77:CU	7

Lab Sample ID: LCS 480-90110/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 90277 — **Prep Batch: 90110**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
g erc3ry	0P0066f	0P00660		m1Ş		UU	80 - 720

Lab Sample ID: MB 480-90228/1-C — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 90746 — **Prep Batch: 90526**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
g erc3ry	0P00020	5	0P00020	0P00072	m1Ş		77S7CS72 0U:20	77S7CS72 7z:Cz	7

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 480-90228/2-C
Matrix: Water
Analysis Batch: 90746

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 90526

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
g erc3ry			0P0066f	0P00622		m1Ş		UC	80 - 720		

QC Association Summary

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28761-2

GC/MS VOA

Analysis Batch: 9072L

bap Samell D	Clil nt Samell D	Trl e xyel	Matrid	Ml tho8	Trl e Batch
480-28761-7H	TB	Total/NA	Water	8260B	
LCS 480-37861/1	Lab Control Sam5le	Total/NA	Water	8260B	
MB 480-37861/H	Met9op Blanh	Total/NA	Water	8260B	

Analysis Batch: 90915

bap Samell D	Clil nt Samell D	Trl e xyel	Matrid	Ml tho8	Trl e Batch
480-28761-74	Pd-11	Total/NA	Water	8260B	
LCS 480-373kH/H	Lab Control Sam5le	Total/NA	Water	8260B	
MB 480-373kH/6	Met9op Blanh	Total/NA	Water	8260B	

Analysis Batch: 96399

bap Samell D	Clil nt Samell D	Trl e xyel	Matrid	Ml tho8	Trl e Batch
480-28761-72	Pd-76	Total/NA	Water	8260B	
480-28761-71	Pd-17	Total/NA	Water	8260B	
LCS 480-32033/1	Lab Control Sam5le	Total/NA	Water	8260B	
MB 480-32033/4	Met9op Blanh	Total/NA	Water	8260B	

GC/MS Sl mi VOA

Trl e Batch: 93240

bap Samell D	Clil nt Samell D	Trl e xyel	Matrid	Ml tho8	Trl e Batch
480-28761-72	Pd-76	Total/NA	Water	1H70C	
480-28761-74	Pd-11	Total/NA	Water	1H70C	
LCS 480-30647/2-A	Lab Control Sam5le	Total/NA	Water	1H70C	
MB 480-30647/7-A	Met9op Blanh	Total/NA	Water	1H70C	

Analysis Batch: 93767

bap Samell D	Clil nt Samell D	Trl e xyel	Matrid	Ml tho8	Trl e Batch
LCS 480-30647/2-A	Lab Control Sam5le	Total/NA	Water	82k0C	30647
MB 480-30647/7-A	Met9op Blanh	Total/NA	Water	82k0C	30647

Analysis Batch: 93969

bap Samell D	Clil nt Samell D	Trl e xyel	Matrid	Ml tho8	Trl e Batch
480-28761-72	Pd-76	Total/NA	Water	82k0C	30647
480-28761-74	Pd-11	Total/NA	Water	82k0C	30647

Ml tals

Trl e Batch: 93003

bap Samell D	Clil nt Samell D	Trl e xyel	Matrid	Ml tho8	Trl e Batch
480-28761-72	Pd-76	Total/NA	Water	k4k0A	
480-28761-74	Pd-11	Total/NA	Water	k4k0A	
LCS 480-30770/2-A	Lab Control Sam5le	Total/NA	Water	k4k0A	
MB 480-30770/7-A	Met9op Blanh	Total/NA	Water	k4k0A	

Trl e Batch: 936LL

bap Samell D	Clil nt Samell D	Trl e xyel	Matrid	Ml tho8	Trl e Batch
480-28761-72	Pd-76	Total/NA	Water	100HA	
480-28761-74	Pd-11	Total/NA	Water	100HA	
LCS 480-30211/2-A	Lab Control Sam5le	Total/NA	Water	100HA	

MI tals (Continul 8)

Trl e Batch: 936LL (Continul 8)

bap Samell D	Clil nt Samell D	Trl e xyel	Matrid	MI tho8	Trl e Batch
MB 480-30211/7-A	Met9op Blanh	Total/NA	Water	100HA	

Analysis Batch: 93611

bap Samell D	Clil nt Samell D	Trl e xyel	Matrid	MI tho8	Trl e Batch
480-28761-72	Pd-76	Total/NA	Water	k4k0A	30770
480-28761-74	Pd-11	Total/NA	Water	k4k0A	30770
LCS 480-30770/2-A	Lab Control Sam5le	Total/NA	Water	k4k0A	30770
MB 480-30770/7-A	Met9op Blanh	Total/NA	Water	k4k0A	30770

Trl e Batch: 93L09

bap Samell D	Clil nt Samell D	Trl e xyel	Matrid	MI tho8	Trl e Batch
480-28761-72	Pd-76	Dissolvep	Water	100HA	
480-28761-74	Pd-11	Dissolvep	Water	100HA	
LCS 480-30228/2-B	Lab Control Sam5le	Dissolvep	Water	100HA	
MB 480-30228/7-B	Met9op Blanh	Dissolvep	Water	100HA	

Trl e Batch: 93562

bap Samell D	Clil nt Samell D	Trl e xyel	Matrid	MI tho8	Trl e Batch
480-28761-72	Pd-76	Dissolvep	Water	k4k0A	
480-28761-74	Pd-11	Dissolvep	Water	k4k0A	
LCS 480-30228/2-C	Lab Control Sam5le	Dissolvep	Water	k4k0A	
MB 480-30228/7-C	Met9op Blanh	Dissolvep	Water	k4k0A	

Analysis Batch: 93232

bap Samell D	Clil nt Samell D	Trl e xyel	Matrid	MI tho8	Trl e Batch
480-28761-72	Pd-76	Total/NA	Water	6070B	30211
480-28761-74	Pd-11	Total/NA	Water	6070B	30211
LCS 480-30211/2-A	Lab Control Sam5le	Total/NA	Water	6070B	30211
MB 480-30211/7-A	Met9op Blanh	Total/NA	Water	6070B	30211

Analysis Batch: 93142

bap Samell D	Clil nt Samell D	Trl e xyel	Matrid	MI tho8	Trl e Batch
480-28761-72	Pd-76	Dissolvep	Water	k4k0A	30H26
480-28761-74	Pd-11	Dissolvep	Water	k4k0A	30H26
LCS 480-30228/2-C	Lab Control Sam5le	Dissolvep	Water	k4k0A	30H26
MB 480-30228/7-C	Met9op Blanh	Dissolvep	Water	k4k0A	30H26

Analysis Batch: 93730

bap Samell D	Clil nt Samell D	Trl e xyel	Matrid	MI tho8	Trl e Batch
480-28761-72	Pd-76	Dissolvep	Water	6070B	30173
480-28761-74	Pd-11	Dissolvep	Water	6070B	30173
LCS 480-30228/2-B	Lab Control Sam5le	Dissolvep	Water	6070B	30173
MB 480-30228/7-B	Met9op Blanh	Dissolvep	Water	6070B	30173

Analysis Batch: 90355

bap Samell D	Clil nt Samell D	Trl e xyel	Matrid	MI tho8	Trl e Batch
MB 480-30228/7-B	Met9op Blanh	Dissolvep	Water	6070B	30173

Analysis Batch: 90357

bap Samell D	Clil nt Samell D	Trl e xyel	Matrid	MI tho8	Trl e Batch
480-28761-72	Pd-76	Total/NA	Water	6070B	30211

QC Association Summary

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28761-2

MI tals (Continul 8)

Analysis Batch: 90357 (Continul 8)

bap Samell ID	Clil nt Samell ID	Trl e xyel	Matrid	MI tho8	Trl e Batch
480-28761-74	Pd-11	Total/NA	Water	6070B	30211

Analysis Batch: 909L3

bap Samell ID	Clil nt Samell ID	Trl e xyel	Matrid	MI tho8	Trl e Batch
480-28761-74	Pd-11	Dissolvep	Water	6070B	30173

Lab Chronicle

Client: TTL, Inc.
j ro/ectSMte: g apna Mte

TestAmerica Job ID: 480-2876P-2

Client Sample ID: PH-14

Lab Sample ID: 802-70146-17

Date Collected: 11/20/17 25:62
Matrix: Water
Date 3 eceiRed: 11/2v/17 20:22

Prep Type	Batch Type	Batch Method	3un	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TotalSNA	Anal5sis	82603		7	92099	77S27S72 07:71	TB3	TAL 3UF
TotalSNA	j rey	PR70C			90647	77S7PS72 74:06	DH	TAL 3UF
TotalSNA	Anal5sis	8210C		20	90929	77S7RS72 08:R2	Bg g	TAL 3UF
TotalSNA	j rey	1410A			90770	77S70S72 09:7R	JBK	TAL 3UF
TotalSNA	Anal5sis	1410A		7	90211	77S70S72 72:7P	JBK	TAL 3UF
TotalSNA	j rey	P00RA			902PP	77S72S72 08:40	MM	TAL 3UF
TotalSNA	Anal5sis	60703		7	90606	77S72S72 76:41	Lu	TAL 3UF
Dissolf e=	j rey	1410A			90R26	77S7PS72 09:20	JBK	TAL 3UF
Dissolf e=	Anal5sis	1410A		7	90146	77S7PS72 7RR1	JBK	TAL 3UF
Dissolf e=	Anal5sis	60703		7	90807	77S7PS72 27:76	g g	TAL 3UF
Dissolf e=	j rey	P00RA			90P79	77S7PS7P 01:R0	Jg	TAL 3UF
TotalSNA	Anal5sis	60703		7	970R8	77S74S72 20:29	Lu	TAL 3UF

Client Sample ID: PH-61

Lab Sample ID: 802-70146-16

Date Collected: 11/20/17 15:19
Matrix: Water
Date 3 eceiRed: 11/2v/17 20:22

Prep Type	Batch Type	Batch Method	3un	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TotalSNA	Anal5sis	82603		7	92099	77S27S72 07:4R	TB3	TAL 3UF

Client Sample ID: PH-66

Lab Sample ID: 802-70146-18

Date Collected: 11/20/17 14:89
Matrix: Water
Date 3 eceiRed: 11/2v/17 20:22

Prep Type	Batch Type	Batch Method	3un	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TotalSNA	Anal5sis	82603		7	9791R	77S20S72 74:P6	TBF	TAL 3UF
TotalSNA	j rey	PR70C			90647	77S7PS72 74:06	DH	TAL 3UF
TotalSNA	Anal5sis	8210C		7	90929	77S7RS72 09:76	Bg g	TAL 3UF
TotalSNA	j rey	1410A			90770	77S70S72 09:7R	JBK	TAL 3UF
TotalSNA	Anal5sis	1410A		7	90211	77S70S72 72:7R	JBK	TAL 3UF
TotalSNA	j rey	P00RA			902PP	77S72S72 08:40	MM	TAL 3UF
TotalSNA	Anal5sis	60703		7	90606	77S72S72 76:49	Lu	TAL 3UF
Dissolf e=	j rey	1410A			90R26	77S7PS72 09:20	JBK	TAL 3UF
Dissolf e=	Anal5sis	1410A		7	90146	77S7PS72 7RR8	JBK	TAL 3UF
Dissolf e=	Anal5sis	60703		7	90807	77S7PS72 27:78	g g	TAL 3UF
Dissolf e=	j rey	P00RA			90P79	77S7PS7P 01:R0	Jg	TAL 3UF
TotalSNA	Anal5sis	60703		7	970R8	77S74S72 20:P7	Lu	TAL 3UF
Dissolf e=	j rey	P00RA			90P79	77S7PS72 01:R0	Jg	TAL 3UF
Dissolf e=	Anal5sis	60703		7	979P0	77S79S72 2P:78	Lu	TAL 3UF

Lab Chronicle

Client: TTL, Inc.
j ro/ectS/ite: g apna Mte

TestAmerica Job ID: 480-2876P-2

Client Sample ID: TB

Date Collected: 11/20/17 22:22
Date 3 eceiRed: 11/2v/17 20:22

Lab Sample ID: 802-70146-19

Matrix: Water

Prep Type	Batch Type	Batch Method	3 un	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total3NA	Anal5sis	82603		7	9786P	77S20S72 0R:P0	TB3	TAL 3UF

Laboratory 3 eferences:

TAL 3UF d TestAmerica 3zwalo, 70 u avelh oo= Drif e, AmYerst, NE 74228-2298, THL (176)697-2600

Certification Summary

Client: TTL, Inc.
j ro/ectSMte: g af na Mte

TestAmerica Job ID: 480-2876P-2

Laboratory: TestAmerica Buffalo

All certihcations dely bNtdis laboratorNare listey. p ot all certihcations are akklicable to tdis rekort.

Authority	Program	EPA Region	Certification ID	Expiration Date
ArEansas DQ1	Mtate j rof ram	6	88-0686	03-06-7P
Calihrnia	p QLAC	9	7769CA	09-P0-7P
Connecticut	Mtate j rof ram	7	j H-0568	09-P0-74
Floriya	p QLAC	4	Q83632	06-P0-7P
Georf ia	Mtate j rof ram	4	p SA	0P-P7-7P
Georf ia	Mtate j rof ram	4	956	06-P0-7P
Georf ia	Mtate j rof ram	4	956	06-P0-7P
Illinois	p QLAC	5	20000P	09-P0-7P
Iowa	Mtate j rof ram	3	P34	0P-07-7P
Kansas	p QLAC	3	Q-70783	07-P7-7P
KentucEN	Mtate j rof ram	4	90029	72-P7-72
KentucEN (UMT)	Mtate j rof ram	4	P0	04-07-7P
Louisiana	p QLAC	6	020P7	06-P0-7P
g aine	Mtate j rof ram	7	p Y00044	72-04-72
g arNany	Mtate j rof ram	P	294	0P-P7-7P
g assacdusetts	Mtate j rof ram	7	g -p Y044	06-P0-7P
g icdif an	Mtate j rof ram	5	99P3	04-07-7P
g innesota	p QLAC	5	0P6-999-PP3	72-P7-72
p ew Hamksdire	p QLAC	7	293P	09-77-7P
p ew Hamksdire	p QLAC	7	2PP3	77-73-7P
p ew JerseN	p QLAC	2	p Y455	06-P0-7P
p ew YorE	p QLAC	2	70026	0P-P7-7P
p ortd DaEota	Mtate j rof ram	8	R-736	0P-P7-7P
OEladoma	Mtate j rof ram	6	9427	08-P7-7P
Oref on	p QLAC	70	p Y20000P	06-09-7P
j ennsNvania	p QLAC	P	68-00287	03-P7-7P
Rdoye Islany	Mtate j rof ram	7	LAO00P28	72-P7-7P
Tennessee	Mtate j rof ram	4	Tp 02930	04-07-7P
Texas	p QLAC	6	T704304472-77-2	03-P7-7P
UMDA	Feyeral		j PP0-77-00P86	77-22-74
Virf inia	p QLAC	P	460785	09-74-7P
Wasdinf ton	Mtate j rof ram	70	C384	02-70-7P
West Virf inia DQj	Mtate j rof ram	P	252	09-P0-7P
Wisconsin	Mtate j rof ram	5	998P70P90	08-P7-7P

Method Summary

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28163-2

Method	Method Description	Protocol	Laboratory
8260W	Bolatile Vrganic ComOopnus (GC/MS)	Sd 846	TAL WUF
8270C	Semivolatile Vrganic ComOopnus (GC/MS)	Sd 846	TAL WUF
6010W	Metals (ICP)	Sd 846	TAL WUF
7470A	Mercpry (CBAA)	Sd 846	TAL WUF

Protocol References:

Sd 846 E =Test Met" ous For h valpating Soliu d aste, P" ysical/C" emical Met" ous=, T" iru h uition, November 1986 Anu Its UOuates.

Laboratory References:

TAL WUF E TestAmerica Wpffalo, 10 Hazelwoou Drive, Am" erst, NY 14228-2298, Th L (716)691-2600

Sample Summary

Client: TTL, Inc.
Project/Site: Magna Site

TestAmerica Job ID: 480-28761-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-28761-72	PH-76	Water	77/08/72 05:10	77/03/72 08:00
480-28761-71	PH-17	Water	77/08/72 75:79	77/03/72 08:00
480-28761-74	PH-11	Water	77/08/72 76:49	77/03/72 08:00
480-28761-79	TB	Water	77/08/72 00:00	77/03/72 08:00

Login Sample Receipt Checklist

Client: TTL, Inc.

Job Number: 480-28163-2

Login Number: 28163
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.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ttl
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	

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: STM	Lab PM: Schove, John	Carrier Tracking No(s):	COC No: 480-28825-7536.6
Client Contact: Ms. Shannon McDonald	Phone: 334-850-1487	E-Mail: john.schove@testamericainc.com		Page: Page 6 of 12
Company: TTL, Inc.				Job #: 0002121-024
Address: 4154 Lomac Street	Due Date Requested:			
City: Montgomery	TAT Requested (days):			
State, Zip: AL, 36106				
Phone: 334-244-0766(Tel)	PO #: Purchase Order Requested			
Email: smcdonald@ttlusa.com	WO #			
Project Name: TTL, Inc. - Syracuse, NY Sites	Project #: 48006637			
Site: Magna	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	6010B, 7471A	8260B - TCL list OLM04.2	6010B, 7470A	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	A	D		
PH-28 2'	11/8/12	8:55a	G	Solid			✓	✓	✓			1	
PH-29 10'	11/8/12	9:35a	G	Solid			✓	✓	✓			1	
PH-30 6'	11/8/12	10:30	G	Solid			✓	✓	✓			1	
PH-31 12'	11/8/12	12:25	G	Solid			✓	✓	✓			1	
~~PH-32~~ STM				Solid									
PH-33 1'	11/8/12	4:25	G	Solid			✓	✓	✓				
				Solid									
				Solid									
				Solid									
				Solid									
				Solid									

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Shannon McDonald	11-8-12, 18:25		REINHIK	11-8-12, 18:25	SYR
REINHIK	11-8-12, 19:00	SYR	[signature]	11/9/12 0800	TOBUFFO
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.1, 3.1, 3.9 °C #2

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: SHM	Lab PM: Schove, John	Carrier Tracking No(s):	COC No: 480-28825-7536 5
Client Contact: Ms. Shannon McDonald	Phone: 334-850-1487	E-Mail: john.schove@testamericainc.com		Page: Page 5 of 12
Company: TTL, Inc.				Job #: 6000312-024
Address: 4154 Lomac Street	Due Date Requested:			
City: Montgomery	TAT Requested (days):			
State, Zip: AL, 36106				
Phone: 334-244-0766(Tel)	PO #: Purchase Order Requested			
Email: smcdonald@ttlusa.com	WO #:			
Project Name: TTL, Inc. - Syracuse, NY Sites	Project #: 48006637			
Site: Magna	SSOW#:			

Analysis Requested

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
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8280B - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	6010B, 7471A	8260B - TCL list OLM04.2	6010B, 7470A	Total Number of containers	Special Instructions/Note:
			Preservation Code:			N	N	N	A	D		
PH-28 0-6"	11/8/12	8:45a	G	Solid		✓	✓	✓				
PH-29 0-6"	11/8/12	9:15a	G	Solid		✓	✓	✓				
PH-30 0-6"	11/8/12	10:05a	G	Solid		✓	✓	✓				
PH-31 0-6"	11/8/12	11:15a	G	Solid		✓	✓	✓				
PH-32 0-6"	11/8/12	2:00	G	Solid		✓	✓	✓				
PH-33 0-6"	11/8/12	3:55	G	Solid		✓	✓	✓				
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								

~~Possible Hazard Identification~~
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Shannon McDonald	11-8-12, 18:25		REng/ttl	11-8-12, 18:25	Syr
REng/ttl	11-8-12, 19:00	Syr	[illegible]	11/9/12 0800	TOBUCKO
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.1, 3.1, 3.9°c #3

Chain of Custody Record

TestAmerica

Client Information	Sampler: SMM	Lab PM: Schove, John	Carrier Tracking No(s):	COC No: 480-28825-7536 10
Client Contact: Ms Shannon McDonald	Phone: 334-850-1487	E-Mail: john.schove@testamericainc.com		Page: Page 10 of 12
Company: TTL, Inc				Job #: 000212.024
Address: 4154 Lomac Street	Due Date Requested:			
City: Montgomery	TAT Requested (days):			
State, Zip: AL, 36106				
Phone: 334-244-0766(Tel)	PO #: Purchase Order Requested			
Email: smcdonald@ttlusa.com	WO #			
Project Name: TTL, Inc. - Syracuse, NY Sites	Project #: 48006637			
Site: Magna	SSOW#			

Analysis Requested

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
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8260B - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	6010B, 7471A	8260B - TCL list OLM04.2	6010B, 7470A	Total Number of Containers	Special Instructions/Note:
				Preservation Code:		N	N	N	A	D		
PH-17	11/8/12	7:30a	G	Water			✓	✓	✓	✓	1	
PH-31	11/8/12	5:15	G	Water		SMM	✓		✓		3	
PH-33	11/8/12	4:45p	G	Water			✓	✓	✓	✓	7	
				Water								
				Water								
				Water								
				Water								
				Water								
				Water								
				Water								
				Water								
				Water								

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Shannon McDonald	11-8-12, 18:25		R. Eng 11/8	11-8-12, 18:25	S&R
R. Eng 11/8	11-8-12 19:00	S&R	[illegible]	11/9/12 0800	TABUFFALO
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.1, 3.1, 3.9°c #3

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information

Client Contact: Ms. Shannon McDonald
Company: TTL, Inc.
Address: 4154 Lomac Street
City: Montgomery
State, Zip: AL, 36106
Phone: 334-244-0766(Tel)
Email: smcdonald@ttlusa.com
Project Name: TTL, Inc. - Syracuse, NY Sites
Site: Magna

Sampler: STM
Phone: 334-850-1487

Lab PM: Schove, John
E-Mail: john.schove@testamericainc.com

Carrier Tracking No(s):

COC No: 480-28825-7536.10
Page: Page 10 of 12
Job #: 600212-024

Due Date Requested:
TAT Requested (days):
PO #: Purchase Order Requested
WO #:
Project #: 48006637
SSOW#:

Analysis Requested

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
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	6010B, 7471A	8260B - TCL list OLM04.2	6010B, 7470A	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	A	D		
PH-16	11/8/12	7:30a	G	Water				✓	✓	✓	✓	1	
PH-31	11/8/12	5:15	G	Water			STM	✓		✓		3	
PH-33	11/8/12	4:45p	G	Water				✓	✓	✓	✓	7	
				Water									
				Water									
				Water									
				Water									
				Water									
				Water									
				Water									
				Water									

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Special Instructions/QC Requirements:

Deliverable Requested: I, II, III, IV, Other (specify)

Method of Shipment:

Empty Kit Relinquished by:	Date:	Time:			
Relinquished by: Shannon M McDonald	Date/Time: 11-8-12, 1:25	Company	Received by: R. Ellis 11-12	Date/Time: 11-8-12, 1:25	Company JKA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: