

INTERIM SITE CHARACTERIZATION REPORT

**KEYSTONE COLOR WORKS &
OHIO BLENDERS PROPERTIES
CITY OF YORK, PENNSYLVANIA**

DECEMBER 2005

INTERIM SITE CHARACTERIZATION REPORT

**KEYSTONE COLOR WORKS &
OHIO BLENDERS PROPERTIES
CITY OF YORK, PENNSYLVANIA**

December 2005

Prepared For:

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GTS Technologies, Inc.

Interim Site Characterization Report
Keystone Color Works &
Ohio Blenders Properties
City of York, Pa.
December 1, 2005

CERTIFICATION AND CONCURRENCE

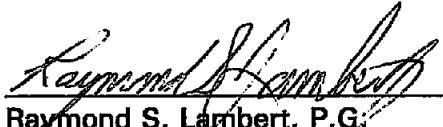
GTS Technologies, Inc. (GTS) has performed site characterization activities for the Northwest Triangle project, which is located in the City of York, Pennsylvania. This *Interim Site Characterization Report* describes the activities completed to date, activities planned for completion, and presents results, conclusions and recommendations as appropriate.

GTS conducted the activities described herein using reasonable efforts in each phase of its work to perform investigations to confirm the presence of suspected contamination at the Keystone Color Works and Ohio Blenders properties. Findings within this report are based on information collected from observations made on the days of the fieldwork and from laboratory analytical results. Because it is not practical to provide a 100% survey of surface and subsurface areas of any site, this report should not be assumed to be a complete or specific definition of the conditions above or below grade. GTS makes no representation or warranty that the past or current operations within the project study area are or have been in compliance with all applicable Federal, State, and local laws, regulations, ordinances, and codes.

GTS prepared this *Interim Site Characterization Report* for the Redevelopment Authority of the County of York (RACY).


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12/01/05
Date


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EXECUTIVE SUMMARY

This *Interim Site Characterization Report* has been prepared by GTS Technologies, Inc. (GTS) for the Redevelopment Authority of the County of York (RACY). The report presents the results of site characterization activities completed to date for two (2) properties located in the area known as the "Northwest Triangle" within the City of York, Pennsylvania. The subject properties are the Keystone Color Works property located at 109-151 West Gay Avenue and the Ohio Blenders property located at 260 North Beaver Street/132-152 North Pershing Avenue.

The purpose of the site characterization investigation is to identify contaminants of concern, identify media of concern, and determine concentrations of identified contaminants potentially related to former and current site uses. The data collected will allow determination of the feasibility for site reuse. The investigation to date has included: 1) a geophysical survey to provide a more precise determination of the presence and location of former and existing underground storage tanks (USTs); 2) soil sampling and analysis to characterize areas of concern identified during previous environmental assessment of the subject properties; and 3) review and analysis of published information associated with a historic coal gasification plant, located immediately west and across Codorus Creek from the Keystone Color Works and Ohio Blenders properties, to determine whether contaminants may have migrated beneath Codorus Creek and impacted the deep site aquifer. These activities were conducted in accordance with the *Site Characterization Plan*, prepared by GTS, and dated May 20, 2005.

The geophysical investigation identified six (6) anomalies of a sufficient size and intensity to represent a potential UST. Direct probing methods, such as backhoe test pits, are recommended to further characterize the geophysical investigation findings. It is recommended that a certified tank removal contractor be utilized to remove any UST encountered. Any contamination encountered during removal activities should be addressed in accordance with appropriate regulations.

Laboratory analysis revealed that surficial soils (soils from a depth of 0 to 2 feet below ground surface) underlying the Keystone Color Works building exterior windows and sills exceed Statewide Health Standards for lead (4 of 6 samples). Abatement of the lead impacted soil in this area is recommended to attain the appropriate standard for reuse. Samples collected from surficial soils on the Ohio Blenders property to characterize potential contamination resulting from the former use of portions of the property as coal storage yards exceeded Statewide Health Standards for antimony, arsenic, chromium, lead, and 1,2-diphenylhydrazine. Abatement of arsenic and lead impacted soils is recommended within the areas identified to attain the appropriate standard for reuse. The remainder of the surficial soil sample results exceeding Statewide Health Standards for antimony, total chromium, and 1,2-diphenylhydrazine do not appear to be representative of site soil conditions.

Laboratory analysis revealed that results for subsurface soils (soils exceeding a depth of 2 feet below ground surface) collected from areas adjacent to historic USTs exceeded Statewide Health Standards for lead (1 of 8 samples). Based on analytical results for subsurface soil samples collected to date, PID readings, and olfactory observation of the recovered soil, it appears likely that soils in the vicinity of historic site USTs have been impacted by petroleum hydrocarbon releases. It is first recommended that direct probing methods, such as backhoe test pits, be utilized to determine whether the USTs remain in place. If a UST is encountered, then it is recommended that a certified tank removal contractor be utilized to remove the UST. Any contamination encountered during removal activities should be addressed in accordance with appropriate regulations. If USTs are not encountered during direct probing activities, then additional sampling is recommended to further characterize the severity of contamination in these areas, delineate the horizontal and vertical extent of the contamination, and to provide sufficient information to formulate a decision on site reuse.

The review of published information regarding the Columbia site indicates that subsurface conditions do exist that may permit the migration of coal tar non-aqueous phase liquid (NAPL), sourced from the Columbia site, to migrate eastward towards the Keystone Color Works and Ohio Blenders properties. There is also the potential for coal tar NAPL to be present in the Codorus Creek and impact the creek bank along the western boundary of the Ohio Blenders property. There is also the possibility of residual coal tar NAPL and coal tar related constituents being present within the fill material placed by the Army Corps of Engineers along the Codorus Creek. Sampling for coal tar related constituents is recommended should reuse of the creek bank and adjacent areas be desirable. It is also recommended that groundwater monitoring wells be constructed to a depth greater than 130 feet should it be desirable to characterize the potential presence of contamination from the Columbia site. Groundwater quality signature characteristic of the Columbia site should be developed and compared to the groundwater quality signature characteristic of the Keystone Color Works and Ohio Blenders properties.

The purpose of this *Interim Site Characterization Report* is to present the results of the site characterization activities conducted for the Keystone Color Works and Ohio Blenders Properties to date. GTS is currently in the process of developing a supplemental proposal to revisit the *Site Characterization Plan* dated May 20, 2005 in accordance with Quality Assurance Project Plan (QAPP) and Site-Specific Sampling and Analysis Plan (SAP) formats acceptable to the U.S. EPA Region III Brownfields Program. The remaining tasks will be completed as described in GTS Proposal No. 0049 dated February 9, 2005, following submittal and approval of the QAPP and SAP documents. A supplement to the agreement will be prepared for this effort and for performing the additional recommended site characterization tasks outlined in this interim report in accordance with U.S. EPA Brownfields Program requirements. In addition, GTS will include tasks within the supplemental proposal to address asbestos-containing materials and lead-based paint surveys of the Ohio Blenders site structures as requested.

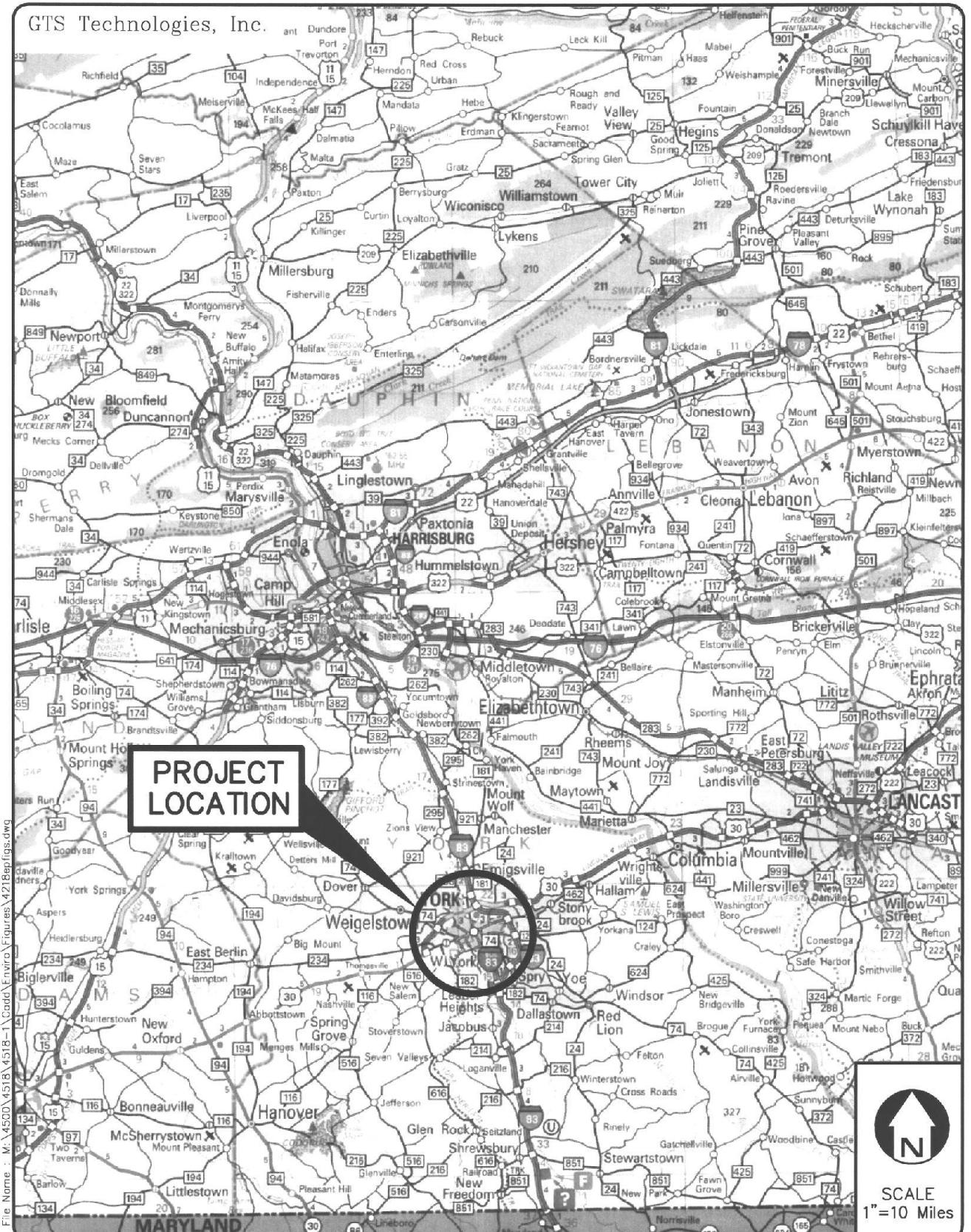
1.0 INTRODUCTION

This *Interim Site Characterization Report* has been prepared by GTS Technologies, Inc. (GTS) for the Redevelopment Authority of the County of York (RACY). The report presents the results of site characterization activities completed to date for two (2) properties located in the area known as the "Northwest Triangle" within the City of York, Pennsylvania (Figure 1, Regional Location Map). The subject properties are the Keystone Color Works property located at 109-151 West Gay Avenue and the Ohio Blenders property located at 260 North Beaver Street/132-152 North Pershing Avenue (Figure 2, Site Location Map). The Northwest Triangle has been identified as an underutilized area and is planned for redevelopment. Preliminary plans are to develop the Northwest Triangle as a mixed-use area with a combination of new and rehabilitated single-family residences along with light industrial, commercial, office, retail, and green space. The following paragraphs present background information associated with the sites that was provided by RACY and in a report titled *Environmental Assessment*, prepared by Edge Environmental, Inc. (Edge), and dated June 1, 2004.

The Keystone Color Works property is comprised of two (2) adjoining parcels totaling 0.725 acres. The building and/or former building components cover much of the property. The eastern third of the property consists of a concrete pad that had been the floor for a section of the building that was demolished in the 1990s. The remainder of the property consists of narrow grassy strips of land located to the north and west of the building. The earliest known use of the property was in the manufacture of farm machinery from 1887 to 1908. Keystone Color Works has produced organic and inorganic pulp pigments for the wallpaper and surface coating trades at the facility since 1919. Hazardous substances, in the form of raw materials, finished product, and waste materials, have historically been stored throughout the building. Until the 1980s, pigment production consisted of mixing raw materials in 300 and 3,000-gallon wooden tanks, collecting the resultant pigment solid, pressing it in filter presses to remove the water, and packaging the finished product. The tanks, filter presses, related production equipment, and much of the facility's interior are significantly stained, and several areas are acid etched or degraded.

The Ohio Blenders property consists of four (4) parcels totaling 2.04 acres. The site is currently used for animal feed processing, and contains eight (8) grain silos and a small office building. The property historically was used for animal feed distribution, coal storage, and as a utility pole storage yard. There is no evidence that the site was used for coal ash disposal. Three (3) non-utility transformers are currently located on the property just to the north of the North Street site entrance. Secondary source information indicates that four (4) large oil aboveground storage tanks (ASTs) and four (4) gasoline underground storage tanks (USTs) were historically located on the property.

GTS Technologies, Inc.



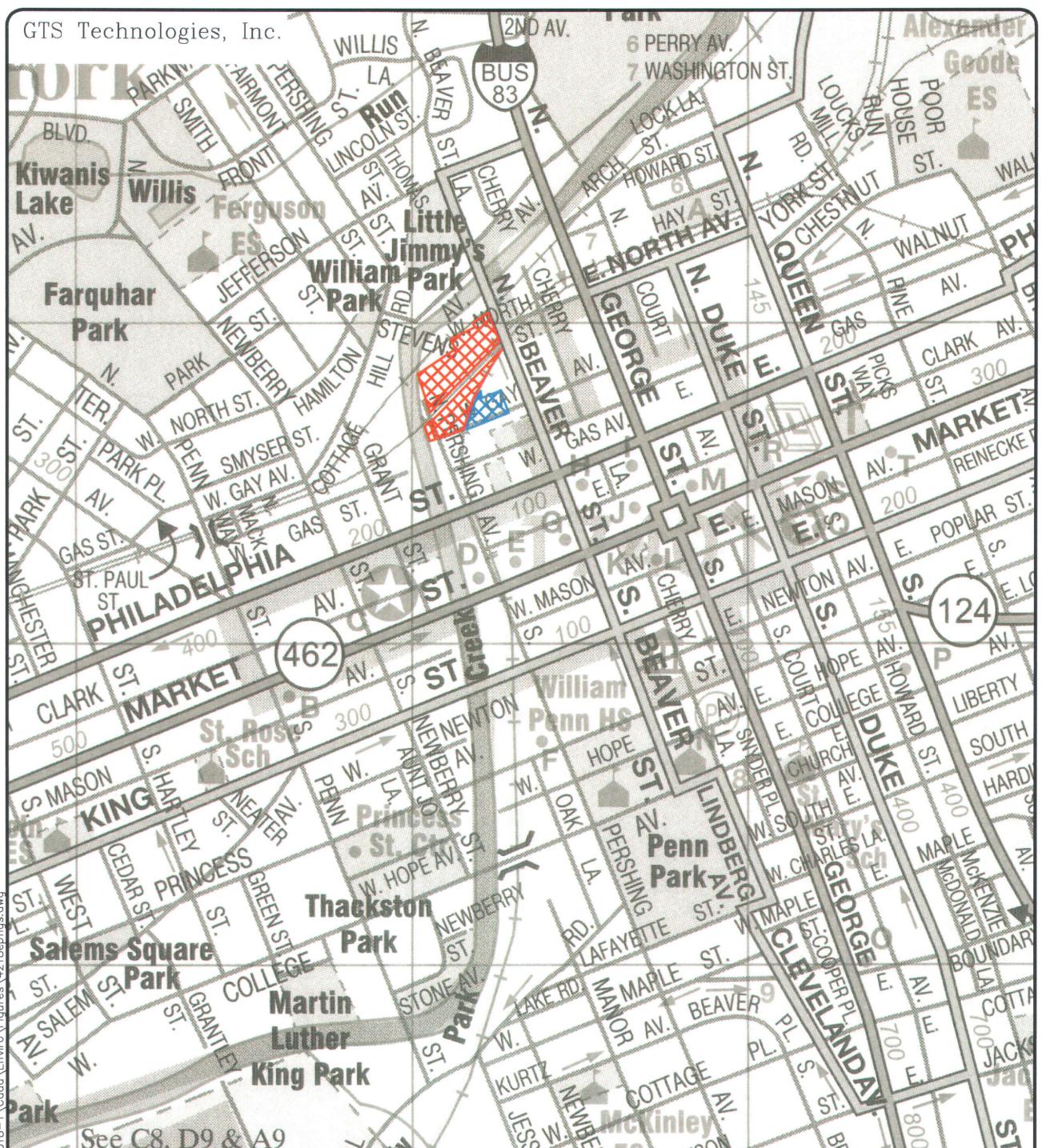
REGIONAL LOCATION MAP

KEYSTONE COLOR WORKS AND OHIO BLENDERS
CITY OF YORK
YORK COUNTY, PENNSYLVANIA

MAY 2005

FIGURE
1

GTS Technologies, Inc.



LEGEND



OHIO BLENDERS PROPERTY



KEYSTONE COLOR WORKS PROPERTY



SCALE
1"=1,000'

SITE LOCATION MAP
KEYSTONE COLOR WORKS AND OHIO BLENDERS
CITY OF YORK
YORK COUNTY, PENNSYLVANIA

MAY 2005

FIGURE

2

The *Environmental Assessment* report (Edge, 2004) did not identify any documented hazardous material or waste incidents likely to have resulted in contamination of either the Keystone Color Works or Ohio Blenders properties, and no physically obvious indications of soil or groundwater contamination. However, the potential for site contamination based on former and current uses was identified. The environmental conditions associated with each site as identified in the *Environmental Assessment* report (Edge, 2004) and/or the RFP are listed below.

Keystone Color Works

- The property's history of using and storing hazardous substances, and generating, storing, and treating hazardous wastes has the potential for soil and/or groundwater contamination from release(s) of these materials or wastes. Due to site configuration, the primary area of concern is the interior of the Keystone Color Works building.
- Building materials and equipment inside the building (i.e. walls, floors, pigment vats, etc.) are significantly stained and may be contaminated.
- Exterior windows and sills are assumed to have lead-based paint, and lead weathered from them may have impacted underlying soils.
- Given the age of the building, polychlorinated biphenyl (PCB)-containing fluorescent light ballasts, mercury-containing switches and fluorescent light bulbs, asbestos-containing materials, and lead-based paint are assumed to be present.

Ohio Blenders

- The historic use of portions of the property as coal storage yards may have resulted in elevated levels of metals and polycyclic aromatic hydrocarbons (PAHs) in shallow soils.
- The historic presence and undocumented closures/abandonments of four (4) ASTs and (4) four USTs and the potential for residual soil and/or groundwater contamination.
- The possible presence of additional, undocumented USTs at the property.
- The use of a portion of the property as a storage yard for utility poles may have resulted in localized soil contamination from creosote compounds.
- Three (3) non-utility electric transformers may contain dielectric coolant that contains or is contaminated with PCBs, and underlying soils may be contaminated with PCBs.
- Given the age of the site structures, PCB-containing fluorescent light ballasts, mercury-containing switches and fluorescent light bulbs, asbestos-containing materials, and lead-based paint are assumed to be present.

The purpose of the site characterization investigation is to identify contaminants of concern, identify media of concern, and determine concentrations of identified contaminants potentially related to former and current site uses. The data collected will allow determination of the feasibility for site reuse. The investigation to date has included a geophysical survey, soil sampling and analysis, and groundwater analysis. These activities were conducted in accordance with the *Site Characterization Plan*, prepared by GTS, and dated May 20, 2005. The following sections describe the activities completed to date and present results, conclusions and recommendations as appropriate.

2.0 GEOPHYSICAL INVESTIGATION

On May 4 and 23, 2005, GTS conducted fieldwork for a geophysical investigation at the Ohio Blenders property. Three (3) geophysical methods were employed to survey the property: 1) metal detection (Geonics EM-61 and Schonstedt magnetic locator), 2) terrain conductivity (Geonics EM-31), and 3) ground penetrating radar (Mala RAMAC GPR). The purpose of the geophysical investigation was to provide a more precise determination of the presence and location of former and existing UST system components and any existing underground utilities detected prior to conducting soil sampling and groundwater monitoring well installation activities. Historic Sanborn maps included in the *Environmental Assessment* report (Edge, 2004) show the locations of the historic storage tanks as follows:

- One (1) gasoline UST is shown in the area to the east of the present day grain silos and to the south of the North Street site entrance. A small building is shown just to the south of the tank. Field reconnaissance by GTS revealed the suspected area of the tank to be a mowed grassy area located just to the north of the remnants of a concrete pad. No visible evidence of the former UST was observed.
- Three (3) gasoline USTs are shown just to the north of Gay Avenue, approximately midway between the intersection with Pershing Avenue and the railroad crossing. Field reconnaissance by GTS revealed the suspected area of the tanks to be a mowed grassy area. Slag mixed with soil was noted throughout the area suggesting the presence of fill material. No visible evidence of the former USTs was observed.

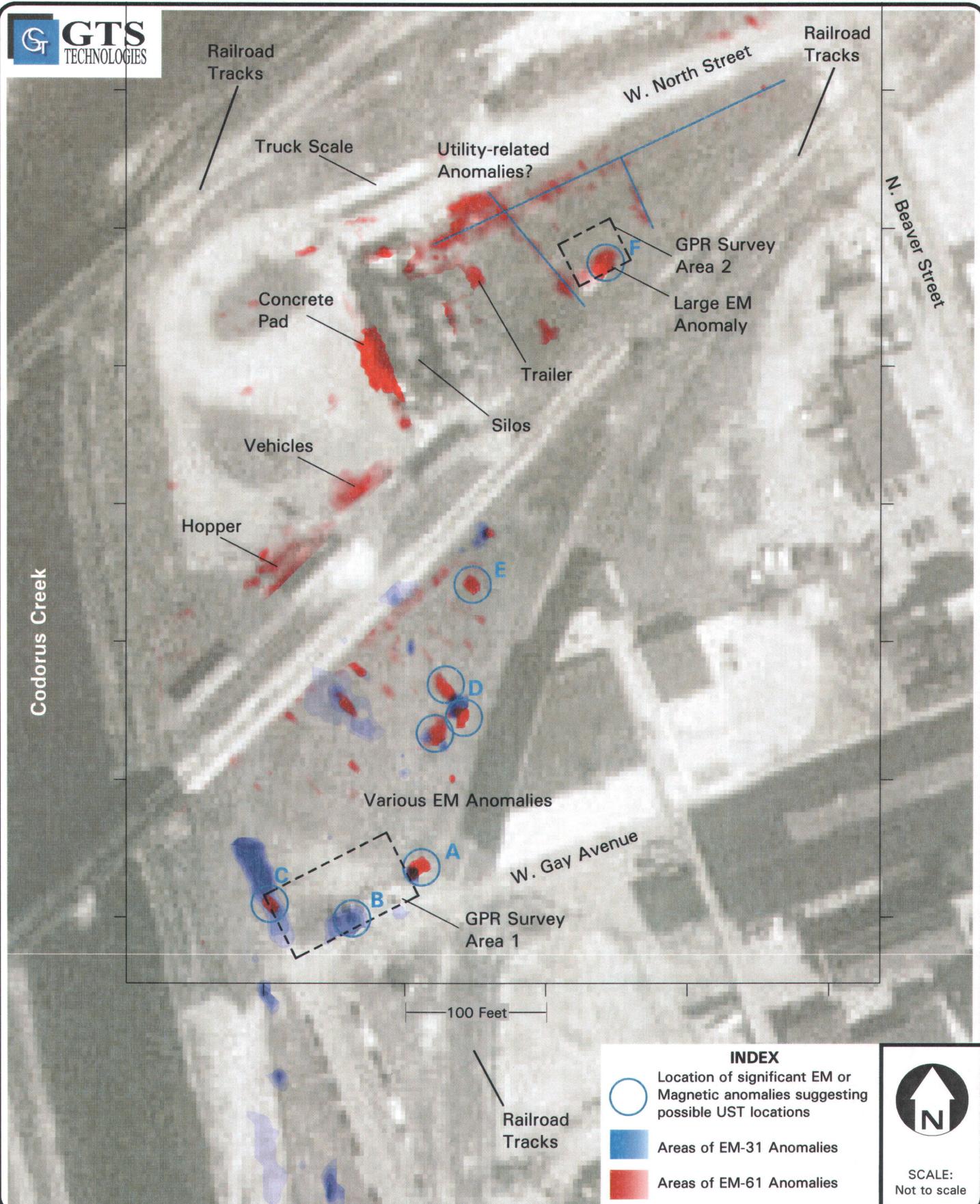
The EM-61 was used over the entire site, except in areas where there were obstructions or buildings, or in proximity to the railroad tracks. Data was collected using a series of roughly parallel profiles, spaced approximately four feet apart. The data was automatically collected every second and positioned using a sub-metric global positioning satellite system (GPS). Loss of GPS occurred with a corresponding loss of EM-61 data just east of the Ohio Blenders silos, and some data loss occurred near Gay Avenue due to a bad wire contact causing loss of battery power. However, the total amount of data loss was small. The EM-31 was used in a manner similar to that of the EM-61, to cover the area adjacent to Gay Avenue, where EM-61 data loss had occurred, and an area along Codorus Creek, which was not previously covered with the EM-61. The GPR was used in two (2) areas; one (1) just east of the Ohio Blender silos, and the other adjacent to Gay Avenue (see Figure 3). Historical data indicated possible USTs in both areas. The GPR was used to collect several profiles of subsurface radar data. The profiles were parallel and approximately 6 feet apart. The magnetic locator was used over selected areas to verify in the field the position of metallic anomalies detected using the other methods.

All data from the EM-61, EM-31, and GPR unit were downloaded from digital loggers into a desktop computer where data processing and analysis were performed. Those areas showing anomalous measurements indicating the presence of metal were mapped and overlain onto an aerial photograph (Figure 3). All data and anomalies have GPS coordinates, however, their exact location on the aerial photograph is estimated since the photograph did not have geographic coordinates for exact matching. Some of the geophysical anomalies are associated with possible cultural interference from utilities, buildings, metallic debris, or fences. These were noted, as possible, during the field data acquisition. The EM-61 anomalies are shown in red, and the EM-31 anomalies are shown in blue. The intensity of the color shows relatively the strength of the anomalies. In general, EM-61 anomalies are more tightly focused than the EM-31 anomalies.

Six (6) anomalies (A - F) were delineated using geophysical methods for which the analysis suggested a sufficient size and intensity to represent possible USTs. Some anomalies, such as the triplet at "D" may be associated with possible surface metal. Anomaly "B" may be associated with an underground gas line and anomaly "C" may be associated with an underground fiber optic cable. All six (6) anomalies should be field verified. The anomalies may be correctly located with an accurate GPS before any excavations or other field verifications are undertaken.



GTS
TECHNOLOGIES



Terrain Conductivity (EM-31) & Metal Detection (EM-61) Geophysics Surveys
Ohio Blenders Site, York, Pennsylvania

5/11/2005

FIGURE
3

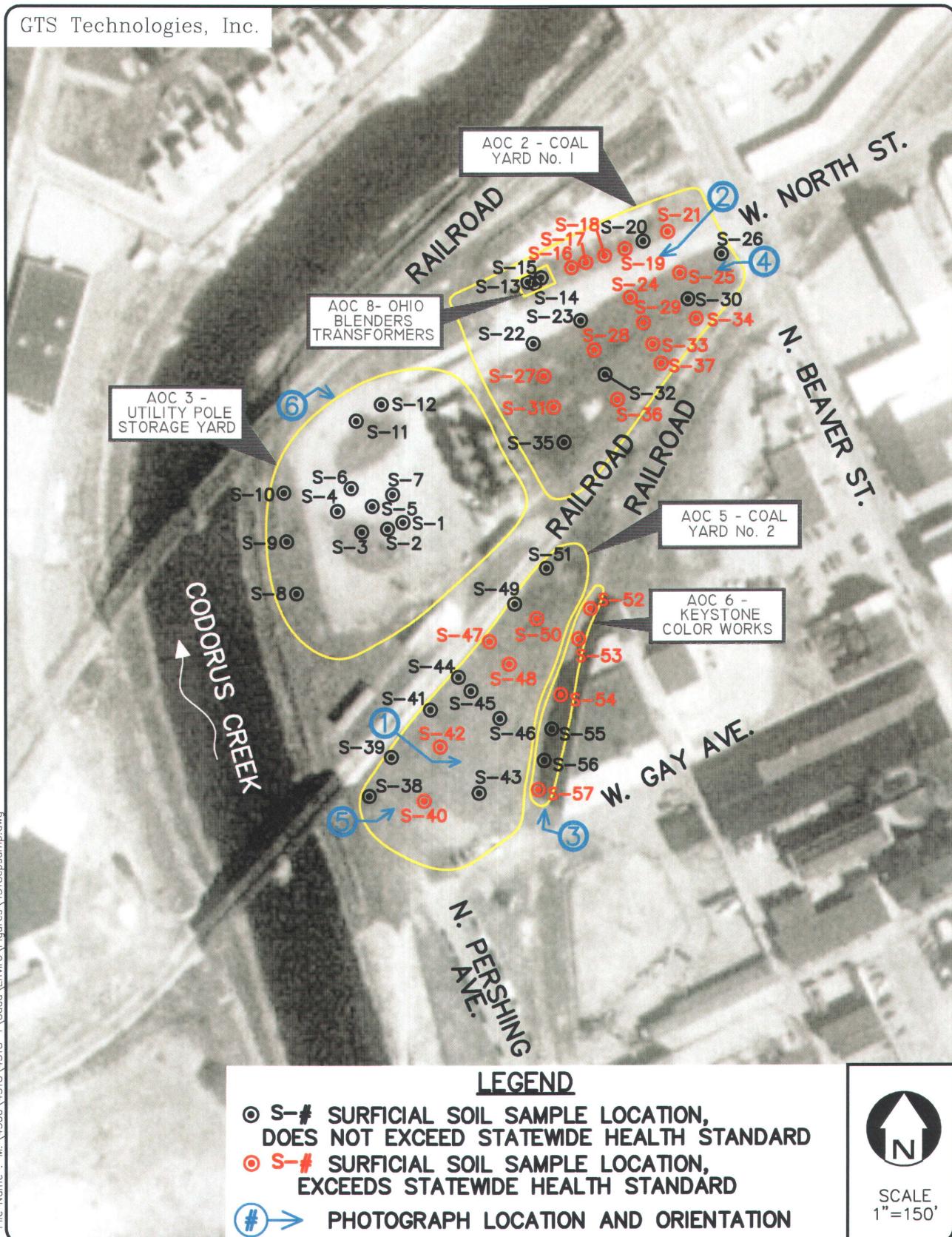
3.0 SOIL SAMPLING

3.1 Surficial Soil Sampling

On June 8 and 9, 2005, GTS personnel conducted fieldwork to collect surficial soil samples (samples collected from a depth of 0 to 2 feet below ground surface) on both the Keystone Color Works (Photograph 1) and Ohio Blenders (Photograph 2) properties. Photographs are provided in Appendix A and their locations are shown on Figures 4 and 5. The samples were collected from the areas specified in the following paragraphs. These areas were identified in the *Environmental Assessment* report (Edge, 2004) as Areas of Concern (AOCs). AOCs are delineated in yellow on Figure 4.

The procedure used to collect the soil samples is described in the *Site Characterization Plan* (GTS, 2005). The surficial samples were collected using a stainless steel hand auger. During sample collection, slag mixed with soil was noted throughout the Ohio Blenders property suggesting extensive use of fill material. Analytical Laboratory Services, Inc. of York, Pennsylvania provided analysis for all samples.

Laboratory analytical results for soil samples were reported in micrograms or milligrams per kilogram ($\mu\text{g}/\text{kg}$ or mg/kg). These results were converted to mg/kg , where necessary, and evaluated using current Pennsylvania Department of Environmental Protection (PADEP) Land Recycling Program (Act 2) Statewide Health Standards. The Statewide Health Standards were calculated for both residential and non-residential properties with a used aquifer of less than or equal to 2,500 mg/L total dissolved solids concentration. Sample locations described in the following paragraphs are shown on Figure 4. The sample location designations on Figure 4 have been color coded to reflect whether a Statewide Health Standard has been exceeded (red) or not (black). Laboratory analytical results for surficial soil samples are provided in Appendix B. Tables 1, 2, 3, and 4 show the analytes detected for each surficial soil sample and the associated Statewide Health Standards. Only those analytes for which one (1) or more of the samples exceeded the laboratory detection limit are included in the tables.



SCALE
1"=150'

SURFICIAL SOIL SAMPLE LOCATION MAP
KEYSTONE COLOR WORKS AND OHIO BLENDERS
CITY OF YORK
YORK COUNTY, PENNSYLVANIA

NOV. 2005

FIGURE
4

Six (6) surficial samples were collected from soils underlying the Keystone Color Works building exterior windows and sills (Photograph 3) to characterize potential contamination from lead-based paint. This area has been identified as "AOC 6 - Keystone Color Works". The samples were analyzed for total lead by United States Environmental Protection Agency (U.S. EPA) Test Method SW-846 6010. Lead was detected above the Statewide Health Standards for residential use and for non-residential use at four (4) of the six (6) sample locations. Table 1 provides a summary of the laboratory analytical results.

TABLE 1
SUMMARY OF SAMPLE RESULTS
SOILS UNDERLYING EXTERIOR WINDOWS

Analyte	Sample Location Sample Depth (ft.)						Statewide Health Standard for Residential Use (mg/kg)	Statewide Health Standard for Non- Residential Use (mg/kg)
	S-52 1.0	S-53 1.0	S-54 1.0	S-55 1.0	S-56 1.0	S-57 1.0		
	Result (mg/kg)							
Lead	945	702	510	266	107	1,200	450	450

Notes:

945

= One or more Statewide Health Standard exceeded for analyte.

Thirty-six (36) surficial samples were collected from soils on the Ohio Blenders property to characterize potential contamination resulting from the former use of portions of the property as coal storage yards. These areas were identified as "AOC 2 - Coal Yard No. 1" (Photograph 4) and "AOC 5 - Coal Yard No. 2" (Photograph 5). All thirty-six (36) of the samples were analyzed for Priority Pollutant List (PPL) metals by U.S. EPA Test Method SW-846 6010. Twenty-five (25) of the samples were analyzed for PPL semi-volatile organic compounds (SVOCs) by U.S. EPA Test Method SW-846 8270. Antimony, arsenic, chromium, and lead were the only PPL metals detected above a Statewide Health Standard. Antimony was detected above the Statewide Health Standards for residential use and non-residential use at one (1) of the thirty-six (36) sample locations. Arsenic was detected at or above the Statewide Health Standards for residential use at eighteen (18) of the thirty-six (36) sample locations, and above the Statewide Health Standard for non-residential use at three (3) sample locations. Chromium was detected above the selected concentration for residential use at one (1) sample location. Lead was detected above the Statewide Health Standards for residential use and non-residential use at four (4) of the thirty-six (36) sample locations. The only PPL SVOC detected above the Statewide Health Standard for residential use was 1,2-diphenylhydrazine at one sample location. Table 2 provides a summary of the laboratory analytical results.

TABLE 2
SUMMARY OF SAMPLE RESULTS
SOILS WITHIN FORMER COAL STORAGE AREAS

Analyte	Sample Location										Statewide Health Standard for Residential Use (mg/kg)	Statewide Health Standard for Non-Residential Use (mg/kg)	
	S-16 1.0	S-17 1.0	S-18 1.0	S-19 0.8	S-20 1.0	S-21 0.8	S-22 0.7	S-23 0.7	S-24 0.7	S-25 0.5	S-26 0.5	S-27 0.8	
PPL Metals													
Antimony	4.0	BDL	4.6	3.4	BDL	BDL	BDL	48.7	BDL	BDL	27	27	
Arsenic	38.9	12.7	36.6	34.5	2.9	37.0	9.4	8.7	10.3	14.4	11.1	53	
Beryllium	1.4	0.57	1.3	0.56	0.54	1.4	1.3	2.0	1.3	1.1	1.2	320	
Cadmium	5.2	1.9	3.6	1.4	0.54	4.1	2.4	3.2	2.9	2.6	2.8	38	
Chromium	29.3	7.0	16.1	21.8	12.8	24.8	23.4	23.8	21.6	26.2	22.2	190 ¹	
Copper	117.	20.4	110	74.0	26.4	81.8	22.2	21.4	50.1	35.4	35.9	36,000	
Lead	868.	81.1	790	3,450	40.3	2,140	56.4	43.8	121.	220.	195.	450	
Mercury	1.3	0.41	1.2	7.1	BDL	1.3	0.34	0.24	0.88	2.0	2.2	10	
Nickel	39.7	10.6	25.1	12.9	16.5	31.2	18.5	20.5	18.8	21.1	20.0	650	
Selenium	BDL	4.4	12.2	9.3	BDL	BDL	6.4	BDL	BDL	BDL	7.4	26	
Silver	BDL	BDL	BDL	3.7	BDL	BDL	8.5	BDL	BDL	BDL	BDL	84	
Thallium	5.2	BDL	4.0	6.8	BDL	4.8	BDL	5.0	BDL	BDL	2.9	14	
Zinc	392.	29.2	101	324	28.2	223	75.9	69.0	141.	119.	155.	12,000	
PPL SVOCs													
Acenaphthene		BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	2,700	
Acenaphthylene		0.150	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	2,500	
Anthracene		0.0997	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	350	
Benzo(a)anthracene		0.533	BDL	NA	NA	NA	NA	NA	NA	BDL	0.178	NA	
Benzo(a)pyrene		0.379	BDL	NA	NA	NA	NA	NA	NA	BDL	2.810	0.143	
Benzo(b)fluoranthene		0.523	BDL	NA	NA	NA	NA	NA	NA	BDL	1.550	0.106	
Benzo(g,h,i)perylene		0.563	BDL	NA	NA	NA	NA	NA	NA	BDL	2.310	0.172	
Benzo(k)fluoranthene		0.391	BDL	NA	NA	NA	NA	NA	NA	BDL	1.440	BDL	
Bis(2-Ethylhexyl)phthalate		BDL	BDL	NA	NA	NA	NA	NA	NA	BDL	2.100	0.133	
Carbazole		0.101	BDL	NA	NA	NA	NA	NA	NA	BDL	0.195	BDL	
Chrysene		1.010	BDL	NA	NA	NA	NA	NA	NA	BDL	4.450	0.314	
Dibenz(a,h)anthracene		BDL	BDL	NA	NA	NA	NA	NA	NA	BDL	0.164	BDL	
Dibenzofuran		BDL	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	
Diphenylhydrazine, 1,2-		BDL	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	0.15	
Fluoranthene		1.130	BDL	NA	NA	NA	NA	NA	NA	BDL	7.830	0.315	
Florene		BDL	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	
Indeno(1,2,3-cd)pyrene		0.427	BDL	NA	NA	NA	NA	NA	NA	BDL	1.440	0.100	
Methylnaphthalene, 2-		BDL	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	
Naphthalene		BDL	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	25	
Phenanthrene		0.629	BDL	NA	NA	NA	NA	NA	NA	BDL	0.457	0.172	
Pyrene		1.080	BDL	NA	NA	NA	NA	NA	NA	BDL	6.760	3.330	

Notes: BDL = The reported result is Below the laboratory Detection Limit.

* = No Analyzed.

NA = Not Analyzed.

1 = No Statewide Health Standard has been established. This value for total chromium VI has been used, as it is more restrictive than the value for chromium III.

38.9 = One or more Statewide Health Standard exceeded for analyte.

TABLE 2 (continued)
SUMMARY OF SAMPLE RESULTS
SOILS WITHIN FORMER COAL STORAGE AREAS

Analyte	Sample Location										Statewide Health Standard for Non-Residential Use (mg/kg)	Statewide Health Standard for Residential Use (mg/kg)	
	S-28 0.8	S-29 0.7	S-30 0.7	S-31 0.7	S-32 0.8	S-33 0.7	S-34 0.7	S-35 0.7	S-36 0.7	S-37 0.7	S-38 0.7	S-39 0.8	
PPL Metals													
Antimony	17.9	BDL	BDL	BDL	3.2	BDL	BDL	BDL	4.6	BDL	27		
Arsenic	59.8	15.6	5.6	22.9	6.4	20.7	31.5	9.7	13.2	31.2	5.2	10.8	53
Beryllium	1.1	1.5	0.88	4.9	0.54	1.3	0.88	0.58	0.79	0.84	1.2	1.4	320
Cadmium	3.8	3.4	2.0	5.5	1.4	3.1	2.1	2.3	2.0	1.9	3.1	3.2	38
Chromium	54.5	73.5	15.6	35.6	9.9	29.9	33.5	8.9	12.4	28.9	19.4	39.2	190 ¹
Copper	122.	32.2	24.1	54.6	19.3	41.2	23.9	18.5	29.3	43.5	44.4	41.2	36,000
Lead	218.	90.3	67.8	147.	65.2	126.	51.8	61.3	89.0	112.	97.5	127.	450
Mercury	0.95	0.78	0.73	2.3	0.77	1.1	1.2	0.19	1.2	0.79	1.3	1.4	10
Nickel	108.	45.2	11.0	44.3	13.1	38.7	20.0	8.9	14.9	27.6	25.3	50.1	650
Selenium	13.8	12.6	BDL	BDL	BDL	10.4	8.3	BDL	6.1	BDL	26	BDL	84
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.3	14	14
Thallium	3.5	BDL	BDL	BDL	BDL	3.0	3.6	BDL	BDL	BDL	116.	97.4	135.
Zinc	234.	112.	108.	349.	101.	204.	62.5	71.1	12.000	142.	12,000		
PPL SVOCs													
Acenaphthene	BDL	NA	NA	BDL	NA	2,700	4,700						
Acenaphthylene	0.218	NA	NA	BDL	NA	2,500	6,900						
Anthracene	0.330	NA	NA	BDL	BDL	0.0861	BDL	BDL	BDL	BDL	NA	350	
Benzo(a)anthracene	0.365	NA	NA	0.184	BDL	0.435	0.0910	BDL	0.490	0.232	NA	25	110
Benzo(a)pyrene	0.324	NA	NA	0.154	BDL	0.333	0.0760	BDL	0.348	0.161	NA	2.5	11
Benzo(b)fluoranthene	0.760	NA	NA	0.174	BDL	0.405	0.100	BDL	0.0730	0.500	0.185	NA	110
Benzo(g,h,i)perylene	0.686	NA	NA	0.0980	BDL	0.353	BDL	BDL	0.342	0.143	NA	180	180
Benzo(k)fluoranthene	0.527	NA	NA	0.176	BDL	0.340	0.0920	BDL	0.424	0.189	NA	250	610
Bis(2-Ethylhexyl)phthalate	BDL	NA	NA	BDL	0.425	BDL	BDL	BDL	0.306	NA	130	130	
Carbazole	0.0950	NA	NA	BDL	NA	21	83						
Chrysene	1.540	NA	NA	0.267	0.0922	0.702	0.140	0.103	0.114	1.020	0.436	NA	230
Dibenz(a,h)anthracene	0.129	NA	NA	BDL	NA	2.5	11						
Dibenzofuran	0.404	NA	NA	BDL	NA	*	*						
Diphenylhydrazine, 1,2-	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	0.184	BDL	NA	0.15	0.58
Fluoranthene	1.540	NA	NA	0.450	0.133	0.989	0.176	0.111	0.146	1.280	0.645	NA	3,200
Fluorene	BDL	NA	NA	BDL	NA	3,000	3,800						
Indeno(1,2,3-cd)pyrene	BDL	NA	NA	0.103	BDL	0.339	BDL	BDL	0.347	0.144	NA	25	110
Methylnaphthalene, 2-	0.448	NA	NA	BDL	BDL	BDL	BDL	BDL	0.116	BDL	NA	2,900	8,000
Naphthalene	0.340	NA	NA	BDL	NA	25							
Phenanthrene	1.330	NA	NA	0.333	BDL	0.353	0.0900	BDL	0.632	0.338	NA	10,000	10,000
Pyrene	1.120	NA	NA	0.370	0.114	0.882	0.147	0.123	0.131	1.120	0.581	NA	2,200

Notes: BDL = The reported result is Below the laboratory Detection Limit.

NA = Not Analyzed.

* = No Statewide Health Standard has been established for this analyte.

¹ = No Medium Specific Concentration value for total chromium has been established. This value for chromium VI will be used, as it is more restrictive than the value for chromium III.

59.8 = One or more Statewide Health Standard exceeded for analyte.

TABLE 2 (continued)
SUMMARY OF SAMPLE RESULTS
SOILS WITHIN FORMER COAL STORAGE AREAS

Analyte	Sample Location										Statewide Health Standard for Residential Use (mg/kg)	Statewide Health Standard for Non-Residential Use (mg/kg)	
	Sample Depth (ft.)		S-40 0.7		S-41 0.7		S-42 0.7		S-43 1.0				
	Result (mg/kg)	1.0	0.7	1.0	0.7	1.0	0.7	1.0	0.7	0.8	1.0	1.0	
PPL Metals													
Antimony	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	27
Arsenic	15.2	10.7	7.2	6.5	6.4	7.3	7.2	12.0	15.0	7.7	12.0	8.6	12
Beryllium	1.2	1.4	1.5	1.1	1.0	1.2	1.3	2.3	1.3	1.1	1.3	1.4	53
Cadmium	2.8	3.1	3.4	2.7	2.1	2.7	2.7	3.7	3.2	2.4	3.3	3.0	320
Chromium	31.9	29.8	177.	22.2	21.5	23.7	30.1	29.3	22.6	18.2	26.4	26.9	38
Copper	37.3	40.4	41.9	59.9	47.4	23.9	28.9	43.1	52.3	37.8	35.0	38.7	190 ¹
Lead	98.1	65.9	86.4	217.	73.7	47.6	49.0	88.4	61.4	89.0	98.5	66.1	36,000
Mercury	0.89	1.2	0.76	2.5	0.86	0.50	0.45	0.66	0.94	0.36	0.91	0.86	450
Nickel	45.5	26.5	19.7	19.1	17.9	16.1	19.0	21.8	28.3	15.8	21.5	20.9	10
Selenium	10.4	9.3	BDL	9.1	BDL	8.0	BDL	BDL	BDL	BDL	BDL	BDL	650
Silver	BDL	BDL	5.5	BDL	1.6	BDL	10.5	9.6	BDL	9.7	BDL	BDL	26
Thallium	BDL	BDL	BDL	3.1	BDL	BDL	4.5	4.5	BDL	BDL	3.6	BDL	84
Zinc	121.	75.9	94.3	151.	60.8	50.9	61.3	126.	65.2	91.5	88.9	95.2	14
PPL SVOCs													
Acenaphthene	BDL	BDL	NA	BDL	BDL	0.723	BDL	NA	BDL	BDL	BDL	BDL	4,700
Acenaphthylene	BDL	BDL	BDL	BDL	BDL	0.290	NA	BDL	BDL	BDL	BDL	BDL	6,900
Anthracene	BDL	BDL	NA	0.106	0.293	1.180	0.304	NA	0.0758	0.147	BDL	BDL	350
Benzo(a)anthracene	0.175	0.262	NA	0.441	0.723	1.550	1.580	NA	0.183	0.533	0.143	0.186	110
Benzo(a)pyrene	0.146	0.258	NA	0.307	0.557	0.999	0.820	NA	0.160	0.538	0.128	0.132	11
Benzo(b)fluoranthene	0.172	0.272	NA	0.337	0.455	0.708	1.040	NA	0.181	0.456	0.169	0.127	110
Benzo(g,h,i)perylene	0.169	0.165	NA	0.246	0.520	0.710	0.413	NA	0.230	0.569	0.185	0.0982	180
Benzo(k)fluoranthene	0.165	0.242	NA	0.264	0.432	0.793	0.867	NA	0.194	0.428	0.133	0.132	610
Bis(2-Ethylhexyl)phthalate	1.690	BDL	NA	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	130
Carbazole	BDL	BDL	NA	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	83
Chrysene	0.371	0.354	NA	0.758	1.470	2.900	1.840	NA	0.407	1.210	0.370	0.309	230
Dibenz(a,h)anthracene	BDL	BDL	NA	BDL	BDL	0.0850	BDL	NA	BDL	BDL	BDL	BDL	11
Dibenzofuran	BDL	BDL	NA	BDL	BDL	0.0916	BDL	NA	BDL	BDL	BDL	BDL	*
Diphenylhydrazine, 1,2-	BDL	BDL	NA	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	0.58
Fluoranthene	0.455	0.443	NA	1.210	1.270	2.530	2.560	NA	0.500	0.944	0.500	0.322	3,200
Florene	BDL	BDL	NA	BDL	BDL	0.788	BDL	NA	BDL	BDL	BDL	BDL	3,800
Indeno(1,2,3-cd)pyrene	0.164	0.154	NA	0.214	0.457	0.634	0.461	NA	0.193	0.498	0.159	0.0894	110
Methylnaphthalene, 2-	BDL	BDL	NA	BDL	BDL	0.370	BDL	NA	BDL	BDL	BDL	BDL	8,000
Naphthalene	BDL	BDL	NA	BDL	BDL	0.0983	BDL	NA	BDL	BDL	BDL	BDL	25
Phenanthrene	0.273	0.226	NA	1.140	0.887	3.380	0.497	NA	0.370	0.422	0.384	0.376	10,000
Pyrene	0.438	0.518	NA	1.250	1.920	3.790	2.070	NA	0.454	1.420	0.458	0.121	2,200

Notes: BDL = The reported result is Below the laboratory Detection Limit.
 1 = No Statewide Health Standard values for total chromium have been established. This value for chromium VI has been used, as it is more restrictive than the value for chromium III.
 █ = One or more Statewide Health Standard exceeded for analyte.

Twelve (12) surficial samples were collected from soils on the Ohio Blenders property to characterize potential contamination resulting from the former use of a portion of the property as a storage yard for utility poles (Photograph 6). These samples were collected within the area identified as "AOC 3 - Utility Pole Storage Yard". The samples were analyzed for creosote compounds (PAHs) by U.S. EPA Test Method SW-846 8270. No PAH concentrations detected exceeded either the Statewide Health Standards for residential use or non-residential use. Table 3 provides a summary of the laboratory analytical results.

TABLE 3
SUMMARY OF SAMPLE RESULTS
SOILS WITHIN FORMER UTILITY POLE STORAGE AREA

Analyte	Sample Location Sample Depth (ft.)												Statewide Health Standard for Non- Residential Use (mg/kg)
	S-1 0.7	S-2 0.7	S-3 0.7	S-4 0.8	S-5 0.8	S-6 0.8	S-7 0.8	S-8 1.0	S-9 1.0	S-10 1.0	S-11 0.7	S-12 1.0	
Acenaphthylene	BDL	0.218	0.090	BDL	BDL	BDL	6,900						
Anthracene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.088	BDL	BDL	BDL	BDL	350
Benz(a)anthracene	0.325	0.363	0.110	BDL	0.179	0.221	BDL	0.367	0.151	BDL	BDL	BDL	110
Benz(a)pyrene	0.231	0.324	0.206	BDL	0.171	0.180	BDL	0.301	0.161	BDL	BDL	BDL	11
Benz(b)fluoranthene	0.419	0.582	0.410	BDL	0.246	0.295	BDL	0.590	0.233	0.081	BDL	BDL	110
Benz(g,h,i)perylene	0.134	0.268	0.361	BDL	0.099	0.141	BDL	0.278	0.229	0.088	BDL	BDL	180
Benz(k)fluoranthene	0.325	0.439	0.314	BDL	0.212	0.214	BDL	0.406	0.177	0.085	BDL	BDL	610
Chrysene	0.625	0.767	0.731	0.113	0.295	0.411	BDL	0.902	0.464	0.216	0.159	BDL	230
Fluoranthene	0.699	0.561	0.402	0.119	0.287	0.366	BDL	0.866	0.515	0.273	0.111	BDL	3,200
Indeno(1,2,3-cd)pyrene	0.149	0.291	0.347	BDL	0.112	0.140	BDL	0.275	0.209	0.087	BDL	BDL	110
Phenanthrene	0.186	0.225	0.171	BDL	0.081	0.199	BDL	0.361	0.288	0.227	0.075	BDL	10,000
Pyrene	0.708	0.526	0.307	0.107	0.256	0.318	BDL	0.841	0.446	0.240	0.111	BDL	2,200

Notes: BDL = The reported result is Below the laboratory Detection Limit.

Three (3) surficial samples were collected from soils on the Ohio Blenders property to characterize potential contamination associated with three (3) non-utility electric transformers on the property. These samples were located within the area identified as "AOC 8 - Ohio Blenders Transformers". The samples were analyzed for PCBs according to U.S. EPA Test Method SW-846 8082. No PCB analytes were detected above the Statewide Health Standard for residential use or non-residential use. Table 4 provides a summary of the laboratory analytical results.

TABLE 4
SUMMARY OF SAMPLE RESULTS
SOILS UNDERLYING TRANSFORMERS

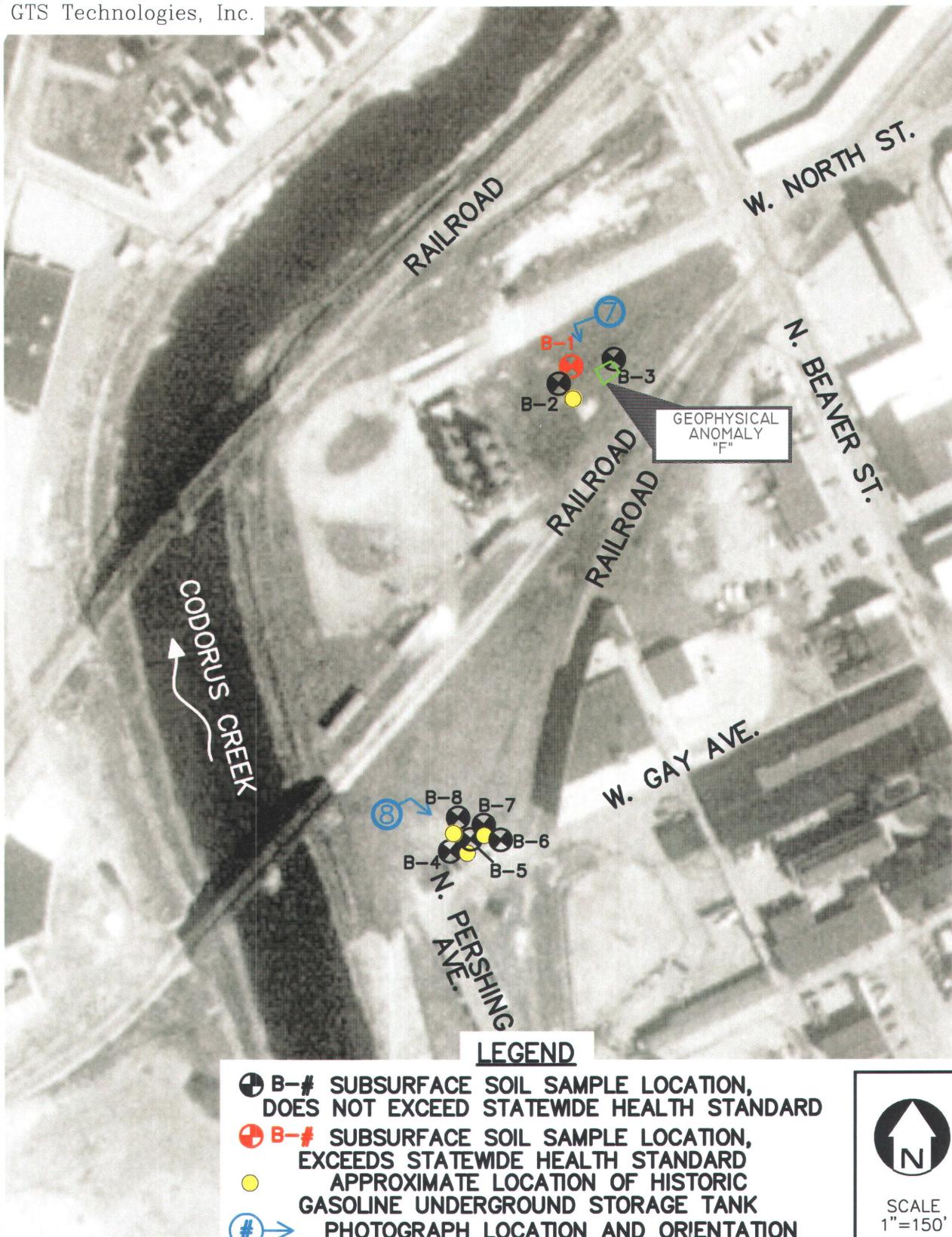
Analyte	Sample Location Sample Depth (ft.)			Statewide Health Standard for Residential Use (mg/kg)	Statewide Health Standard for Non- Residential Use (mg/kg)
	S-13 1.0	S-14 0.8	S-15 1.0		
	Result mg/kg				
Aroclor 1260	BDL	0.12	0.16	30	130

Notes: BDL = Below Detection Limit.

3.2 Subsurface Soil Sampling

On June 15, 2005, GTS personnel conducted fieldwork to collect subsurface soil samples (samples collected from a depth exceeding 2 feet below ground surface) to characterize potential contamination resulting from the historic use of the four (4) gasoline storage tanks at the Ohio Blenders property. The procedure used to collect the soil samples is described in the *Site Characterization Plan* (GTS, 2005). Prior to field activities, the Pennsylvania One Call System was initiated to determine subsurface utility line locations relative to the proposed boring locations. A gas line and a fiber optic cable were marked by the respective utility companies within the area of investigation. These utilities were observed to be located approximately in the areas identified as geophysical anomalies "B" and "C", respectively (see Figure 3).

A total of eight (8) borings (B-1 through B-8) were advanced using a Geoprobe in areas located adjacent to and/or downgradient from suspected UST system components. Three (3) borings were located to the east of the grain silos to characterize subsurface conditions in the area of the historic UST identified during review of secondary source information and the adjacent anomaly "F" identified during the geophysical investigation (Photograph 7). Five (5) borings were located just to the north of Gay Avenue to characterize subsurface conditions in the area of the three (3) historic USTs identified during review of secondary source information and the anomalies "A", "B", and "C" identified during the geophysical investigation (Photograph 8). Boring locations are shown on Figure 5.



SUBSURFICIAL SOIL SAMPLE LOCATION MAP
KEYSTONE COLOR WORKS AND OHIO BLENDERS
CITY OF YORK
YORK COUNTY, PENNSYLVANIA

NOV. 2005
FIGURE
5

Continuous soil samples were collected from each boring utilizing a 1.5-inch inside-diameter Macro-Core sampling device that was 4.0 feet in length and lined with a single use plastic sleeve. Upon termination of boring activities, each sleeve was opened and the contents were screened with a photoionization detection meter (PID). A PID is a field instrument that is used to detect photoionizable volatile organic vapors, relative to a background level. PID readings were used in concert with visual and olfactory observations to determine the sample interval for laboratory analytical submission.

One (1) sample was collected from each of the eight (8) borings for analysis of leaded gasoline parameters specified in "Table IV9 - Short List of Petroleum Products" of the *Pennsylvania's Land Recycling Program Technical Guidance Manual* (PADEP, 2002), according to U.S. EPA Test Methods SW-846 8260 and SW-846 6010. Soil for volatile organic compound (VOC) analysis was collected first from an undisturbed portion of the selected sample and transferred to the appropriate containers using equipment supplied by the laboratory. The remaining sample was then homogenized and transferred to the appropriate container so that there was no headspace. All excess extracted soil was used to backfill the borings.

Boring B-4 was advanced to the intended depth of 20 feet below ground surface. The remainder of the borings encountered refusal before the intended depth was achieved, at depths ranging from 13.7 feet to 15.7 feet below ground surface. Soils identified in the field appeared to originate from fill, alluvial, and residual materials. Soil from borings B-1, B-4, B-6, and B-8 exhibited a petroleum-like odor. PID readings recorded for soil samples ranged from 0.0 parts per million (ppm) to 724 ppm. Soils from borings B-4 and B-8 exhibited the highest PID readings. No VOC concentrations were detected with the PID within the breathing zone or at ground level during any operation. Groundwater was encountered only in borings B-3, B-4, and B-6 at depths ranging from 11 to 19 feet below ground surface. Boring logs, which show PID readings for each sample interval, are provided in Appendix C.

Analytical Laboratory Services, Inc. of York, Pennsylvania provided analysis for all samples. Laboratory analytical results for soil samples were reported in micrograms or milligrams per kilogram ($\mu\text{g}/\text{kg}$ or mg/kg). These results were converted to mg/kg , where necessary, and evaluated using current PADEP Land Recycling Program (Act 2) Statewide Health Standards. The Statewide Health Standards were calculated for both residential and non-residential properties with a used aquifer of less than or equal to 2,500 mg/L total dissolved solids concentration. The sample location designations on Figure 5 have been color coded to reflect whether a Statewide Health Standard has been exceeded (red) or not (black). Laboratory analytical results for soil samples collected with the Geoprobe are provided in Appendix D. Only lead was detected above the Statewide Health Standard for residential use and non-residential use at one (1) sample location. Table 5 lists the analyte concentrations detected for each sample and the associated Statewide Health Standards. Only those analytes for which one (1) or more of the samples exceeded the laboratory detection limit are included in the table.

TABLE 5
SUMMARY OF SAMPLE RESULTS
SOILS WITHIN AREA OF HISTORIC GASOLINE USTS

Analyte	Sample Location Sample Depth (ft.)						Statewide Health Standard for Residential Use (mg/kg)	Statewide Health Standard for Non-Residential Use (mg/kg)	
	B-1 6-8	B-2 10-12	B-3 12-13	B-4 16-18	B-5 13-15	B-6 14-15	B-7 12-14	B-8 13-14.7	
	Result mg/kg								
Benzene	0.0813	BDL	BDL	BDL	BDL	BDL	0.0078	BDL	0.5
Cumene (Synonym: Isopropylbenzene)	BDL	BDL	BDL	0.224	BDL	BDL	0.141	780	1,600
Lead	541	50.7	23.4	16.2	25.9	21.1	46.8	27.7	450
Naphthalene	0.587	0.092	BDL	BDL	BDL	BDL	BDL	25	25
Toluene	0.133	BDL	BDL	BDL	BDL	BDL	0.0017	BDL	100
Xylenes, Total	252.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1,000

Notes: BDL = Below Detection Limit.

450 = One or more Statewide Health Standard exceeded for analyte

4.0 POTENTIAL OFFSITE CONTAMINANT SOURCE

During the February 7, 2005 meeting with GTS, RACY expressed concern that contaminants from a historic coal gasification plant located immediately west and across Codorus Creek from the Keystone Color Works and Ohio Blenders properties, may have migrated beneath Codorus Creek and impacted the deep site aquifer, potentially requiring well installation to a greater depth than initially proposed. In response to this concern, GTS proposed a phased groundwater investigation at the Site. During the initial stage in this process, GTS would review PADEP files associated with the coal gasification plant, identified as Columbia Gas of Pennsylvania, Inc. (Columbia). Based on review of this information by a Professional Geologist, recommendations concerning any additional investigation beyond that originally proposed would then be provided. The following paragraphs provide a summary of the hydrogeologic and groundwater quality information identified and an assessment of the probability of coal tar related contaminants sourced from the Columbia property being present in groundwater at the Keystone Color Works and Ohio Blenders properties.

During May 1985, DER observed black material on the bottom of Codorus Creek adjacent to the Columbia property. In response, Columbia conducted an exploratory drilling program. Groundwater analytical results revealed elevated levels of aromatic and polynuclear aromatic hydrocarbon compounds, total xylenes, phenolics, and total cyanide (D'Appolonia, 1988). The carbonate (limestone, sandy and shaly limestone, marble and dolomite) bedrock in the area of investigation was confirmed to consist of the Kinzers Formation, which dips steeply (40 to 60 degrees) to the south-southeast (D'Appolonia, 1991a).

Subsequent investigations revealed that coal tar, in the form of a non-aqueous phase liquid (NAPL), was migrating primarily along the top of the native silty clay and in and along the top of bedrock. Contamination migrating to the east and southeast along the bedrock surface is partially intercepted by bedrock fractures steeply dipping to the south-southeast. The coal tar was determined to be migrating downward in response to gravity and eastward in response to groundwater flow. Benzene, toluene, ethylbenzene and xylenes (or BTEX compounds), and PAHs are soluble constituents of coal tar that are more mobile in groundwater than coal tar NAPL. The potential for eastward migration of coal tar constituents under Codorus Creek is concluded. Shallow groundwater (less than 130 feet) upwells into the Codorus Creek. (D'Appolonia, 1991b).

A cleanup plan prepared by The RETEC Group, Inc. (RETEC) and dated March 7, 2003 identifies six (6) residual seeps along the eastern edge of the Columbia Gas property. The seeps are described as a likely result of residuals in subsurface fill or in the fractured, weathered surfaces of the upper bedrock. Additionally, it was concluded that the bedrock was not significantly impacted by coal tar at depth. Groundwater concentrations of benzene and naphthalene (a PAH), which are indicators of VOCs and PAHs, were found to be less than 10 parts per million. Evidence of mobile by-product in the lower bedrock was limited to an isolated location at a depth of 130 feet and was not considered to be a likely source of impact to the Codorus Creek.

The RETEC March 2004 annual creek bank and groundwater recovery system monitoring report was also reviewed. Weekly visual Codorus creek bank inspections are made at historic tar seeps and NAPLs continue to be recovered from the groundwater collection and treatment system. The presence of sheens is observed along the creek bank after rain events. Oil absorbent booms are used to prevent sheens from entering the creek. The groundwater collection system consists of eight (8) recovery wells, subsurface barrier wall and, cut-off trench along the creek. Collected groundwater is treated for suspended solids, oil and grease, PAHs, and BTEX compounds. Treated groundwater is discharged to the City of York Publicly Owned Treatment Works (POTW).

In addition to these documents identified during the PADEP file review, the *Environmental Assessment* report (Edge, 2004) indicates that fill material may have been placed adjacent to the northern and western boundaries of the Northwest Triangle as a result of the reconfiguration of Codorus Creek by the Army Corps of Engineers in the 1930s. This area of fill may lend itself to being considered a suspect area for possible coal tar contaminant occurrence.

In consideration of the information as presented in the references cited herein, the elements of subsurface conditions do exist that would permit coal tar NAPL, sourced from the Columbia site, to migrate eastward towards the Keystone Color Works and Ohio Blenders properties. It would be necessary for contaminated groundwater to flow under the Codorus Creek and therefore likely occur at depth (greater than 130 feet) beneath the Keystone Color Works and Ohio Blenders properties. It would therefore require deep groundwater pumping to encounter the coal tar NAPL. There is also the potential for coal tar NAPL to be present in the Codorus Creek and impact the creek bank along the western boundary of the Ohio Blenders property. There is also the possibility of residual coal tar NAPL and coal tar related constituents being present within the fill material placed by the Army Corps of Engineers along the Codorus Creek.

These fate scenarios of possible groundwater contamination although not verified are theoretically possible as a result of the information contained in the reports cited herein. A detailed review of the available information pertaining to the Columbia site needs to be completed in combination with the subsurface explorations at the Keystone Color Works and Ohio Blenders properties to adequately assess the likelihood or presences of groundwater contamination attributable to the Columbia site. Groundwater quality signature characteristic of the Columbia site should be developed and compared to the groundwater quality signature characteristic of the Keystone Color Works and Ohio Blenders properties.

5.0 CONCLUSIONS

Based upon the results of the investigative activities completed as described herein, the following conclusions are provided with respect to surficial soil, subsoil, groundwater, and related issues at the Keystone Color Works and Ohio Blenders properties.

- **Underground Storage Tanks**

1. As previously indicated, six (6) anomalies (A - F) were delineated using geophysical methods for which the analysis suggested a sufficient size and intensity to represent possible USTs. Some anomalies, such as the triplet at "D" may be associated with possible surface metal. Anomaly "B" may be associated with an underground gas line and anomaly "C" may be associated with an underground fiber optic cable.

Geophysical methods are remote sensing methods that do not directly probe the subsurface and are estimates of subsurface conditions. As such they are subject to interpretation. No geophysical method is guaranteed to detect every subsurface feature of interest beneath the instrumentation. If metallic USTs are extremely degraded due to age and rust oxidation, they may not be easily detectable by any geophysical means since the rusted metal loses its magnetic signature and may not reflect radar waves clearly enough to be seen on the radargrams. GPR data finds reflections of changes in electrical contrast, which usually correlate to physical changes in materials in the subsurface. These reflections are not characteristic and specific for different kinds of materials. They must be interpreted and are therefore tentative.

- **Surficial Soil**

1. Samples collected from soils underlying the Keystone Color Works building exterior windows and sills (AOC 6) exceeded the Statewide Health Standard for lead (4 of 6 samples). All four (4) samples exceeded the standard for non-residential use. The source of this contamination is assumed to be weathering of lead-based paint.
2. Samples collected within former coal storage areas (AOC 2 and AOC 5) on the Ohio Blenders property exceeded Statewide Health Standards for antimony (1 of 36 samples), arsenic (18 of 36 samples), total chromium (1 of 36 samples), lead (4 of 36 samples), and 1,2-diphenylhydrazine (1 of 25 samples). Of these analytes, only arsenic and chromium are typically associated with coal. This would suggest that other sources are responsible for the antimony, lead, and 1,2-diphenylhydrazine. As indicated previously, it is likely that much of the Ohio Blenders property has been built-up with fill material. This fill material, rather than onsite activities or releases, could be the source of the anomalous contaminants identified.
 - a. The single sample exceeding the Statewide Health Standards for antimony was collected from a mowed grassy area adjacent to the North Street site access within AOC 2. This sample exceeded the standard for non-residential use. Antimony is a naturally occurring element. It may also be produced as a byproduct of smelting lead and other metals. Antimony is used in products such as batteries, pigments, solder, sheet and pipe metal, bearings, castings, and pewter. The result does not appear to be representative of site soil conditions.
 - b. The eighteen (18) samples exceeding the Statewide Health Standards for arsenic were distributed throughout the former coal storage areas. Only three (3) of these samples exceeded the standard for non-residential use. Two (2) of these samples were collected from the area immediately to the north of and adjacent to the North Street site access. The other sample was collected from within a mowed grassy area in the center of AOC 2 and does not appear to be representative of surficial soil conditions throughout the remainder of the site. Inorganic arsenic is a naturally occurring element. It may also be produced as a byproduct of smelting ores that contain copper and lead. Arsenic has been used widely as a wood preservative and pesticide and is used in products such as lead-acid batteries, semiconductors, and light-emitting diodes. Coal-fired power plants and incinerators result in atmospheric deposition, because coal and waste products often contain some arsenic.

- c. The single sample exceeding the Statewide Health Standard for chromium VI was collected from a mowed grassy area within AOC 5. This sample did not exceed the standard for non-residential use. Chromium is a naturally occurring element. The most common forms are chromium 0, chromium III, and chromium VI. Chromium 0 is used for making steel. Chromium III and chromium VI are used for chrome plating, dyes and pigments, leather tanning, and wood preserving. It is important to note that the laboratory analytical method requested does not differentiate between the different forms of chromium, but provides a result for total chromium. PADEP has established Statewide Health Standards for chromium III and chromium VI, but not for chromium 0 or total chromium. The Statewide Health Standard value for chromium VI is used for the purpose of comparison as it is more restrictive than the value for chromium III. If the value for chromium III were used, the Statewide Health Standard would not be exceeded. Additional sampling and laboratory analysis for chromium III would be required to make use of this value. In any case, the result does not appear to be representative of site soil conditions.
- d. The four (4) samples exceeding Statewide Health Standards for lead were all collected from the area immediately to the north of and adjacent to the North Street site access. All four (4) samples exceeded the standard for non-residential use. Lead is a naturally occurring element that has historically been used in products such as batteries, ammunition, solder, pipe metal, gasoline, paints, and ceramic products. Based on the results for other samples collected from AOC 2, these elevated levels of lead are localized to this area and the results do not appear to be representative of surficial soil conditions throughout the remainder of the site. It is possible that the contamination may have resulted from historic release(s) of leaded gasoline or from use of contaminated fill material.
- e. The single sample exceeding the Statewide Health Standard for 1,2-diphenylhydrazine was collected from an area adjacent to the railroad tracks within AOC-2. This sample did not exceed the standard for non-residential use. 1,2-diphenylhydrazine is a man-made chemical that was historically used in the manufacture of benzidine, which was used to make various fabric dyes. The only current use of 1,2-diphenylhydrazine in the United States is in the production of medicines to treat inflammation and a type of arthritis. 1,2-diphenylhydrazine rapidly breaks down into benzidine and other chemicals when released to the environment and is unlikely to filter through soil to groundwater. No benzidine was detected in the sample; therefore, the chemical was likely either recently released to the environment, of which there has been no evidence, or it may be attributable to contamination of the sample during collection, handling, or analysis. In either case, the result does not appear to be representative of site soil conditions.

- f. No analytes exceeded Statewide Health Standards for any of the samples collected within the former utility pole storage area (AOC 3) or the soils underlying the Ohio Blenders property transformers (AOC 8). While both creosote compounds and PCBs were detected, it does not appear that releases of these substances will affect site reuse.

- **Subsurface Soil**

- 1. The laboratory results for subsurface soil samples revealed that Statewide Health Standards were exceeded at one (1) sample location. Sample B-1 exceeded the Statewide Health Standard for lead. This sample exceeded the standard for non-residential use and was collected from a depth of 6 to 8 feet below ground surface near the center of AOC 2. None of the surficial soil samples collected from this area of AOC 2 exceeded the Statewide Health Standard for lead. The analytical results, when viewed in context with historic use research, indicate that soil in this location has likely been impacted by a release of leaded gasoline. While no other analytes exceeded Statewide Health Standards for any of the samples collected to characterize potential contamination resulting from the historic use of gasoline storage tanks, it should be noted that evidence of a release, in the form of a petroleum-like odor and elevated PID readings, was also noted in the area of the three (3) historic USTs located just to the north of Gay Avenue.

- **Groundwater**

- 1. The review of published information regarding the Columbia site indicates that subsurface conditions do exist that may permit the migration of coal tar NAPL, sourced from the Columbia site, to migrate eastward towards the Keystone Color Works and Ohio Blenders properties. It would be necessary for contaminated groundwater to flow under the Codorus Creek and therefore likely occur at depth (greater than 130 feet) beneath the Keystone Color Works and Ohio Blenders properties. It would therefore require deep groundwater pumping to encounter the coal tar NAPL. There is also the potential for coal tar NAPL to be present in the Codorus Creek and impact the creek bank along the western boundary of the Ohio Blenders property. There is also the possibility of residual coal tar NAPL and coal tar related constituents being present within the fill material placed by the Army Corps of Engineers along the Codorus Creek.

2. A detailed review of the available information pertaining to the Columbia site needs to be completed in combination with the subsurface explorations at the Keystone Color Works and Ohio Blenders properties to adequately assess the likelihood or presences of groundwater contamination attributable to the Columbia site. Groundwater quality signature characteristic of the Columbia site should be developed and compared to the groundwater quality signature characteristic of the Keystone Color Works and Ohio Blenders properties.

6.0 RECOMMENDATIONS

Based upon the results and the conclusions reached from the investigative activities completed as described herein, the following recommendations are provided with respect to surficial soil, subsoil, groundwater, and related issues.

- **Underground Storage Tanks**

1. Direct probing methods, such as backhoe test pits, are recommended to further characterize the geophysical investigation findings for each of the six (6) anomalies identified. The anomalies may be correctly located with an accurate GPS before any excavations or other field verifications are undertaken. If a UST is encountered, then it is recommended that a certified tank removal contractor be utilized to remove the UST. Any contamination encountered during removal activities should be addressed in accordance with the Pennsylvania Storage Tank and Spill Prevention Act (Act 32), Pennsylvania's Clean Streams Law, and Land Recycling and Environmental Remediation Standards Act (Act 2) as appropriate.

- **Surficial Soil**

1. Abatement of lead impacted surficial soil beneath Keystone Color Works building exterior windows and sills is recommended to attain the appropriate standard for reuse.
2. Abatement of arsenic impacted surficial soils is recommended within the portion of the former coal storage yard identified as AOC 2, that is located to the north of and adjacent to the North Street site access, to attain the appropriate standard for reuse. In addition, abatement of arsenic impacted surficial soils throughout the former coal storage yard areas is recommended should a residential use be desirable.

3. Abatement of lead impacted surficial soils is recommended within the portion of the former coal storage yard identified as AOC 2, that is located to the north of and adjacent to the North Street site access, to attain the appropriate standard for reuse.
4. The remainder of the surficial soil sample results exceeding Statewide Health Standards for antimony, total chromium, and 1,2-diphenylhydrazine do not appear to be representative of site soil conditions. This assumption may be confirmed by conducting additional characterization of soil in these areas.

- **Subsurface Soil**

1. It is first recommended that direct probing methods, such as backhoe test pits, be utilized to determine whether the historic USTs remain in place in areas of identified releases. If a UST is encountered, then it is recommended that a certified tank removal contractor be utilized to remove the UST. Any contamination encountered during tank removal activities should be addressed in accordance with the Pennsylvania Storage Tank and Spill Prevention Act (Act 32), Pennsylvania's Clean Streams Law, and Land Recycling and Environmental Remediation Standards Act (Act 2) as appropriate. If USTs are not encountered during direct probing activities, then additional sampling is recommended to further characterize the severity of contamination in these areas, delineate the horizontal and vertical extent of the contamination, and to provide sufficient information to formulate a decision on site reuse.

- **Groundwater**

1. Sampling for coal tar related constituents is recommended should reuse of the creek bank and adjacent areas be desirable. It is also recommended that groundwater monitoring wells be constructed to a depth greater than 130 feet should it be desirable to characterize the potential presence of contamination from the Columbia site. Groundwater quality signature characteristic of the Columbia site should be developed and compared to the groundwater quality signature characteristic of the Keystone Color Works and Ohio Blenders properties.

LIMITATIONS

It should be noted that the purpose of this *Interim Site Characterization Report* is to present the results of the site characterization activities conducted for the Keystone Color Works and Ohio Blenders Properties to date. GTS is currently in the process of developing a supplemental proposal to revisit the *Site Characterization Plan* dated May 20, 2005 in accordance with Quality Assurance Project Plan (QAPP) and Site-Specific Sampling and Analysis Plan (SAP) formats acceptable to the U.S. EPA Region III Brownfields Program. The remaining tasks will be completed as described in GTS Proposal No. 0049 dated February 9, 2005, following submittal and approval of the QAPP and SAP documents. A supplement to the agreement will be prepared for this effort and for performing the additional recommended site characterization tasks outlined in this interim report in accordance with U.S. EPA Brownfields Program requirements. In addition, GTS will include tasks within the supplemental proposal to address asbestos-containing materials and lead-based paint surveys of the Ohio Blenders site structures as requested.

REFERENCES

- D'Appolonia Engineering Division of Ground Technology, Inc., June 1991a. *Bedrock Geology: Supplemental Site Characterization: Grant Street Facility: York, Pennsylvania.*
- D'Appolonia Engineering Division of Ground Technology, Inc., June 1991b. *Supplemental Site Characterization: Grant Street Facility: York, Pennsylvania.*
- Edge Environmental, Inc., June 1, 2004. *Environmental Assessment: Northwest Triangle: City of York: York County, Pennsylvania.*
- GTS Technologies, Inc., May 20, 2005. *Site Characterization Plan: Keystone Color Works and Ohio Blenders: City of York: York County, Pennsylvania.*
- Pennsylvania Department of Environmental Protection, 2002. *Pennsylvania's Land Recycling Program Technical Guidance Manual.*
- Pennsylvania Department of Environmental Protection. *Pocket Guide to Statewide Health Standards.*
- The RETEC Group, Inc., March 7, 2003. *Cleanup Plan: Former Manufactured Gas Plant Site: Grant Street: York, Pennsylvania.*
- The RETEC Group, Inc., March 2004. *Annual Creek Bank and Groundwater Recovery System Monitoring Report: Former Manufactured Gas Plant Site: Grant Street: York, Pennsylvania.*
- STS D'Appolonia Ltd., February 1988. *Hydrogeologic Exploration Assessment: Grant Street Facility: York Pennsylvania.*

APPENDIX A

PHOTOGRAPHS

GTS Technologies, Inc.

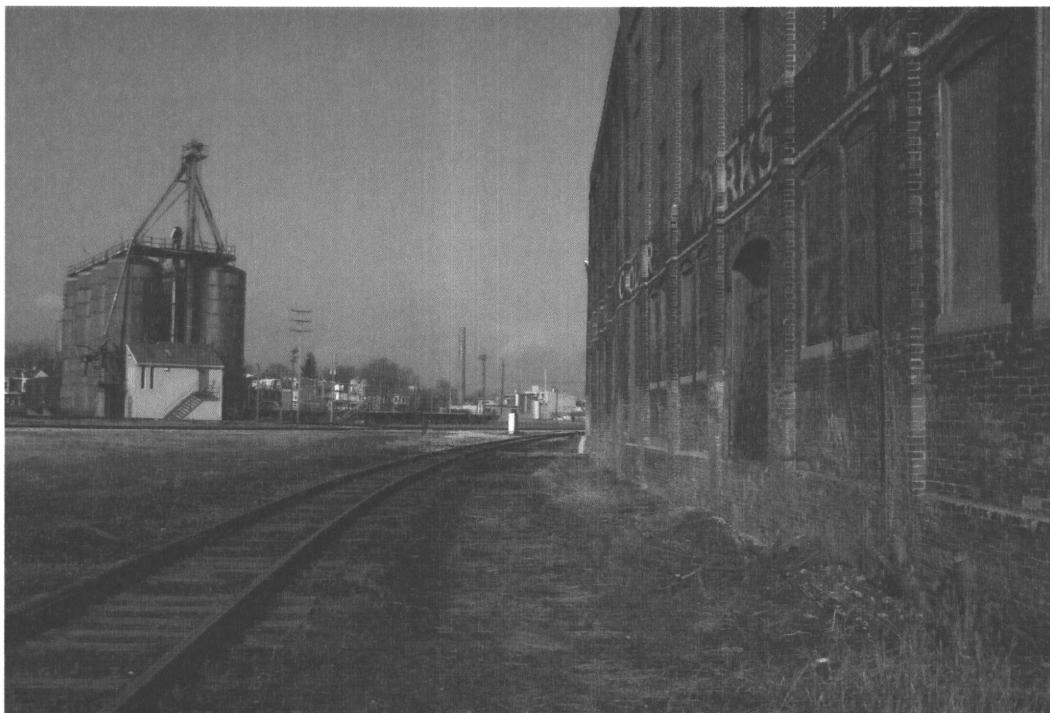
Interim Site Characterization Report
Keystone Color Works &
Ohio Blenders Properties
City of York, Pa.
December 1, 2005



Photograph 1: General view of Keystone Color Works property, facing east.



Photograph 2: General view of Ohio Blenders Property, facing southwest.



Photograph 3: Area from which soil samples were collected beneath Keystone Color Works exterior windows (AOC 6), facing north.



Photograph 4: Facing southwest across location of former Coal Yard No. 1 (AOC 2).



Photograph 5: Facing northeast across area
of former Coal Yard No. 2 (AOC 5).



Photograph 6: Facing southeast across area
of former Utility Pole Storage Yard (AOC 3).



Photograph 7: Facing south toward geophysical anomaly (bounded by stakes) and area where secondary source information identified one (1) gasoline UST.

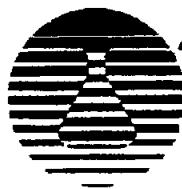


Photograph 8: Facing southeast toward Gay Avenue, across area where secondary source information identified three (3) historic gasoline USTs.

APPENDIX B

LABORATORY ANALYTICAL RESULTS

SURFICIAL SOIL SAMPLES



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-1

Client Sample No.: S1

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S1

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 1 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, t	94.2	t	1	06/13/05	AMR	SM 2540 G.
2-Methylnaphthalene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
2-Methylphenol	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
3- & 4-Methylphenol	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Acenaphthene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Acenaphthylene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Anthracene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Benz(a)anthracene	325.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Benzo(a)pyrene	231.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Benzo(b)fluoranthene	419.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Benzo(g,h,i)perylene	134.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Benzo(k)fluoranthene	325.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Chrysene	625.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Dibenz(a,h)anthracene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Fluoranthene	699.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Fluorene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Indeno(1,2,3-cd)pyrene	149.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Naphthalene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Phenanthrene	186.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Pyrene	708.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's

Note:

Reviewed By: Scott Bent

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-2

Client Sample No.: S2

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S2

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 2 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	88.1	%	1	06/13/05	AMR	SM 2540 G.
2-Methylnaphthalene	ND	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
2-Methylphenol	ND	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
3- & 4-Methylphenol	ND	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Aceanaphthene	ND	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Acenaphthylene	218.	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Anthracene	ND	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Benz(a)anthracene	363.	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Benzo(a)pyrene	324.	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Benzo(b)fluoranthene	582.	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Benzo(g,h,i)perylene	268.	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Benzo(k)fluoranthene	439.	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Chrysene	767.	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Dibenz(a,h)anthracene	ND	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Fluoranthene	561.	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Fluorene	ND	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Indeno(1,2,3-cd)pyrene	291.	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Naphthalene	ND	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Phenanthrene	225.	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's
Pyrene	526.	ug/kg	76	06/16/05	MSM	SW846-8270C 16 PAH's

Note:

8270 - One ISTD recovered low.

Reviewed By: _____

Scott J. Buell

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

Lab Sample Number: L72416-3

411 Friendship Rd.

Client Sample No.: S3

Harrisburg, PA 17111

Sampled By: CLIENT 06/08/05 08:50

Attn: John Kerstetter
Project:
Account: GTS001
Description: S3

Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05
Page: 3 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	89.9	%	1	06/13/05	AMR	SM 2540 G.
2-Methylnaphthalene	ND	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
2-Methylphenol	ND	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
3- & 4-Methylphenol	ND	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Acenaphthene	ND	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Acenaphthylene	90.0	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Anthracene	ND	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Benz(a)anthracene	110.	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Benzo(a)pyrene	206.	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Benzo(b)fluoranthene	410.	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Benzo(g,h,i)perylene	361.	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Benzo(k)fluoranthene	314.	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Chrysene	731.	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Dibenz(a,h)anthracene	ND	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Fluoranthene	402.	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Fluorene	ND	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Indeno(1,2,3-cd)pyrene	347.	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Naphthalene	ND	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Phenanthrene	171.	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's
Pyrene	307.	ug/kg	74	06/20/05	MSM	SW846-8270C 16 PAH's

Note:

8270 - Two ISTDs recovered low.

Reviewed By: Scott Bunn

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-4

Client Sample No.: S4

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter

Project:

Account: GTS001

Description: S4

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 4 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	93.7	%	1	06/14/05	AMR	SM 2540 G.
2-Methylnaphthalene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
2-Methylphenol	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
3- & 4-Methylphenol	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Acenaphthene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Acenaphthylene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Anthracene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Benz(a)anthracene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Benzo(a)pyrene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Benzo(b)fluoranthene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Benzo(g,h,i)perylene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Benzo(k)fluoranthene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Chrysene	113.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Dibenz(a,h)anthracene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Fluoranthene	119.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Fluorene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Indeno(1,2,3-cd)pyrene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Naphthalene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Phenanthrene	ND	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's
Pyrene	107.	ug/kg	71	06/16/05	MSM	SW846-8270C 16 PAH's

Note:

8270 - One ISTD recovered low.

Reviewed By:

Scott Brum

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-5

Client Sample No.: SS

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:

Account: GTS001

Description: SS

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 5 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	88.0	%	1	06/14/05	AMR	SM 2540 G.
2-Methylnaphthalene	ND	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
2-Methylphenol	ND	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
3- & 4-Methylphenol	ND	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthene	ND	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthylene	ND	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Anthracene	ND	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Benz(a)anthracene	179.	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(a)pyrene	171.	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(b)fluoranthene	246.	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(g,h,i)perylene	99.0	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(k)fluoranthene	212.	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Chrysene	295.	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Dibenz(a,h)anthracene	ND	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Fluoranthene	287.	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Fluorene	ND	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Indeno(1,2,3-cd)pyrene	112.	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Naphthalene	ND	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Phenanthrene	81.0	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's
Pyrene	256.	ug/kg	76	06/17/05	MSM	SW846-8270C 16 PAH's

Note:

Reviewed By:

Scott E. Beaul

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-6

Client Sample No.: S6

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 6 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	87.0	%	1	06/14/05	AMR	SM 2540 G.
2-Methylnaphthalene	ND	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
2-Methylphenol	ND	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
3- & 4-Methylphenol	ND	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthene	ND	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthylene	ND	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Anthracene	ND	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Benz(a)anthracene	221.	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(a)pyrene	180.	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(b)fluoranthene	295.	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(g,h,i)perylene	141.	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(k)fluoranthene	214.	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Chrysene	411.	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Dibenz(a,h)anthracene	ND	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Fluoranthene	366.	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Fluorene	ND	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Indeno(1,2,3-cd)pyrene	140.	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Naphthalene	ND	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Phenanthrene	199.	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's
Pyrene	318.	ug/kg	77	06/17/05	MSM	SW846-8270C 16 PAH's

Note:

Reviewed By: Scott J. Bruner

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-7

Client Sample No.: S7

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 7 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	94.7	%	1	06/14/05	AMR	SM 2540 G.
2-Methylnaphthalene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
2-Methylphenol	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
3- & 4-Methylphenol	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthylene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Anthracene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Benz(a)anthracene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(a)pyrene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(b)fluoranthene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(g,h,i)perylene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(k)fluoranthene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Chrysene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Dibenz(a,h)anthracene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Fluoranthene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Fluorene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Indeno(1,2,3-cd)pyrene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Naphthalene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Phenanthrene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Pyrene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's

Note:

Reviewed By: Scott Brant

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

Lab Sample Number: L72416-8

411 Friendship Rd.

Client Sample No.: S8

Harrisburg, PA 17111

Sampled By: CLIENT 06/08/05 08:50

Attn: John Kerstetter
Project:
Account: GTS001
Description: S8

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 8 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	94.3	%	1	06/14/05	AMR	SN 2540 G.
2-Methylnaphthalene	ND	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
2-Methylphenol	ND	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
3- & 4-Methylphenol	ND	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthene	ND	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthylene	ND	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Anthracene	88.0	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Benz(a)anthracene	367.	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(a)pyrene	301.	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(b)fluoranthene	590.	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(g,h,i)perylene	278.	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(k)fluoranthene	406.	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Chrysene	902.	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Dibenz(a,h)anthracene	ND	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Fluoranthene	866.	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Fluorene	ND	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Indeno(1,2,3-cd)pyrene	275.	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Naphthalene	ND	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Phenanthrene	361.	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's
Pyrene	841.	ug/kg	71	06/17/05	MSM	SW846-8270C 16 PAH's

Note:

8270 - One ISTD recovered low.

Reviewed By: Scott Brant

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

Lab Sample Number: L72416-9

411 Friendship Rd.

Client Sample No.: S9

Harrisburg, PA 17111

Sampled By: CLIENT 06/08/05 08:50

Attn: John Kerstetter
Project:
Account: GTS001
Description: S9

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 9 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, t	88.4	t	1	06/14/05	AMR	SM 2540 G.
2-Methylnaphthalene	ND	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
2-Methylphenol	ND	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
3- & 4-Methylphenol	ND	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthene	ND	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthylene	ND	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Anthracene	ND	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Benz(a)anthracene	151.	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(a)pyrene	161.	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(b)fluoranthene	233.	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(g,h,i)perylene	229.	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(k)fluoranthene	177.	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Chrysene	464.	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Dibenz(a,h)anthracene	ND	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Fluoranthene	515.	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Fluorene	ND	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Indeno(1,2,3-cd)pyrene	209.	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Naphthalene	ND	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Phenanthrene	288.	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's
Pyrene	446.	ug/kg	75	06/17/05	MSM	SW846-8270C 16 PAH's

Note:

8270 - One ISTD recovered low.

Reviewed By: Scott Brunk

cc:

DL = Detection Limit

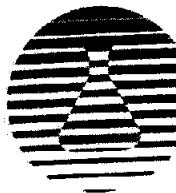
J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Sep 08, 2005

**CERTIFICATE OF ANALYSIS
REVISED REPORT**

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-10

Client Sample No.: S10

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/10/05
Matrix: Soil
Discard Date: 09/22/05
Page: 1

Attn: John Kerstetter
Project:
Account: GTS001
Description: S10

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	89.8	%	1	06/13/05	AMR	SM 2540 G.
2-Methylnaphthalene	ND	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
2-Methylphenol	ND	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
3- & 4-Methylphenol	ND	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthene	ND	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthylene	ND	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Anthracene	ND	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Benz(a)anthracene	ND	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(a)pyrene	ND	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(b)fluoranthene	81.0	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(g,h,i)perylene	88.0	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(k)fluoranthene	85.0	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Chrysene	216.	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Dibenz(a,h)anthracene	ND	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Fluoranthene	273.	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Fluorene	ND	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Indeno(1,2,3-cd)pyrene	87.0	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Naphthalene	ND	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Phenanthrene	227.	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's
Pyrene	240.	ug/kg	74	06/17/05	MSM	SW846-8270C 16 PAH's

Note:

8270 - One ISTD recovered low, surrogates not spiked.

Reviewed By: _____

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-11

Client Sample No.: S11

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 11 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	94.7	%	1	06/13/05	AMR	SM 2540 G.
2-Methylnaphthalene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
2-Methylphenol	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
3- & 4-Methylphenol	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Acenaphthylene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Anthracene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Benz(a)anthracene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(a)pyrene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(b)fluoranthene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(g,h,i)perylene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Benzo(k)fluoranthene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Chrysene	159.	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Dibenz(a,h)anthracene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Fluoranthene	111.	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Fluorene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Indeno(1,2,3-cd)pyrene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Naphthalene	ND	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Phenanthrene	75.0	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's
Pyrene	111.	ug/kg	70	06/17/05	MSM	SW846-8270C 16 PAH's

Note:

8270 - Two ISTDs recovered low.

Reviewed By: Scott Brant

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

Lab Sample Number: L72416-12

411 Friendship Rd.

Client Sample No.: S12

Harrisburg, PA 17111

Sampled By: CLIENT 06/08/05 08:50

Attn: John Kerstetter
Project:
Account: GTS001
Description: S12

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 12 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	92.9	t	1	06/13/05	AMR	SM 2540 G.
2-Methylnaphthalene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
2-Methylphenol	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
3- & 4-Methylphenol	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Acenaphthene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Acenaphthylene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Anthracene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Benz(a)anthracene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Benzo(a)pyrene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Benzo(b)fluoranthene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Benzo(g,h,i)perylene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Benzo(k)fluoranthene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Chrysene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Dibenz(a,h)anthracene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Fluoranthene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Fluorene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Indeno(1,2,3-cd)pyrene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Naphthalene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Phenanthrene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's
Pyrene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C 16 PAH's

Note:

Reviewed By:

Scott Buell

cc:

DL = Detection Limit

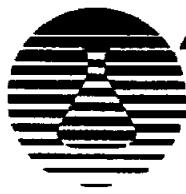
J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-13

Client Sample No.: S13

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S13

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 13 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	83.9	%	1	06/13/05	AMR	SM 2540 G.
Aroclor 1016	ND	mg/kg	0.046	06/17/05	ALSI	SW846-8082
Aroclor 1221	ND	mg/kg	0.046	06/17/05	ALSI	SW846-8082
Aroclor 1232	ND	mg/kg	0.046	06/17/05	ALSI	SW846-8082
Aroclor 1242	ND	mg/kg	0.046	06/17/05	ALSI	SW846-8082
Aroclor 1248	ND	mg/kg	0.046	06/17/05	ALSI	SW846-8082
Aroclor 1254	ND	mg/kg	0.046	06/17/05	ALSI	SW846-8082
Aroclor 1260	ND	mg/kg	0.046	06/17/05	ALSI	SW846-8082

Note:

Sample was analyzed for PCBs at our Middletown facility

Reviewed By: Scott Bent

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-14

Client Sample No.: S14

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter

Project:

Account: GTS001

Description: S14

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 14 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, t	78.6	t	1	06/13/05	AMR	SM 2540 G.
Aroclor 1016	ND	mg/kg	0.051	06/17/05	ALSI	SW846-8082
Aroclor 1221	ND	mg/kg	0.051	06/17/05	ALSI	SW846-8082
Aroclor 1232	ND	mg/kg	0.051	06/17/05	ALSI	SW846-8082
Aroclor 1242	ND	mg/kg	0.051	06/17/05	ALSI	SW846-8082
Aroclor 1248	ND	mg/kg	0.051	06/17/05	ALSI	SW846-8082
Aroclor 1254	ND	mg/kg	0.051	06/17/05	ALSI	SW846-8082
Aroclor 1260	0.12	mg/kg	0.051	06/17/05	ALSI	SW846-8082

Note:

Sample was analyzed for PCBs at our Middletown facility

Reviewed By: Scott Brum

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

Lab Sample Number: L72416-15

411 Friendship Rd.

Client Sample No.: S15

Harrisburg, PA 17111

Sampled By: CLIENT 06/08/05 08:50

Attn: John Kerstetter
Project:

Date Received: CLIENT 06/09/05

Account: GTS001
Description: S15

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 15 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	76.0	%	1	06/13/05	AMR	SM 2540 G.
Aroclor 1016	ND	mg/kg	0.057	06/17/05	ALSI	SW846-8082
Aroclor 1221	ND	mg/kg	0.057	06/17/05	ALSI	SW846-8082
Aroclor 1232	ND	mg/kg	0.057	06/17/05	ALSI	SW846-8082
Aroclor 1242	ND	mg/kg	0.057	06/17/05	ALSI	SW846-8082
Aroclor 1248	ND	mg/kg	0.057	06/17/05	ALSI	SW846-8082
Aroclor 1254	ND	mg/kg	0.057	06/17/05	ALSI	SW846-8082
Aroclor 1260	0.16	mg/kg	0.057	06/17/05	ALSI	SW846-8082

Note:

Sample was analyzed for PCBs at our Middletown facility

Reviewed By: Scott Burt

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-16

Client Sample No.: S16

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 16 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	81.5	%	1	06/13/05	AMR	SM 2540 G.
Antimony	4.0	mg/kg	3.07	06/21/05	BAB	SW-846 6010
Arsenic	38.9	mg/kg	1.23	06/21/05	BAB	SW-846 6010
Beryllium	1.4	mg/kg	0.06136	06/21/05	BAB	SW-846 6010
Cadmium	5.2	mg/kg	0.123	06/21/05	BAB	SW-846 6010
Chromium	29.3	mg/kg	0.614	06/21/05	BAB	SW-846 6010
Copper	117.	mg/kg	0.491	06/21/05	BAB	SW-846 6010
Lead	868.	mg/kg	3.068	06/21/05	BAB	SW-846 6010
Nickel	39.7	mg/kg	0.614	06/21/05	BAB	SW-846 6010
Selenium	ND	mg/kg	3.07	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.491	06/21/05	BAB	SW-846 6010
Thallium	5.2	mg/kg	3.07	06/21/05	BAB	SW-846 6010
Zinc	392.	mg/kg	0.123	06/21/05	BAB	SW-846 6010
Mercury, Total	1.3	mg/kg	0.112	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	204	06/27/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	204	06/27/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	204	06/27/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	204	06/27/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	204	06/27/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	204	06/27/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	204	06/27/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	204	06/27/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-16

Client Sample No.: S16

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 17 of 107

Attn: John Kerstetter
Project:
Account: GTS001
Description: S16

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	204	06/27/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Acenaphthylene	150.	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Anthracene	99.7	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Benzo(a)anthracene	533.	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Benzo(a)pyrene	379.	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Benzo(b)fluoranthene	523.	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	563.	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Benzo(k)fluoranthene	391.	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Carbazole	101.	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Chrysene	1010	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Fluoranthene	1130	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	427.	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	204	06/27/05	MSM	SW846-8270C
Phenanthrene	629.	ug/kg	81.7	06/27/05	MSM	SW846-8270C
Phenol	ND	ug/kg	204	06/27/05	MSM	SW846-8270C
Pyrene	1080	ug/kg	81.7	06/27/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	123	06/27/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	81.7	06/27/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

Lab Sample Number: L72416-16

411 Friendship Rd.

Client Sample No.: S16

Harrisburg, PA 17111

Sampled By: CLIENT 06/08/05 08:50

Attn: John Kerstetter
Project:
Account: GTS001
Description: S16

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 18 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
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Note:

8270 - 2,4-Dichlorophenol biased low, SPCCs and other CCCs were ok. One ISTD recovered low.

Reviewed By: Scott Buell

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-17

Client Sample No.: S17

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S17

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 1

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	86.3	%	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.9	06/21/05	BAB	SW-846 6010
Arsenic	12.7	mg/kg	1.16	06/21/05	BAB	SW-846 6010
Beryllium	0.57	mg/kg	0.05796	06/21/05	BAB	SW-846 6010
Cadmium	1.9	mg/kg	0.116	06/21/05	BAB	SW-846 6010
Chromium	7.0	mg/kg	0.58	06/21/05	BAB	SW-846 6010
Copper	20.4	mg/kg	0.464	06/21/05	BAB	SW-846 6010
Lead	81.1	mg/kg	2.898	06/21/05	BAB	SW-846 6010
Nickel	10.6	mg/kg	0.58	06/21/05	BAB	SW-846 6010
Selenium	4.4	mg/kg	2.9	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.464	06/21/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.9	06/21/05	BAB	SW-846 6010
Zinc	29.2	mg/kg	0.116	06/21/05	BAB	SW-846 6010
Mercury, Total	0.41	mg/kg	0.116	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	191	06/24/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	191	06/24/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	191	06/24/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	191	06/24/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	191	06/24/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	191	06/24/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	191	06/24/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	191	06/24/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-17

Client Sample No.: S17

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 2

Attn: John Kerstetter
Project:
Account: GTS001
Description: S17

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	191	06/24/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Benzo (a) anthracene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Benzo (a) pyrene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Benzo (b) fluoranthene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Benzo (g, h, i) perylene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Benzo (k) fluoranthene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Chrysene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Fluoranthene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Indeno (1, 2, 3-cd)pyrene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	191	06/24/05	MSM	SW846-8270C
Phenanthrene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
Phenol	ND	ug/kg	191	06/24/05	MSM	SW846-8270C
Pyrene	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	115	06/24/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	76.5	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-17

Client Sample No.: S17

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05
Page: 3

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
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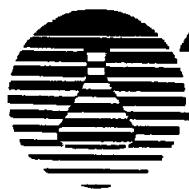
Note:

Reviewed By: Scott Bear

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-18

Client Sample No.: S18

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter

Project:

Account: GTS001

Description: S18

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 22 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	82.0	%	1	06/13/05	AMR	SM 2540 G.
Antimony	4.6	mg/kg	3.05	06/21/05	BAB	SW-846 6010
Arsenic	36.6	mg/kg	1.22	06/21/05	BAB	SW-846 6010
Beryllium	1.3	mg/kg	0.06095	06/21/05	BAB	SW-846 6010
Cadmium	3.6	mg/kg	0.122	06/21/05	BAB	SW-846 6010
Chromium	16.1	mg/kg	0.61	06/21/05	BAB	SW-846 6010
Copper	110.	mg/kg	0.488	06/21/05	BAB	SW-846 6010
Lead	790.	mg/kg	3.048	06/21/05	BAB	SW-846 6010
Nickel	25.1	mg/kg	0.61	06/21/05	BAB	SW-846 6010
Selenium	12.2	mg/kg	3.05	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.488	06/21/05	BAB	SW-846 6010
Thallium	4.0	mg/kg	3.05	06/21/05	BAB	SW-846 6010
Zinc	101.	mg/kg	0.122	06/21/05	BAB	SW-846 6010
Mercury, Total	1.2	mg/kg	0.116	06/22/05	BAB	SW-846 7471

Note:

Reviewed By: Scott Bur

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-19

Client Sample No.: S19

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 23 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	79.9	%	1	06/13/05	AMR	SM 2540 G.
Antimony	3.4	mg/kg	3.13	06/21/05	BAB	SW-846 6010
Arsenic	345.	mg/kg	1.25	06/21/05	BAB	SW-846 6010
Beryllium	0.56	mg/kg	0.06256	06/21/05	BAB	SW-846 6010
Cadmium	1.4	mg/kg	0.125	06/21/05	BAB	SW-846 6010
Chromium	21.8	mg/kg	0.626	06/21/05	BAB	SW-846 6010
Copper	74.0	mg/kg	0.501	06/21/05	BAB	SW-846 6010
Lead	3450	mg/kg	3.128	06/21/05	BAB	SW-846 6010
Nickel	12.9	mg/kg	0.626	06/21/05	BAB	SW-846 6010
Selenium	9.3	mg/kg	3.13	06/21/05	BAB	SW-846 6010
Silver	3.7	mg/kg	0.501	06/21/05	BAB	SW-846 6010
Thallium	6.8	mg/kg	3.13	06/21/05	BAB	SW-846 6010
Zinc	324.	mg/kg	0.125	06/21/05	BAB	SW-846 6010
Mercury, Total	7.1	mg/kg	0.125	06/22/05	BAB	SW-846 7471

Note:

Reviewed By: Scott, Bent

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

Lab Sample Number: L72416-20

411 Friendship Rd.

Client Sample No.: S20

Harrisburg, PA 17111

Sampled By: CLIENT 06/08/05 08:50

Attn: John Kerstetter
Project:

Date Received: CLIENT 06/09/05

Account: GTS001
Description: S20

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 24 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	54.0	%	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	4.63	06/21/05	BAB	SW-846 6010
Arsenic	2.9	mg/kg	1.85	06/21/05	BAB	SW-846 6010
Beryllium	0.54	mg/kg	0.09266	06/21/05	BAB	SW-846 6010
Cadmium	0.54	mg/kg	0.185	06/21/05	BAB	SW-846 6010
Chromium	12.8	mg/kg	0.927	06/21/05	BAB	SW-846 6010
Copper	26.4	mg/kg	0.741	06/21/05	BAB	SW-846 6010
Lead	40.3	mg/kg	4.633	06/21/05	BAB	SW-846 6010
Nickel	16.5	mg/kg	0.927	06/21/05	BAB	SW-846 6010
Selenium	ND	mg/kg	4.63	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.741	06/21/05	BAB	SW-846 6010
Thallium	ND	mg/kg	4.63	06/21/05	BAB	SW-846 6010
Zinc	28.2	mg/kg	0.185	06/21/05	BAB	SW-846 6010
Mercury, Total	ND	mg/kg	0.137	06/22/05	BAB	SW-846 7471

Note:

Reviewed By: Scott J. Bunn

cc:

DL = Detection Limit

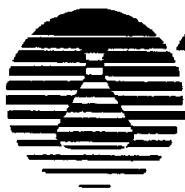
J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-21

Client Sample No.: S21

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter

Project:

Account: GTS001

Description: S21

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 25 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	82.0	%	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	3.05	06/21/05	BAB	SW-846 6010
Arsenic	87.0	mg/kg	1.22	06/21/05	BAB	SW-846 6010
Beryllium	1.4	mg/kg	0.06099	06/21/05	BAB	SW-846 6010
Cadmium	4.1	mg/kg	0.122	06/21/05	BAB	SW-846 6010
Chromium	24.8	mg/kg	0.61	06/21/05	BAB	SW-846 6010
Copper	81.8	mg/kg	0.488	06/21/05	BAB	SW-846 6010
Lead	2140	mg/kg	3.05	06/21/05	BAB	SW-846 6010
Nickel	31.2	mg/kg	0.61	06/21/05	BAB	SW-846 6010
Selenium	ND	mg/kg	3.05	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.488	06/21/05	BAB	SW-846 6010
Thallium	4.8	mg/kg	3.05	06/21/05	BAB	SW-846 6010
Zinc	223.	mg/kg	0.122	06/21/05	BAB	SW-846 6010
Mercury, Total	1.3	mg/kg	0.116	06/22/05	BAB	SW-846 7471

Note:

Reviewed By: Scott Brown

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank

978 Loucks Mill Road • York, Pennsylvania 17402-1999

Tel: 717.505.5280 • Fax: 717.505.5285



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-22

Client Sample No.: S22

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 26 of 107

Attn: John Kerstetter

Project:

Account: GTS001

Description: S22

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	89.1	%	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.81	06/21/05	BAB	SW-846 6010
Arsenic	9.4	mg/kg	1.12	06/21/05	BAB	SW-846 6010
Beryllium	1.3	mg/kg	0.0561	06/21/05	BAB	SW-846 6010
Cadmium	2.4	mg/kg	0.112	06/21/05	BAB	SW-846 6010
Chromium	23.4	mg/kg	0.561	06/21/05	BAB	SW-846 6010
Copper	22.2	mg/kg	0.449	06/21/05	BAB	SW-846 6010
Lead	56.4	mg/kg	2.805	06/21/05	BAB	SW-846 6010
Nickel	18.5	mg/kg	0.561	06/21/05	BAB	SW-846 6010
Selenium	6.4	mg/kg	2.81	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.449	06/21/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.81	06/21/05	BAB	SW-846 6010
Zinc	75.9	mg/kg	0.112	06/21/05	BAB	SW-846 6010
Mercury, Total	0.34	mg/kg	0.083	06/22/05	BAB	SW-846 7471

Note:

Reviewed By: Scott Bunn

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-23

Client Sample No.: S23

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 27 of 107

Attn: John Kerstetter
Project:
Account: GTS001
Description: S23

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	73.4	%	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	3.41	06/21/05	BAB	SW-846 6010
Arsenic	8.7	mg/kg	1.36	06/21/05	BAB	SW-846 6010
Beryllium	2.0	mg/kg	0.06812	06/21/05	BAB	SW-846 6010
Cadmium	3.2	mg/kg	0.136	06/21/05	BAB	SW-846 6010
Chromium	23.8	mg/kg	0.681	06/21/05	BAB	SW-846 6010
Copper	21.4	mg/kg	0.545	06/21/05	BAB	SW-846 6010
Lead	43.8	mg/kg	3.406	06/21/05	BAB	SW-846 6010
Nickel	20.5	mg/kg	0.681	06/21/05	BAB	SW-846 6010
Selenium	ND	mg/kg	3.41	06/21/05	BAB	SW-846 6010
Silver	8.5	mg/kg	0.545	06/21/05	BAB	SW-846 6010
Thallium	5.0	mg/kg	3.41	06/21/05	BAB	SW-846 6010
Zinc	69.0	mg/kg	0.136	06/21/05	BAB	SW-846 6010
Mercury, Total	0.24	mg/kg	0.0599	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	225	06/20/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	225	06/20/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	225	06/20/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	225	06/20/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	225	06/20/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	225	06/20/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	225	06/20/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	225	06/20/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-23

Client Sample No.: S23

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 28 of 107

Attn: John Kexstetter
Project:
Account: GTS001
Description: S23

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	225	06/20/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Benzo(a)anthracene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Benzo(a)pyrene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Benzo(b)fluoranthene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Benzo(k)fluoranthene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Chrysene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Fluoranthene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	225	06/20/05	MSM	SW846-8270C
Phenanthrene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
Phenol	ND	ug/kg	225	06/20/05	MSM	SW846-8270C
Pyrene	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	135	06/20/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	89.9	06/20/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-23

Client Sample No.: S23

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 29 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
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Note:

8270 - Phenol recovered low in CHKSTD, some compounds recovered low in LCS/MS/MSD.

Reviewed By: Scott Brun

CC:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-24

Client Sample No.: S24

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter

Project:

Account: GTS001

Description: S24

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 1

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	86.7	%	1	06/13/05	AMR	SM 2540 G.
Antimony	48.7	mg/kg	2.88	06/21/05	BAB	SW-846 6010
Arsenic	10.3	mg/kg	1.15	06/21/05	BAB	SW-846 6010
Beryllium	1.3	mg/kg	0.05766	06/21/05	BAB	SW-846 6010
Cadmium	2.9	mg/kg	0.115	06/21/05	BAB	SW-846 6010
Chromium	21.6	mg/kg	0.577	06/21/05	BAB	SW-846 6010
Copper	50.1	mg/kg	0.461	06/21/05	BAB	SW-846 6010
Lead	121.	mg/kg	2.883	06/21/05	BAB	SW-846 6010
Nickel	18.8	mg/kg	0.577	06/21/05	BAB	SW-846 6010
Selenium	10.8	mg/kg	2.88	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.461	06/21/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.88	06/21/05	BAB	SW-846 6010
Zinc	141.	mg/kg	0.115	06/21/05	BAB	SW-846 6010
Mercury, Total	0.88	mg/kg	0.0496	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	386	06/24/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	386	06/24/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	386	06/24/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	386	06/24/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	386	06/24/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	386	06/24/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	386	06/24/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	386	06/24/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	155	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-24

Client Sample No.: S24

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 2

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	386	06/24/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Acenaphthylene	389.	ug/kg	155	06/24/05	MSM	SW846-8270C
Anthracene	178.	ug/kg	155	06/24/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Benzo(a)anthracene	2810	ug/kg	155	06/24/05	MSM	SW846-8270C
Benzo(a)pyrene	1550	ug/kg	155	06/24/05	MSM	SW846-8270C
Benzo(b)fluoranthene	2310	ug/kg	155	06/24/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	1440	ug/kg	155	06/24/05	MSM	SW846-8270C
Benzo(k)fluoranthene	2100	ug/kg	155	06/24/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Chrysene	4450	ug/kg	155	06/24/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	164.	ug/kg	155	06/24/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Fluoranthene	7830	ug/kg	155	06/24/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Hexachlorocyclohexadiene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	1440	ug/kg	155	06/24/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	386	06/24/05	MSM	SW846-8270C
Phenanthrene	457.	ug/kg	155	06/24/05	MSM	SW846-8270C
Phenol	ND	ug/kg	386	06/24/05	MSM	SW846-8270C
Pyrene	6760	ug/kg	155	06/24/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	232	06/24/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	155	06/24/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	195.	ug/kg	155	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-24

Client Sample No.: S24

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 3

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
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Note:

8270 - One ISTD recovered low.

Reviewed By: Scott Brun

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-25

Client Sample No.: S25

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 33 of 107

Attn: John Kerstetter
Project:
Account: GTS001
Description: S25

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	90.6	#	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.76	06/21/05	BAB	SW-846 6010
Arsenic	14.4	mg/kg	1.1	06/21/05	BAB	SW-846 6010
Beryllium	1.3	mg/kg	0.05517	06/21/05	BAB	SW-846 6010
Cadmium	2.9	mg/kg	0.11	06/21/05	BAB	SW-846 6010
Chromium	26.2	mg/kg	0.552	06/21/05	BAB	SW-846 6010
Copper	35.4	mg/kg	0.441	06/21/05	BAB	SW-846 6010
Lead	220.	mg/kg	2.758	06/21/05	BAB	SW-846 6010
Nickel	21.2	mg/kg	0.552	06/21/05	BAB	SW-846 6010
Selenium	ND	mg/kg	2.76	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.441	06/21/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.76	06/21/05	BAB	SW-846 6010
Zinc	119.	mg/kg	0.11	06/21/05	BAB	SW-846 6010
Mercury, Total	2.0	mg/kg	0.11	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	182	06/20/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	182	06/20/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	182	06/20/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	182	06/20/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	182	06/20/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	182	06/20/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	182	06/20/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	182	06/20/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	182	06/20/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-25

Client Sample No.: S25

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 34 of 107

Attn: John Kerstatter
Project:
Account: GTS001
Description: S25

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	182	06/20/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Benzo(a)anthracene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Benzo(a)pyrene	143.	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Benzo(b)fluoranthene	106.	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	172.	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Benzo(k)fluoranthene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Butylbenzyl phthalate	133.	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Chrysene	314.	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Fluoranthene	367.	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	100.	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
Phenanthrene	172.	ug/kg	182	06/20/05	MSM	SW846-8270C
Phenol	ND	ug/kg	182	06/20/05	MSM	SW846-8270C
Pyrene	330.	ug/kg	72.8	06/20/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	109	06/20/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	72.8	06/20/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-25

Client Sample No.: S25

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 35 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
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Note:

8270 - Phenol recovered low in CHKSTD, some compounds recovered low in LCS/MS/MSD. One ISTD low.

Reviewed By: Scott Brumley

cc:

DL = Detection Limit

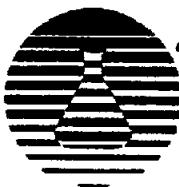
J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

Lab Sample Number: L72416-26

411 Friendship Rd.

Client Sample No.: S26

Harrisburg, PA 17111

Sampled By: CLIENT 06/08/05 08:50

Attn: John Kerstetter
Project:
Account: GTS001
Description: S26

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 36 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	91.7	%	1	06/13/05	AMR	SM 1540 G.
Antimony	ND	mg/kg	2.73	06/21/05	BAB	SW-846 6010
Arsenic	11.1	mg/kg	1.09	06/21/05	BAB	SW-846 6010
Beryllium	1.1	mg/kg	0.05454	06/21/05	BAB	SW-846 6010
Cadmium	2.6	mg/kg	0.109	06/21/05	BAB	SW-846 6010
Chromium	22.2	mg/kg	0.545	06/21/05	BAB	SW-846 6010
Copper	35.9	mg/kg	0.436	06/21/05	BAB	SW-846 6010
Lead	195.	mg/kg	2.727	06/21/05	BAB	SW-846 6010
Nickel	20.0	mg/kg	0.545	06/21/05	BAB	SW-846 6010
Selenium	ND	mg/kg	2.73	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.436	06/21/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.73	06/21/05	BAB	SW-846 6010
Zinc	155.	mg/kg	0.109	06/21/05	BAB	SW-846 6010
Mercury, Total	2.2	mg/kg	0.104	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	180	06/20/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	180	06/20/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	180	06/20/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	180	06/20/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	180	06/20/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	180	06/20/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	180	06/20/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	180	06/20/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	72	06/20/05	MSM	SW846-8270C

978 Loucks Mill Road • York, Pennsylvania 17402-1999

Tel: 717.505.5280 • Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-26

Client Sample No.: S26

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S26

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 37 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	180	06/20/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Benzo(a)anthracene	107.	ug/kg	72	06/20/05	MSM	SW846-8270C
Benzo(a)pyrene	90.0	ug/kg	72	06/20/05	MSM	SW846-8270C
Benzo(b)fluoranthene	152.	ug/kg	72	06/20/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Benzo(k)fluoranthene	130.	ug/kg	72	06/20/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Chrysene	277.	ug/kg	72	06/20/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Fluoranthene	315.	ug/kg	72	06/20/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	96.5	ug/kg	72	06/20/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	180	06/20/05	MSM	SW846-8270C
Phenanthrene	156.	ug/kg	72	06/20/05	MSM	SW846-8270C
Phenol	ND	ug/kg	180	06/20/05	MSM	SW846-8270C
Pyrene	268.	ug/kg	72	06/20/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	108	06/20/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	72	06/20/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	72	06/20/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-26

Client Sample No.: S26

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 38 of 107

Attn: John Kerstetter

Project:

Account: GTS001

Description: S26

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
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Note:

8270 - Phenol recovered low in CHKSTD, some compounds recovered low in LCS/MS/MSD. One ISTD low.

Reviewed By: Scott Brumley

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

Lab Sample Number: L72416-27

411 Friendship Rd.

Client Sample No.: S27

Harrisburg, PA 17111

Sampled By: CLIENT 06/08/05 08:50

Attn: John Kerstetter

Date Received: CLIENT 06/09/05

Project:

Date Reported: 06/29/05

Account: GTS001

Matrix: Soil

Description: S27

Discard Date: 07/13/05

Page: 39 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	88.4	%	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.83	06/21/05	BAB	SW-846 6010
Arsenic	23.2	mg/kg	1.13	06/21/05	BAB	SW-846 6010
Beryllium	1.2	mg/kg	0.05655	06/21/05	BAB	SW-846 6010
Cadmium	2.8	mg/kg	0.113	06/21/05	BAB	SW-846 6010
Chromium	23.3	mg/kg	0.565	06/21/05	BAB	SW-846 6010
Copper	29.6	mg/kg	0.452	06/21/05	BAB	SW-846 6010
Lead	90.1	mg/kg	2.827	06/21/05	BAB	SW-846 6010
Nickel	26.2	mg/kg	0.565	06/21/05	BAB	SW-846 6010
Selenium	7.4	mg/kg	2.83	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.452	06/21/05	BAB	SW-846 6010
Thallium	2.9	mg/kg	2.83	06/21/05	BAB	SW-846 6010
Zinc	179.	mg/kg	0.113	06/21/05	BAB	SW-846 6010
Mercury, Total	2.2	mg/kg	0.113	06/22/05	BAB	SW-846 7471

Note:

Reviewed By: Scott Brum

cc:

DL = Detection Limit

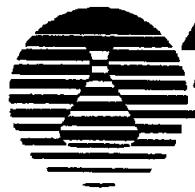
J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

Lab Sample Number: L72416-28

411 Friendship Rd.

Client Sample No.: S28

Harrisburg, PA 17111

Sampled By: CLIENT 06/08/05 08:50

Attn: John Kerstetter

Date Received: CLIENT 06/09/05

Project:

Date Reported: 06/29/05

Account: GTS001

Matrix: Soil

Description: S28

Discard Date: 07/13/05

Page: 40 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	88.6	%	1	06/13/05	AMR	SM 2540 G.
Antimony	17.9	mg/kg	2.82	06/21/05	BAB	SW-846 6010
Arsenic	59.8	mg/kg	1.13	06/21/05	BAB	SW-846 6010
Beryllium	1.1	mg/kg	0.05645	06/21/05	BAB	SW-846 6010
Cadmium	3.8	mg/kg	0.113	06/21/05	BAB	SW-846 6010
Chromium	54.5	mg/kg	0.564	06/21/05	BAB	SW-846 6010
Copper	122.	mg/kg	0.452	06/21/05	BAB	SW-846 6010
Lead	218.	mg/kg	2.822	06/21/05	BAB	SW-846 6010
Nickel	108.	mg/kg	0.564	06/21/05	BAB	SW-846 6010
Selenium	13.8	mg/kg	2.82	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.452	06/21/05	BAB	SW-846 6010
Thallium	3.5	mg/kg	2.82	06/21/05	BAB	SW-846 6010
Zinc	234.	mg/kg	0.113	06/21/05	BAB	SW-846 6010
Mercury, Total	0.95	mg/kg	0.113	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	186	06/20/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	186	06/20/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	186	06/20/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	186	06/20/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	186	06/20/05	MSM	SW846-8270C
2-Methylnaphthalene	448.	ug/kg	74.5	06/20/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	186	06/20/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	186	06/20/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	186	06/20/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-28

Client Sample No.: S28

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 41 of 107

Attn: John Kerstetter
Project:
Account: GTS001
Description: S28

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	186	06/20/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Acenaphthylene	218.	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Anthracene	330.	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Benzo(a)anthracene	365.	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Benzo(a)pyrene	324.	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Benzo(b)fluoranthene	760.	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	686.	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Benzo(k)fluoranthene	527.	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Carbazole	95.0	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Chrysene	1540	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	129.	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Dibenzofuran	404.	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Fluoranthene	1540	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Naphthalene	340.	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	186	06/20/05	MSM	SW846-8270C
Phenanthrene	1330	ug/kg	74.5	06/20/05	MSM	SW846-8270C
Phenol	ND	ug/kg	186	06/20/05	MSM	SW846-8270C
Pyrene	1120	ug/kg	74.5	06/20/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	112	06/20/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	74.5	06/20/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-28

Client Sample No.: S28

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 42 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
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Note:

8270 - Phenol recovered low in CHKSTD, some compounds recovered low in LCS/MS/MSD. Two ISTDs low.

Reviewed By: Scott J. Brown

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-29

Client Sample No.: S29

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 43 of 107

Attn: John Kerstetter

Project:

Account: GTS001

Description: S29

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	86.5	%	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.89	06/21/05	BAB	SW-846 6010
Arsenic	15.6	mg/kg	1.16	06/21/05	BAB	SW-846 6010
Beryllium	1.5	mg/kg	0.05779	06/21/05	BAB	SW-846 6010
Cadmium	3.4	mg/kg	0.116	06/21/05	BAB	SW-846 6010
Chromium	73.5	mg/kg	0.578	06/21/05	BAB	SW-846 6010
Copper	32.2	mg/kg	0.462	06/21/05	BAB	SW-846 6010
Lead	90.3	mg/kg	2.89	06/21/05	BAB	SW-846 6010
Nickel	45.2	mg/kg	0.578	06/21/05	BAB	SW-846 6010
Selenium	12.6	mg/kg	2.89	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.462	06/21/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.89	06/21/05	BAB	SW-846 6010
Zinc	112.	mg/kg	0.116	06/21/05	BAB	SW-846 6010
Mercury, Total	0.78	mg/kg	0.105	06/22/05	BAB	SW-846 7471

Note:

Reviewed By: Scott J. Brumley

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-30

Client Sample No.: S30

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 44 of 107

Attn: John Kerstetter

Project:

Account: GTS001

Description: S30

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	89.4	%	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.8	06/21/05	BAB	SW-846 6010
Arsenic	5.6	mg/kg	1.12	06/21/05	BAB	SW-846 6010
Beryllium	0.88	mg/kg	0.05596	06/21/05	BAB	SW-846 6010
Cadmium	2.0	mg/kg	0.112	06/21/05	BAB	SW-846 6010
Chromium	15.6	mg/kg	0.56	06/21/05	BAB	SW-846 6010
Copper	24.1	mg/kg	0.448	06/21/05	BAB	SW-846 6010
Lead	67.8	mg/kg	2.798	06/21/05	BAB	SW-846 6010
Nickel	11.0	mg/kg	0.56	06/21/05	BAB	SW-846 6010
Selenium	ND	mg/kg	2.8	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.448	06/21/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.8	06/21/05	BAB	SW-846 6010
Zinc	108.	mg/kg	0.112	06/21/05	BAB	SW-846 6010
Mercury, Total	0.73	mg/kg	0.112	06/22/05	BAB	SW-846 7471

Note:

Reviewed By: Scott A. Bunn

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-31

Client Sample No.: S31

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter

Project:

Account: GTS001

Description: S31

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 45 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	77.9	%	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	3.21	06/21/05	BAB	SW-846 6010
Arsenic	22.9	mg/kg	1.28	06/21/05	BAB	SW-846 6010
Beryllium	4.9	mg/kg	0.06422	06/21/05	BAB	SW-846 6010
Cadmium	5.5	mg/kg	0.128	06/21/05	BAB	SW-846 6010
Chromium	35.6	mg/kg	0.642	06/21/05	BAB	SW-846 6010
Copper	54.6	mg/kg	0.514	06/21/05	BAB	SW-846 6010
Lead	147.	mg/kg	3.211	06/21/05	BAB	SW-846 6010
Nickel	44.3	mg/kg	0.642	06/21/05	BAB	SW-846 6010
Selenium	ND	mg/kg	3.21	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.514	06/21/05	BAB	SW-846 6010
Thallium	ND	mg/kg	3.21	06/21/05	BAB	SW-846 6010
Zinc	349.	mg/kg	0.128	06/21/05	BAB	SW-846 6010
Mercury, Total	2.3	mg/kg	0.112	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	214	06/21/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	214	06/21/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	214	06/21/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	214	06/21/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	214	06/21/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	214	06/21/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	214	06/21/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	214	06/21/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	86	06/21/05	MSM	SW846-8270C

978 Loucks Mill Road • York, Pennsylvania 17402-1999

Tel: 717.505.5280 • Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-31

Client Sample No.: S31

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 46 of 107

Attn: John Kerstetter
Project:
Account: GTS001
Description: S31

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	214	06/21/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Benzo(a)anthracene	184.	ug/kg	86	06/21/05	MSM	SW846-8270C
Benzo(a)pyrene	154.	ug/kg	86	06/21/05	MSM	SW846-8270C
Benzo(b)fluoranthene	174.	ug/kg	86	06/21/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	98.0	ug/kg	86	06/21/05	MSM	SW846-8270C
Benzo(k)fluoranthene	176.	ug/kg	86	06/21/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Chrysene	267.	ug/kg	86	06/21/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Fluoranthene	450.	ug/kg	86	06/21/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	103.	ug/kg	86	06/21/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	214	06/21/05	MSM	SW846-8270C
Phenanthrene	333.	ug/kg	86	06/21/05	MSM	SW846-8270C
Phenol	ND	ug/kg	214	06/21/05	MSM	SW846-8270C
Pyrene	370.	ug/kg	86	06/21/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	128	06/21/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	86	06/21/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	86	06/21/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-31
Client Sample No.: S31
Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05
Page: 47 of 107

Attn: John Kerstetter

Project:
Account: GTS001
Description: S31

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
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Note:

8270 recoveries for LCS & MS/MSD were low, sample may be biased low.

Reviewed By: Scott Brumley

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-32

Client Sample No.: S32

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter

Project:

Account: GTS001

Description: S32

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 1

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	94.1	%	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.66	06/21/05	BAB	SW-846 6010
Arsenic	6.4	mg/kg	1.06	06/21/05	BAB	SW-846 6010
Beryllium	0.54	mg/kg	0.05313	06/21/05	BAB	SW-846 6010
Cadmium	1.4	mg/kg	0.106	06/21/05	BAB	SW-846 6010
Chromium	9.9	mg/kg	0.531	06/21/05	BAB	SW-846 6010
Copper	19.3	mg/kg	0.425	06/21/05	BAB	SW-846 6010
Lead	65.2	mg/kg	2.657	06/21/05	BAB	SW-846 6010
Nickel	13.1	mg/kg	0.531	06/21/05	BAB	SW-846 6010
Selenium	ND	mg/kg	2.66	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.425	06/21/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.66	06/21/05	BAB	SW-846 6010
Zinc	101.	mg/kg	0.106	06/21/05	BAB	SW-846 6010
Mercury, Total	0.77	mg/kg	0.101	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	175	06/24/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	175	06/24/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	175	06/24/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	175	06/24/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	175	06/24/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	175	06/24/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	175	06/24/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	175	06/24/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-32

Client Sample No.: S32

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 2

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	175	06/24/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Benzo(a)anthracene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Benzo(a)pyrene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Benzo(b)fluoranthene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Benzo(k)fluoranthene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Chrysene	92.2	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Fluoranthene	133.	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	175	06/24/05	MSM	SW846-8270C
Phenanthrene	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
Phenol	ND	ug/kg	175	06/24/05	MSM	SW846-8270C
Pyrene	114.	ug/kg	70.1	06/24/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	105	06/24/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	70.1	06/24/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	425.	ug/kg	70.1	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-32

Client Sample No.: S32

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

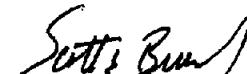
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05

Page: 3

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
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Note:
8270 - One ISTD recovered low.

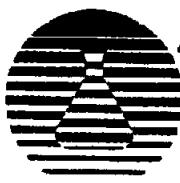
Reviewed By:



cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-33

Client Sample No.: S33

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:

Account: GTS001

Description: S33

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 1

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	87.4	#	1	06/13/05	AMR	SM 2540 G.
Antimony	3.2	mg/kg	2.86	06/21/05	BAB	SW-846 6010
Arsenic	20.7	mg/kg	1.14	06/21/05	BAB	SW-846 6010
Beryllium	1.3	mg/kg	0.05721	06/21/05	BAB	SW-846 6010
Cadmium	3.1	mg/kg	0.114	06/21/05	BAB	SW-846 6010
Chromium	29.9	mg/kg	0.572	06/21/05	BAB	SW-846 6010
Copper	41.2	mg/kg	0.458	06/21/05	BAB	SW-846 6010
Lead	126.	mg/kg	2.86	06/21/05	BAB	SW-846 6010
Nickel	38.7	mg/kg	0.572	06/21/05	BAB	SW-846 6010
Selenium	10.4	mg/kg	2.86	06/21/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.458	06/21/05	BAB	SW-846 6010
Thallium	3.0	mg/kg	2.86	06/21/05	BAB	SW-846 6010
Zinc	204.	mg/kg	0.114	06/21/05	BAB	SW-846 6010
Mercury, Total	1.1	mg/kg	0.104	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	189	06/24/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	189	06/24/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	189	06/24/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	189	06/24/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	189	06/24/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	189	06/24/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	189	06/24/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-33

Client Sample No.: S33

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 2

Attn: John Kerstetter
Project:
Account: GTS001
Description: S33

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	189	06/24/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Anthracene	86.1	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Benzo(a)anthracene	435.	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Benzo(a)pyrene	333.	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Benzo(b)fluoranthene	405.	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	353.	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Benzo(k)fluoranthene	340.	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Benzyl Alcohol	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Chrysene	702.	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Fluoranthene	989.	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	339.	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	189	06/24/05	MSM	SW846-8270C
Phenanthrene	353.	ug/kg	75.5	06/24/05	MSM	SW846-8270C
Phenol	ND	ug/kg	189	06/24/05	MSM	SW846-8270C
Pyrene	882.	ug/kg	75.5	06/24/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	113	06/24/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-33

Client Sample No.: S33

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S33

Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05
Page: 3

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
bis(2-Ethylhexyl)phthalate	ND	ug/kg	75.5	06/24/05	MSM	SW846-8270C

Note:
8270 - One ISTD recovered low.

Reviewed By:



cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-34

Client Sample No.: 534

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 54 of 107

Attn: John Kerstetter
Project:
Account: GTS001
Description: S34

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	90.6	%	1	06/13/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.76	06/22/05	BAB	SW-846 6010
Arsenic	31.5	mg/kg	1.1	06/22/05	BAB	SW-846 6010
Beryllium	0.88	mg/kg	0.05516	06/22/05	BAB	SW-846 6010
Cadmium	2.1	mg/kg	0.11	06/22/05	BAB	SW-846 6010
Chromium	33.5	mg/kg	0.552	06/22/05	BAB	SW-846 6010
Copper	23.9	mg/kg	0.441	06/22/05	BAB	SW-846 6010
Lead	51.8	mg/kg	2.758	06/22/05	BAB	SW-846 6010
Nickel	20.0	mg/kg	0.552	06/22/05	BAB	SW-846 6010
Selenium	8.3	mg/kg	2.76	06/22/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.441	06/22/05	BAB	SW-846 6010
Thallium	3.6	mg/kg	2.76	06/22/05	BAB	SW-846 6010
Zinc	62.5	mg/kg	0.11	06/22/05	BAB	SW-846 6010
Mercury, Total	1.2	mg/kg	0.11	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	184	06/21/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	184	06/21/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	184	06/21/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	184	06/21/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	184	06/21/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	184	06/21/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	184	06/21/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	184	06/21/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	74	06/21/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-34

Client Sample No.: S34

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 55 of 107

Attn: John Kerstetter
Project:
Account: GTS001
Description: S34

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	184	06/21/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Benzo(a)anthracene	91.0	ug/kg	74	06/21/05	MSM	SW846-8270C
Benzo(a)pyrene	76.0	ug/kg	74	06/21/05	MSM	SW846-8270C
Benzo(b)fluoranthene	100.	ug/kg	74	06/21/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Benzo(k)fluoranthene	92.0	ug/kg	74	06/21/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Chrysene	140.	ug/kg	74	06/21/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Fluoranthene	176.	ug/kg	74	06/21/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	184	06/21/05	MSM	SW846-8270C
Phenanthrene	90.0	ug/kg	74	06/21/05	MSM	SW846-8270C
Phenol	ND	ug/kg	184	06/21/05	MSM	SW846-8270C
Pyrene	147.	ug/kg	74	06/21/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	110	06/21/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	74	06/21/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	74	06/21/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: 172416-34

Client Sample No.: S34

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05

Page: 56 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
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Note:

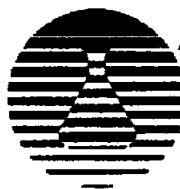
8270 recoveries for LCS & MS/MSD were low, sample may be biased low.

Reviewed By: Seth Brant

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

Lab Sample Number: L72416-35

411 Friendship Rd.

Client Sample No.: S35

Harrisburg, PA 17111

Sampled By: CLIENT 06/08/05 08:50

Attn: John Kerstetter
Project:
Account: GTS001
Description: S35

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 57 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, *	93.5	t	1	06/14/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.67	06/22/05	BAB	SW-846 6010
Arsenic	9.7	mg/kg	1.07	06/22/05	BAB	SW-846 6010
Beryllium	0.58	mg/kg	0.05346	06/22/05	BAB	SW-846 6010
Cadmium	2.3	mg/kg	0.107	06/22/05	BAB	SW-846 6010
Chromium	8.9	mg/kg	0.535	06/22/05	BAB	SW-846 6010
Copper	18.5	mg/kg	0.428	06/22/05	BAB	SW-846 6010
Lead	61.3	mg/kg	2.673	06/22/05	BAB	SW-846 6010
Nickel	8.9	mg/kg	0.535	06/22/05	BAB	SW-846 6010
Selenium	ND	mg/kg	2.67	06/22/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.428	06/22/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.67	06/22/05	BAB	SW-846 6010
Zinc	71.1	mg/kg	0.107	06/22/05	BAB	SW-846 6010
Mercury, Total	0.19	mg/kg	0.0973	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	178	06/21/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	178	06/21/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	178	06/21/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	178	06/21/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	178	06/21/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	178	06/21/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	178	06/21/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	178	06/21/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	71	06/21/05	MSM	SW846-8270C

978 Loucks Mill Road • York, Pennsylvania 17402-1999

Tel: 717.505.5280 • Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-35

Client Sample No.: S35

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S35

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 58 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	178	06/21/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Benzo(a)anthracene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Benzo(a)pyrene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Benzo(b)fluoranthene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Benzo(k)fluoranthene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Chrysene	103.	ug/kg	71	06/21/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Fluoranthene	111.	ug/kg	71	06/21/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	178	06/21/05	MSM	SW846-8270C
Phenanthrene	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
Phenol	ND	ug/kg	178	06/21/05	MSM	SW846-8270C
Pyrene	123.	ug/kg	71	06/21/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	107	06/21/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	71	06/21/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	71	06/21/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-35

Client Sample No.: S35

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 59 of 107

Attn: John Kerstetter

Project:
Account: GTS001
Description: S35

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
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Note:

8270 - One ISTD recovered low.
8270 recoveries for LCS & MS/MSD were low, sample may be biased low. One ISTD recovered low.

Reviewed By: Scott Brumley

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

Lab Sample Number: L72416-36

411 Friendship Rd.

Client Sample No.: S36

Harrisburg, PA 17111

Sampled By: CLIENT 06/08/05 08:50

Attn: John Kerstetter
Project:
Account: GTS001
Description: S36

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 60 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	94.6	%	1	06/14/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.54	06/22/05	BAB	SW-846 6010
Arsenic	13.2	mg/kg	1.06	06/22/05	BAB	SW-846 6010
Beryllium	0.79	mg/kg	0.05284	06/22/05	BAB	SW-846 6010
Cadmium	2.0	mg/kg	0.106	06/22/05	BAB	SW-846 6010
Chromium	12.4	mg/kg	0.528	06/22/05	BAB	SW-846 6010
Copper	29.3	mg/kg	0.423	06/22/05	BAB	SW-846 6010
Lead	89.0	mg/kg	2.642	06/22/05	BAB	SW-846 6010
Nickel	14.9	mg/kg	0.528	06/22/05	BAB	SW-846 6010
Selenium	6.1	mg/kg	2.64	06/22/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.423	06/22/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.64	06/22/05	BAB	SW-846 6010
Zinc	116.	mg/kg	0.106	06/22/05	BAB	SW-846 6010
Mercury, Total	1.2	mg/kg	100	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	176	06/21/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	176	06/21/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	176	06/21/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	176	06/21/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	176	06/21/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	176	06/21/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	176	06/21/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	176	06/21/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	176	06/21/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	70	06/21/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

Lab Sample Number: L72416-36

411 Friendship Rd.

Client Sample No.: S36

Harrisburg, PA 17111

Sampled By: CLIENT 06/08/05 08:50

Attn: John Kerstetter
Project:
Account: GTS001
Description: S36

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 61 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	176	06/21/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Benzo(a)anthracene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Benzo(a)pyrene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Benzo(b)fluoranthene	73.0	ug/kg	70	06/21/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Benzo(k)fluoranthene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Chrysene	114.	ug/kg	70	06/21/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Fluoranthene	146.	ug/kg	70	06/21/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Iscophorone	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	176	06/21/05	MSM	SW846-8270C
Phenanthrene	96.0	ug/kg	70	06/21/05	MSM	SW846-8270C
Phenol	ND	ug/kg	176	06/21/05	MSM	SW846-8270C
Pyrene	131.	ug/kg	70	06/21/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	106	06/21/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	70	06/21/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	70	06/21/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-36
Client Sample No.: S36
Sampled By: CLIENT 06/08/05 08:50

Attn: John Kerstetter
Project:
Account: GTS001
Description: S36

Date Received: CLIENT 06/09/05
Date Reported: 06/29/05
Matrix: Soil
Discard Date: 07/13/05
Page: 62 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
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Note:

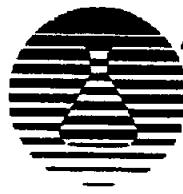
8270 recoveries for LCS & MS/MSD were low, sample may be biased low.

Reviewed By: Scott Brum

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

Lab Sample Number: L72416-37

411 Friendship Rd.

Client Sample No.: S37

Harrisburg, PA 17111

Sampled By: CLIENT 06/08/05 08:50

Attn: John Kerstetter
Project:
Account: GTS001
Description: S37

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 63 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	75.9	%	1	06/14/05	AMR	SM 2540 G.
Antimony	4.6	mg/kg	3.3	06/22/05	BAB	SW-846 6010
Arsenic	31.2	mg/kg	1.32	06/22/05	BAB	SW-846 6010
Beryllium	0.84	mg/kg	0.0659	06/22/05	BAB	SW-846 6010
Cadmium	1.9	mg/kg	0.132	06/22/05	BAB	SW-846 6010
Chromium	28.9	mg/kg	0.659	06/22/05	BAB	SW-846 6010
Copper	43.5	mg/kg	0.527	06/22/05	BAB	SW-846 6010
Lead	112.	mg/kg	3.295	06/22/05	BAB	SW-846 6010
Nickel	27.6	mg/kg	0.659	06/22/05	BAB	SW-846 6010
Selenium	ND	mg/kg	3.3	06/22/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.527	06/22/05	BAB	SW-846 6010
Thallium	ND	mg/kg	3.3	06/22/05	BAB	SW-846 6010
Zinc	97.4	mg/kg	0.132	06/22/05	BAB	SW-846 6010
Mercury, Total	0.79	mg/kg	0.101	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	184.	ug/kg	88	06/21/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	219	06/21/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	219	06/21/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	219	06/21/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	219	06/21/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	219	06/21/05	MSM	SW846-8270C
2-Methylnaphthalene	116.	ug/kg	88	06/21/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	219	06/21/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	219	06/21/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	219	06/21/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	88	06/21/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-37

Client Sample No.: S37

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 64 of 107

Attn: John Kerstetter
Project:
Account: GTS001
Description: S37

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	219	06/21/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Benzo(a)anthracene	490.	ug/kg	88	06/21/05	MSM	SW846-8270C
Benzo(a)pyrene	348.	ug/kg	88	06/21/05	MSM	SW846-8270C
Benzo(b)fluoranthene	500.	ug/kg	88	06/21/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	342.	ug/kg	88	06/21/05	MSM	SW846-8270C
Benzo(k)fluoranthene	424.	ug/kg	88	06/21/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Chrysene	1020	ug/kg	88	06/21/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Fluoranthene	1280	ug/kg	88	06/21/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	347.	ug/kg	88	06/21/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	219	06/21/05	MSM	SW846-8270C
Phenanthrene	632.	ug/kg	88	06/21/05	MSM	SW846-8270C
Phenol	ND	ug/kg	219	06/21/05	MSM	SW846-8270C
Pyrene	1120	ug/kg	88	06/21/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	132	06/21/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	88	06/21/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	88	06/21/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-37

Client Sample No.: S37

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 65 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
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Note:

8270 - recoveries for LCS & MS/MSD were low, sample may be biased low. One ISTD recovered low.

Reviewed By: Scotti Brumley

CC:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-38

Client Sample No.: S38

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter

Project:

Account: GTS001

Description: S38

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 66 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	81.9	%	1	06/14/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	3.05	06/22/05	BAB	SW-846 6010
Arsenic	5.2	mg/kg	1.22	06/22/05	BAB	SW-846 6010
Beryllium	1.2	mg/kg	0.06106	06/22/05	BAB	SW-846 6010
Cadmium	3.1	mg/kg	0.122	06/22/05	BAB	SW-846 6010
Chromium	19.4	mg/kg	0.611	06/22/05	BAB	SW-846 6010
Copper	44.4	mg/kg	0.489	06/22/05	BAB	SW-846 6010
Lead	97.5	mg/kg	3.053	06/22/05	BAB	SW-846 6010
Nickel	25.3	mg/kg	0.611	06/22/05	BAB	SW-846 6010
Selenium	11.3	mg/kg	3.05	06/22/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.489	06/22/05	BAB	SW-846 6010
Thallium	ND	mg/kg	3.05	06/22/05	BAB	SW-846 6010
Zinc	135.	mg/kg	0.122	06/22/05	BAB	SW-846 6010
Mercury, Total	1.3	mg/kg	0.0611	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	203	06/21/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	203	06/21/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	203	06/21/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	203	06/21/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	203	06/21/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	203	06/21/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	203	06/21/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	203	06/21/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	81	06/21/05	MSM	SW846-8270C

978 Loucks Mill Road • York, Pennsylvania 17402-1999

Tel: 717.505.5280 • Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-38

Client Sample No.: S38

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 67 of 107

Attn: John Kerstetter
Project:
Account: GTS001
Description: S38

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	203	06/21/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Benzo(a)anthracene	232.	ug/kg	81	06/21/05	MSM	SW846-8270C
Benzo(a)pyrene	161.	ug/kg	81	06/21/05	MSM	SW846-8270C
Benzo(b)fluoranthene	185.	ug/kg	81	06/21/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	143.	ug/kg	81	06/21/05	MSM	SW846-8270C
Benzo(k)fluoranthene	189.	ug/kg	81	06/21/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Chrysene	436.	ug/kg	81	06/21/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Fluoranthene	645.	ug/kg	81	06/21/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	144.	ug/kg	81	06/21/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	203	06/21/05	MSM	SW846-8270C
Phenanthrene	338.	ug/kg	81	06/21/05	MSM	SW846-8270C
Phenol	ND	ug/kg	203	06/21/05	MSM	SW846-8270C
Pyrene	581.	ug/kg	81	06/21/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	122	06/21/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	81	06/21/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	306.	ug/kg	81	06/21/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-38

Client Sample No.: S38

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 68 of 107

Attn: John Kerstetter
Project:
Account: GTS001
Description: S38

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
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Note:

8270 - One ISTD recovered low.

8270 recoveries for LCS & MS/MSD were low, sample may be biased low. One ISTD recovered low.

Reviewed By: Scott, Brian

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

Lab Sample Number: L72416-39

411 Friendship Rd.

Client Sample No.: S39

Harrisburg, PA 17111

Sampled By: CLIENT 06/08/05 08:50

Attn: John Kerstetter

Date Received: CLIENT 06/09/05

Project:

Date Reported: 06/29/05

Account: GTS001

Matrix: Soil

Description: S39

Discard Date: 07/13/05

Page: 69 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	87.9	%	1	06/14/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.84	06/22/05	BAB	SW-846 6010
Arsenic	10.8	mg/kg	1.14	06/22/05	BAB	SW-846 6010
Beryllium	1.4	mg/kg	0.05686	06/22/05	BAB	SW-846 6010
Cadmium	3.2	mg/kg	0.114	06/22/05	BAB	SW-846 6010
Chromium	39.2	mg/kg	0.569	06/22/05	BAB	SW-846 6010
Copper	41.2	mg/kg	0.455	06/22/05	BAB	SW-846 6010
Lead	127.	mg/kg	2.843	06/22/05	BAB	SW-846 6010
Nickel	50.1	mg/kg	0.569	06/22/05	BAB	SW-846 6010
Selenium	ND	mg/kg	2.84	06/22/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.455	06/22/05	BAB	SW-846 6010
Thallium	3.3	mg/kg	2.84	06/22/05	BAB	SW-846 6010
Zinc	142.	mg/kg	0.114	06/22/05	BAB	SW-846 6010
Mercury, Total	1.4	mg/kg	0.0944	06/22/05	BAB	SW-846 7471

Note:

Reviewed By: Scott, Bear

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-40

Client Sample No.: S40

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter

Project:

Account: GTS001

Description: S40

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 1

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	89.2	%	1	06/14/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.8	06/22/05	BAB	SW-846 6010
Arsenic	15.2	mg/kg	1.12	06/22/05	BAB	SW-846 6010
Beryllium	1.2	mg/kg	0.05603	06/22/05	BAB	SW-846 6010
Cadmium	2.8	mg/kg	0.112	06/22/05	BAB	SW-846 6010
Chromium	31.9	mg/kg	0.56	06/22/05	BAB	SW-846 6010
Copper	37.3	mg/kg	0.448	06/22/05	BAB	SW-846 6010
Lead	98.1	mg/kg	2.802	06/22/05	BAB	SW-846 6010
Nickel	45.5	mg/kg	0.56	06/22/05	BAB	SW-846 6010
Selenium	10.4	mg/kg	2.8	06/22/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.448	06/22/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.8	06/22/05	BAB	SW-846 6010
Zinc	121.	mg/kg	0.112	06/22/05	BAB	SW-846 6010
Mercury, Total	0.89	mg/kg	0.106	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	74	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-40

Client Sample No.: S40

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 2

Attn: John Kerstetter
Project:
Account: GTS001
Description: S40

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Benzo (a)anthracene	175.	ug/kg	74	06/24/05	MSM	SW846-8270C
Benzo (a)pyrene	146.	ug/kg	74	06/24/05	MSM	SW846-8270C
Benzo (b)fluoranthene	172.	ug/kg	74	06/24/05	MSM	SW846-8270C
Benzo (g,h,i)perylene	169.	ug/kg	74	06/24/05	MSM	SW846-8270C
Benzo (k)fluoranthene	165.	ug/kg	74	06/24/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Chrysene	371.	ug/kg	74	06/24/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Dibenz (a,h)anthracene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Fluoranthene	455.	ug/kg	74	06/24/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	164.	ug/kg	74	06/24/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
Phenanthrene	273.	ug/kg	74	06/24/05	MSM	SW846-8270C
Phenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
Pyrene	438.	ug/kg	74	06/24/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	111	06/24/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	74	06/24/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	1690	ug/kg	74	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-40

Client Sample No.: S40

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 3

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
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Note:

8270 - One ISTD recovered low.

Reviewed By: Scott Brun

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: 172416-41

Client Sample No.: S41

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter

Project:

Account: GTS001

Description: S41

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 1

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	89.1	#	1	06/14/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.81	06/22/05	BAB	SW-846 6010
Arsenic	10.7	mg/kg	1.12	06/22/05	BAB	SW-846 6010
Beryllium	1.4	mg/kg	0.0561	06/22/05	BAB	SW-846 6010
Cadmium	3.1	mg/kg	0.112	06/22/05	BAB	SW-846 6010
Chromium	29.8	mg/kg	0.561	06/22/05	BAB	SW-846 6010
Copper	40.4	mg/kg	0.449	06/22/05	BAB	SW-846 6010
Lead	65.9	mg/kg	2.805	06/22/05	BAB	SW-846 6010
Nickel	26.5	mg/kg	0.561	06/22/05	BAB	SW-846 6010
Selenium	9.3	mg/kg	2.81	06/22/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.449	06/22/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.81	06/22/05	BAB	SW-846 6010
Zinc	75.9	mg/kg	0.112	06/22/05	BAB	SW-846 6010
Mercury, Total	1.2	mg/kg	0.107	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-41

Client Sample No.: S41

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 2

Attn: John Kerstetter
Project:
Account: GTS001
Description: S41

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Benzo(a)anthracene	262.	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Benzo(a)pyrene	258.	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Benzo(b)fluoranthene	272.	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	165.	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Benzo(k)fluoranthene	242.	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Chrysene	354.	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Fluoranthene	443.	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Hexachlorocyclohexadiene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	154.	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Phenanthrene	226.	ug/kg	185	06/24/05	MSM	SW846-8270C
Phenol	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
Pyrene	518.	ug/kg	185	06/24/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	111	06/24/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	74.1	06/24/05	MSM	SW846-8270C
		ug/kg	74.1	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-41

Client Sample No.: S41

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 3

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
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Note:

Reviewed By: Scott Burn

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-42

Client Sample No.: S42

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 76 of 107

Attn: John Kerstetter

Project:

Account: GTS001

Description: S42

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, t	91.4	%	1	06/14/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.74	06/22/05	BAB	SW-846 6010
Arsenic	7.2	mg/kg	1.09	06/22/05	BAB	SW-846 6010
Beryllium	1.5	mg/kg	0.05473	06/22/05	BAB	SW-846 6010
Cadmium	3.4	mg/kg	0.109	06/22/05	BAB	SW-846 6010
Chromium	177.	mg/kg	0.547	06/22/05	BAB	SW-846 6010
Copper	41.9	mg/kg	0.438	06/22/05	BAB	SW-846 6010
Lead	86.4	mg/kg	2.736	06/22/05	BAB	SW-846 6010
Nickel	19.7	mg/kg	0.547	06/22/05	BAB	SW-846 6010
Selenium	ND	mg/kg	2.74	06/22/05	BAB	SW-846 6010
Silver	5.5	mg/kg	0.438	06/22/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.74	06/22/05	BAB	SW-846 6010
Zinc	94.3	mg/kg	0.109	06/22/05	BAB	SW-846 6010
Mercury, Total	0.76	mg/kg	0.109	06/22/05	BAB	SW-846 7471

Note:

Reviewed By: Scott Brum

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-43

Client Sample No.: S43

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 1

Attn: John Kerstetter
Project:
Account: GTS001
Description: S43

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	86.8	%	1	06/14/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.88	06/22/05	BAB	SW-846 6010
Arsenic	6.5	mg/kg	1.15	06/22/05	BAB	SW-846 6010
Beryllium	1.1	mg/kg	0.05761	06/22/05	BAB	SW-846 6010
Cadmium	2.7	mg/kg	0.115	06/22/05	BAB	SW-846 6010
Chromium	22.2	mg/kg	0.576	06/22/05	BAB	SW-846 6010
Copper	59.9	mg/kg	0.461	06/22/05	BAB	SW-846 6010
Lead	217.	mg/kg	2.881	06/22/05	BAB	SW-846 6010
Nickel	19.1	mg/kg	0.576	06/22/05	BAB	SW-846 6010
Selenium	9.1	mg/kg	2.88	06/22/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.461	06/22/05	BAB	SW-846 6010
Thallium	3.1	mg/kg	2.88	06/22/05	BAB	SW-846 6010
Zinc	151.	mg/kg	0.115	06/22/05	BAB	SW-846 6010
Mercury, Total	2.5	mg/kg	0.115	06/22/05	BAB	SW-846 6010
1,2,4-Trichlorobenzene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
1,3-dichlorobenzene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	190	06/24/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	190	06/24/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	190	06/24/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	190	06/24/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	190	06/24/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	190	06/24/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	190	06/24/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	190	06/24/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	76	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-43

Client Sample No.: S43

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 2

Attn: John Kerstetter
Project:
Account: GTS001
Description: S43

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	190	06/24/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Anthracene	106.	ug/kg	76	06/24/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Benzo (a)anthracene	441.	ug/kg	76	06/24/05	MSM	SW846-8270C
Benzo (a)pyrene	307.	ug/kg	76	06/24/05	MSM	SW846-8270C
Benzo (b)fluoranthene	337.	ug/kg	76	06/24/05	MSM	SW846-8270C
Benzo (g,h,i)perylene	246.	ug/kg	76	06/24/05	MSM	SW846-8270C
Benzo (k)fluoranthene	264.	ug/kg	76	06/24/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Chrysene	758.	ug/kg	76	06/24/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Dibenz (a,h)anthracene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Fluoranthene	1210	ug/kg	76	06/24/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	214.	ug/kg	76	06/24/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	190	06/24/05	MSM	SW846-8270C
Phenanthrene	1140	ug/kg	76	06/24/05	MSM	SW846-8270C
Phenol	ND	ug/kg	190	06/24/05	MSM	SW846-8270C
Pyrene	1250	ug/kg	76	06/24/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	114	06/24/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	76	06/24/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	76	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-43

Client Sample No.: S43

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 3

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
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Note:

8270 - One ISTD recovered low.

Reviewed By: Scott Brum

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-44

Client Sample No.: S44

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S44

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 80 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	89.3	%	1	06/14/05	AMR	SM 2540 G.
Antimony	ND	mg/kg	2.8	06/22/05	BAB	SW-846 6010
Arsenic	6.4	mg/kg	1.12	06/22/05	BAB	SW-846 6010
Beryllium	1.0	mg/kg	0.05602	06/22/05	BAB	SW-846 6010
Cadmium	2.1	mg/kg	0.112	06/22/05	BAB	SW-846 6010
Chromium	21.5	mg/kg	0.56	06/22/05	BAB	SW-846 6010
Copper	47.4	mg/kg	0.448	06/22/05	BAB	SW-846 6010
Lead	73.7	mg/kg	2.801	06/22/05	BAB	SW-846 6010
Nickel	17.9	mg/kg	0.56	06/22/05	BAB	SW-846 6010
Selenium	ND	mg/kg	2.8	06/22/05	BAB	SW-846 6010
Silver	ND	mg/kg	0.448	06/22/05	BAB	SW-846 6010
Thallium	ND	mg/kg	2.8	06/22/05	BAB	SW-846 6010
Zinc	60.8	mg/kg	0.112	06/22/05	BAB	SW-846 6010
Mercury, Total	0.86	mg/kg	0.0975	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	187	06/27/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	187	06/27/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	187	06/27/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	187	06/27/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	187	06/27/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	187	06/27/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	187	06/27/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	187	06/27/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-44

Client Sample No.: S44

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S44

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 81 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	187	06/27/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Anthracene	293.	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Benzo(a)anthracene	723.	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Benzo(a)pyrene	557.	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Benzo(b)fluoranthene	455.	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	520.	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Benzo(k)fluoranthene	432.	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Chrysene	1470	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Fluoranthene	1270	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	457.	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	187	06/27/05	MSM	SW846-8270C
Phenanthrene	887.	ug/kg	74.6	06/27/05	MSM	SW846-8270C
Phenol	ND	ug/kg	187	06/27/05	MSM	SW846-8270C
Pyrene	1920	ug/kg	74.6	06/27/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	112	06/27/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	74.6	06/27/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-44

Client Sample No.: S44

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 82 of 107

Attn: John Kerstetter

Project:
Account: GTS001
Description: S44

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
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Note:

8270 - 2,4-Dichlorophenol biased low, SPCCs and other CCCs were ok. One ISTD recovered low.

Reviewed By: Scott Brav

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-45

Client Sample No.: S45

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter

Project:

Account: GTS001

Description: S45

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 1

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	89.0	%	1	06/14/05	AMR	SM 2540 G.
Antimony, Total	ND	mg/kg	2.81	06/22/05	BAB	SW-846 6010
Arsenic, Total	7.3	mg/kg	1.1	06/22/05	BAB	SW-846 6010
Beryllium, Total	1.2	mg/kg	0.0562	06/22/05	BAB	SW-846 6010
Cadmium, Total	2.7	mg/kg	0.112	06/22/05	BAB	SW-846 6010
Chromium, Total	23.7	mg/kg	0.562	06/22/05	BAB	SW-846 6010
Copper, Total	23.9	mg/kg	0.225	06/22/05	BAB	SW-846 6010
Lead, Total	47.6	mg/kg	2.81	06/22/05	BAB	SW-846 6010
Nickel, Total	16.1	mg/kg	0.562	06/22/05	BAB	SW-846 6010
Selenium, Total	8.0	mg/kg	2.81	06/22/05	BAB	SW-846 6010
Silver, Total	1.6	mg/kg	0.45	06/22/05	BAB	SW-846 6010
Thallium, Total	ND	mg/kg	2.81	06/22/05	BAB	SW-846 6010
Zinc, Total	50.9	mg/kg	0.225	06/22/05	BAB	SW-846 6010
Mercury, Total	0.50	mg/kg	0.102	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
2-Methylnaphthalene	370.	ug/kg	74.2	06/24/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-45

Client Sample No.: S45

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 2

Attn: John Kerstetter
Project:
Account: GTS001
Description: S45

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
Acenaphthene	723.	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Anthracene	1180	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Benzo (a) anthracene	1550	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Benzo (a) pyrene	999.	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Benzo (b) fluoranthene	708.	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Benzo (g, h, i) perylene	710.	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Benzo (k) fluoranthene	793.	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Chrysene	2900	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Dibenz (a,h)anthracene	85.0	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Dibenzofuran	91.6	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Fluoranthene	2530	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Fluorene	788.	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	634.	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Naphthalene	98.3	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
Phenanthrene	3380	ug/kg	74.2	06/24/05	MSM	SW846-8270C
Phenol	ND	ug/kg	185	06/24/05	MSM	SW846-8270C
Pyrene	3790	ug/kg	74.2	06/24/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	111	06/24/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	74.2	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-45

Client Sample No.: S45

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S45

Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05
Page: 3

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
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Note:

8270 - One ISTD recovered low.

Reviewed By: Scott J. Bum

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-46

Client Sample No.: S46

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 1

Attn: John Kerstetter
Project:
Account: GTS001
Description: S46

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	88.8	%	1	06/14/05	AMR	SM 2540 G.
Antimony, Total	ND	mg/kg	2.82	06/22/05	BAB	SW-846 6010
Arsenic, Total	7.2	mg/kg	1.1	06/22/05	BAB	SW-846 6010
Beryllium, Total	1.3	mg/kg	0.0563	06/22/05	BAB	SW-846 6010
Cadmium, Total	2.7	mg/kg	0.113	06/22/05	BAB	SW-846 6010
Chromium, Total	30.1	mg/kg	0.563	06/22/05	BAB	SW-846 6010
Copper, Total	28.9	mg/kg	0.225	06/22/05	BAB	SW-846 6010
Lead, Total	49.0	mg/kg	2.82	06/22/05	BAB	SW-846 6010
Nickel, Total	19.0	mg/kg	0.563	06/22/05	BAB	SW-846 6010
Selenium, Total	ND	mg/kg	2.82	06/22/05	BAB	SW-846 6010
Silver, Total	ND	mg/kg	0.451	06/22/05	BAB	SW-846 6010
Thallium, Total	ND	mg/kg	2.82	06/22/05	BAB	SW-846 6010
Zinc, Total	61.3	mg/kg	0.225	06/22/05	BAB	SW-846 6010
Mercury, Total	0.45	mg/kg	0.107	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	186	06/24/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	186	06/24/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	186	06/24/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	186	06/24/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	186	06/24/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	186	06/24/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	186	06/24/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	186	06/24/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-46
Client Sample No.: S46
Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05
Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05
Page: 2

Attn: John Karstetter
Project:
Account: GTS001
Description: S46

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	186	06/24/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Acenaphthylene	290.	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Anthracene	304.	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Benzo(a)anthracene	1580	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Benzo(a)pyrene	820.	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Benzo(b)fluoranthene	1040	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	413.	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Benzo(k)fluoranthene	867.	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Chrysene	1840	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Fluoranthene	2560	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	461.	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	186	06/24/05	MSM	SW846-8270C
Phenanthrene	497.	ug/kg	74.4	06/24/05	MSM	SW846-8270C
Phenol	ND	ug/kg	186	06/24/05	MSM	SW846-8270C
Pyrene	2070	ug/kg	74.4	06/24/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	112	06/24/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	74.4	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-46

Client Sample No.: S46

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

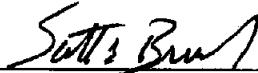
Attn: John Kerstetter
Project:
Account: GTS001
Description: S46

Date Reported: 06/10/05
Matrix: Soil
Discard Date: 07/13/05
Page: 3

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
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Note:

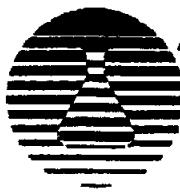
Reviewed By:



cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-47

Client Sample No.: S47

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S47

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 89 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	83.4	%	1	06/14/05	AMR	SM 2540 G.
Antimony, Total	ND	mg/kg	3	06/22/05	BAB	SW-846 6010
Arsenic, Total	12.0	mg/kg	1.2	06/22/05	BAB	SW-846 6010
Beryllium, Total	2.3	mg/kg	0.0599	06/22/05	BAB	SW-846 6010
Cadmium, Total	3.7	mg/kg	0.12	06/22/05	BAB	SW-846 6010
Chromium, Total	29.3	mg/kg	0.599	06/22/05	BAB	SW-846 6010
Copper, Total	43.1	mg/kg	0.24	06/22/05	BAB	SW-846 6010
Lead, Total	88.4	mg/kg	3	06/22/05	BAB	SW-846 6010
Nickel, Total	21.8	mg/kg	0.599	06/22/05	BAB	SW-846 6010
Selenium, Total	ND	mg/kg	3	06/22/05	BAB	SW-846 6010
Silver, Total	10.5	mg/kg	0.479	06/22/05	BAB	SW-846 6010
Thallium, Total	4.5	mg/kg	3	06/22/05	BAB	SW-846 6010
Zinc, Total	126.	mg/kg	0.24	06/22/05	BAB	SW-846 6010
Mercury, Total	0.66	mg/kg	0.0995	06/22/05	BAB	SW-846 7471

Note:

Reviewed By: Sutts, Brian

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

Lab Sample Number: L72416-48

411 Friendship Rd.

Client Sample No.: S48

Harrisburg, PA 17111

Sampled By: CLIENT 06/08/05 08:50

Attn: John Kerstetter
Project:
Account: GTS001
Description: S48

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 90 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	88.3	%	1	06/14/05	AMR	SM 2540 G.
Antimony, Total	ND	mg/kg	2.83	06/22/05	BAB	SW-846 6010
Arsenic, Total	15.0	mg/kg	1.1	06/22/05	BAB	SW-846 6010
Beryllium, Total	1.3	mg/kg	0.0567	06/22/05	BAB	SW-846 6010
Cadmium, Total	3.2	mg/kg	0.113	06/22/05	BAB	SW-846 6010
Chromium, Total	22.6	mg/kg	0.567	06/22/05	BAB	SW-846 6010
Copper, Total	52.3	mg/kg	0.227	06/22/05	BAB	SW-846 6010
Lead, Total	61.4	mg/kg	2.83	06/22/05	BAB	SW-846 6010
Nickel, Total	28.3	mg/kg	0.567	06/22/05	BAB	SW-846 6010
Selenium, Total	ND	mg/kg	2.83	06/22/05	BAB	SW-846 6010
Silver, Total	9.6	mg/kg	0.453	06/22/05	BAB	SW-846 6010
Thallium, Total	4.5	mg/kg	2.83	06/22/05	BAB	SW-846 6010
Zinc, Total	65.2	mg/kg	0.227	06/22/05	BAB	SW-846 6010
Mercury, Total	0.94	mg/kg	0.113	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	189	06/27/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	189	06/27/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	189	06/27/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	189	06/27/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	189	06/27/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	189	06/27/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	189	06/27/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C

978 Loucks Mill Road • York, Pennsylvania 17402-1999

Tel: 717.505.5280 • Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-48

Client Sample No.: S48

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 91 of 107

Attn: John Kerstetter
Project:
Account: GTS001
Description: S48

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	189	06/27/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Anthracene	75.8	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Benzo(a)anthracene	183.	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Benzo(a)pyrene	160.	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Benzo(b)fluoranthene	181.	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Benzo(g,h,i)perylene	230.	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Benzo(k)fluoranthene	194.	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Chrysene	407.	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Fluoranthene	500.	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	193.	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	189	06/27/05	MSM	SW846-8270C
Phenanthrene	370.	ug/kg	75.5	06/27/05	MSM	SW846-8270C
Phenol	ND	ug/kg	189	06/27/05	MSM	SW846-8270C
Pyrene	454.	ug/kg	75.5	06/27/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	113	06/27/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	75.5	06/27/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-48

Client Sample No.: S48

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 92 of 107

Attn: John Kerstetter

Project:

Account: GTS001

Description: S48

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
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Note:

8270 - 2,4-Dichlorophenol biased low, SPCCs and other CCCs were ok. One ISTD recovered low.

Reviewed By: Scott Brumley

cc:

DL = Detection Limit

ND = Not Detected

NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ

U = Undetected

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-49

Client Sample No.: S49

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 93 of 107

Attn: John Kerstetter
Project:
Account: GTS001
Description: S49

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	87.2	%	1	06/14/05	AMR	SM 2540 G.
Antimony, Total	ND	mg/kg	2.87	06/22/05	BAB	SW-846 6010
Arsenic, Total	7.7	mg/kg	1.1	06/22/05	BAB	SW-846 6010
Beryllium, Total	1.1	mg/kg	0.0573	06/22/05	BAB	SW-846 6010
Cadmium, Total	2.4	mg/kg	0.115	06/22/05	BAB	SW-846 6010
Chromium, Total	18.2	mg/kg	0.573	06/22/05	BAB	SW-846 6010
Copper, Total	37.8	mg/kg	0.229	06/22/05	BAB	SW-846 6010
Lead, Total	89.0	mg/kg	2.87	06/22/05	BAB	SW-846 6010
Nickel, Total	15.8	mg/kg	0.573	06/22/05	BAB	SW-846 6010
Selenium, Total	ND	mg/kg	2.87	06/22/05	BAB	SW-846 6010
Silver, Total	ND	mg/kg	0.459	06/22/05	BAB	SW-846 6010
Thallium, Total	ND	mg/kg	2.87	06/22/05	BAB	SW-846 6010
Zinc, Total	91.5	mg/kg	0.229	06/22/05	BAB	SW-846 6010
Mercury, Total	0.36	mg/kg	0.0573	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	191	06/27/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	191	06/27/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	191	06/27/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	191	06/27/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	191	06/27/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	191	06/27/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	191	06/27/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	191	06/27/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C

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Tel: 717.505.5280 • Fax: 717.505.5285

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-49

Client Sample No.: S49

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 94 of 107

Attn: John Kerstetter
Project:
Account: GTS001
Description: S49

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	191	06/27/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Anthracene	147.	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Benzo (a)anthracene	533.	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Benzo (a)pyrene	538.	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Benzo (b)fluoranthene	456.	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Benzo (g,h,i)perylene	569.	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Benzo (k)fluoranthene	428.	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Benzyl Alcohol	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Chrysene	1210	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Fluoranthene	944.	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	498.	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	191	06/27/05	MSM	SW846-8270C
Phenanthrene	422.	ug/kg	76.4	06/27/05	MSM	SW846-8270C
Phenol	ND	ug/kg	191	06/27/05	MSM	SW846-8270C
Pyrene	1420	ug/kg	76.4	06/27/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	115	06/27/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-49

Client Sample No.: S49

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter
Project:
Account: GTS001
Description: S49

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 95 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
bis(2-Ethylhexyl)phthalate	ND	ug/kg	76.4	06/27/05	MSM	SW846-8270C

Note:

8270 - 2,4-Dichlorophenol biased low, SPCCs and other CCCs were ok. Two ISTDs recovered low.

Reviewed By: Seth A. Brum

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-50

Client Sample No.: S50

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 1

Attn: John Kerstetter
Project:
Account: GTS001
Description: S50

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	88.1	%	1	06/14/05	AMR	SM 2540 G.
Antimony, Total	ND	mg/kg	2.84	06/22/05	BAB	SW-846 6010
Arsenic, Total	12.0	mg/kg	1.1	06/22/05	BAB	SW-846 6010
Beryllium, Total	1.3	mg/kg	0.0567	06/22/05	BAB	SW-846 6010
Cadmium, Total	3.3	mg/kg	0.113	06/22/05	BAB	SW-846 6010
Chromium, Total	26.4	mg/kg	0.567	06/22/05	BAB	SW-846 6010
Copper, Total	35.0	mg/kg	0.227	06/22/05	BAB	SW-846 6010
Lead, Total	98.5	mg/kg	2.84	06/22/05	BAB	SW-846 6010
Nickel, Total	21.5	mg/kg	0.567	06/22/05	BAB	SW-846 6010
Selenium, Total	ND	mg/kg	2.84	06/22/05	BAB	SW-846 6010
Silver, Total	9.7	mg/kg	0.454	06/22/05	BAB	SW-846 6010
Thallium, Total	ND	mg/kg	2.84	06/22/05	BAB	SW-846 6010
Zinc, Total	88.9	mg/kg	0.227	06/22/05	BAB	SW-846 6010
Mercury, Total	0.91	mg/kg	0.113	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	187	06/24/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	187	06/24/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	187	06/24/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	187	06/24/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	187	06/24/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
2-Nitrophenoil	ND	ug/kg	187	06/24/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	187	06/24/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	187	06/24/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-50

Client Sample No.: S50

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 2

Attn: John Kerstetter
Project:
Account: GTS001
Description: S50

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	187	06/24/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Benzo (a) anthracene	143.	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Benzo (a) pyrene	128.	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Benzo (b) fluoranthene	169.	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Benzo (g, h, i)perylene	185.	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Benzo (k) fluoranthene	133.	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Chrysene	370.	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Dibenz (a,h)anthracene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Fluoranthene	500.	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Indeno(1, 2, 3-cd)pyrene	159.	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	187	06/24/05	MSM	SW846-8270C
Phenanthrene	384.	ug/kg	74.9	06/24/05	MSM	SW846-8270C
Phenol	ND	ug/kg	187	06/24/05	MSM	SW846-8270C
Pyrene	458.	ug/kg	74.9	06/24/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	112	06/24/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	74.9	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-50

Client Sample No.: S50

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter

Project:

Account: GTS001

Description: S50

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 3

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
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Note:

8270 - One ISTD recovered low.

Reviewed By: Satt's Brw

cc:

DL = Detection Limit

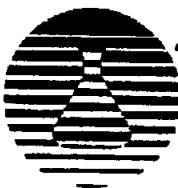
J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-51

Client Sample No.: S51

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter

Project:

Account: GTS001

Description: S51

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 1

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	89.7	%	1	06/14/05	AMR	SM 2540 G.
Antimony, Total	ND	mg/kg	2.79	06/22/05	BAB	SW-846 6010
Arsenic, Total	8.6	mg/kg	1.1	06/22/05	BAB	SW-846 6010
Beryllium, Total	1.4	mg/kg	0.0557	06/22/05	BAB	SW-846 6010
Cadmium, Total	3.0	mg/kg	0.111	06/22/05	BAB	SW-846 6010
Chromium, Total	26.9	mg/kg	0.557	06/22/05	BAB	SW-846 6010
Copper, Total	38.7	mg/kg	0.223	06/22/05	BAB	SW-846 6010
Lead, Total	66.1	mg/kg	2.79	06/22/05	BAB	SW-846 6010
Nickel, Total	20.9	mg/kg	0.557	06/22/05	BAB	SW-846 6010
Selenium, Total	ND	mg/kg	2.79	06/22/05	BAB	SW-846 6010
Silver, Total	ND	mg/kg	0.446	06/22/05	BAB	SW-846 6010
Thallium, Total	3.6	mg/kg	2.79	06/22/05	BAB	SW-846 6010
Zinc, Total	95.2	mg/kg	0.223	06/22/05	BAB	SW-846 6010
Mercury, Total	0.86	mg/kg	0.097	06/22/05	BAB	SW-846 7471
1,2,4-Trichlorobenzene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
1,2-Dichlorobenzene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
1,2-Diphenylhydrazine	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
1,3-Dichlorobenzene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
1,4-Dichlorobenzene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
2,4,5-Trichlorophenol	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
2,4,6-Trichlorophenol	ND	ug/kg	184	06/24/05	MSM	SW846-8270C
2,4-Dichlorophenol	ND	ug/kg	184	06/24/05	MSM	SW846-8270C
2,4-Dimethylphenol	ND	ug/kg	184	06/24/05	MSM	SW846-8270C
2,4-Dinitrophenol	ND	ug/kg	184	06/24/05	MSM	SW846-8270C
2,4-Dinitrotoluene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
2,6-Dinitrotoluene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
2-Chloronaphthalene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
2-Chlorophenol	ND	ug/kg	184	06/24/05	MSM	SW846-8270C
2-Methylnaphthalene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
2-Methylphenol	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
2-Nitroaniline	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
2-Nitrophenol	ND	ug/kg	184	06/24/05	MSM	SW846-8270C
3,3'-Dichlorobenzidine	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
3- & 4-Methylphenol	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
3-Nitroaniline	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
4,6-Dinitro-2-methylphenol	ND	ug/kg	184	06/24/05	MSM	SW846-8270C
4-Bromophenyl phenyl ether	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
4-Chloro-3-methylphenol	ND	ug/kg	184	06/24/05	MSM	SW846-8270C
4-Chloroaniline	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
4-Chlorophenyl phenyl ether	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-51

Client Sample No.: S51

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter

Project:

Account: GTS001

Description: S51

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 2

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
4-Nitroaniline	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
4-Nitrophenol	ND	ug/kg	184	06/24/05	MSM	SW846-8270C
Acenaphthene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Acenaphthylene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Anthracene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Benzidine	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Benzo (a)anthracene	186.	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Benzo (a)pyrene	132.	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Benzo (b)fluoranthene	127.	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Benzo (g,h,i)perylene	98.2	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Benzo (k)fluoranthene	132.	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Butylbenzyl phthalate	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Carbazole	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Chrysene	309.	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Di-n-butyl phthalate	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Di-n-octyl phthalate	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Dibenz(a,h)anthracene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Dibenzofuran	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Diethyl phthalate	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Dimethyl phthalate	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Fluoranthene	322.	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Fluorene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Hexachlorobenzene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Hexachlorobutadiene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Hexachlorocyclopentadiene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Hexachloroethane	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Indeno(1,2,3-cd)pyrene	89.4	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Isophorone	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
N-Nitrosodiphenylamine	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
N-nitrosodi-n-propylamine	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Naphthalene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Nitrobenzene	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Pentachlorophenol	ND	ug/kg	184	06/24/05	MSM	SW846-8270C
Phenanthrene	376.	ug/kg	73.6	06/24/05	MSM	SW846-8270C
Phenol	ND	ug/kg	184	06/24/05	MSM	SW846-8270C
Pyrene	121.	ug/kg	73.6	06/24/05	MSM	SW846-8270C
bis(2-Chloroethoxy)methane	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
bis(2-Chloroethyl)ether	ND	ug/kg	110	06/24/05	MSM	SW846-8270C
bis(2-Chloroisopropyl)ether	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C
bis(2-Ethylhexyl)phthalate	ND	ug/kg	73.6	06/24/05	MSM	SW846-8270C

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-51

Client Sample No.: S51

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Attn: John Kerstetter

Project:

Account: GTS001

Description: S51

Date Reported: 06/10/05

Matrix: Soil

Discard Date: 07/13/05

Page: 3

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
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Note:

8270 - One ISTD recovered low

Reviewed By: Scott Brumley

CC:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

Lab Sample Number: L72416-52

411 Friendship Rd.

Client Sample No.: S52

Harrisburg, PA 17111

Sampled By: CLIENT 06/08/05 08:50

Attn: John Kerstetter
Project:
Account: GTS001
Description: S52

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 102 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	74.2	%	1	06/14/05	AMR	SM 2540 G.
Lead, Total	945.	mg/kg	3.37	06/22/05	BAB	SW-846 6010

Note:

Reviewed By: Sattu, Brian J.

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-53

Client Sample No.: S53

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 103 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	72.0	%	1	06/14/05	AMR	SM 2540 G.
Lead, Total	702.	mg/kg	3.47	06/22/05	BAB	SW-846 6010

Note:

Reviewed By: Scott J. Brant

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72416-54

Client Sample No.: 854

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 104 of 107

Attn: John Kerstetter
Project:
Account: GTS001
Description: 854

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	81.8	%	1	06/14/05	AMR	SM 2540 G.
Lead, Total	510.	mg/kg	3.06	06/22/05	BAB	SW-846 6010

Note:

Reviewed By: Scott Brumley

cc:

DL = Detection Limit

J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72416-55

Client Sample No.: S55

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 105 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	78.2	%	1	06/14/05	AMR	SM 2540 G.
Lead, Total	266.	mg/kg	3.2	06/22/05	BAB	SW-846 6010

Note:

Reviewed By: Scott & Bill

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: 172416-56

Client Sample No.: S56

Sampled By: CLIENT 06/08/05 08:50

Date Received: CLIENT 06/09/05

Date Reported: 06/29/05

Matrix: Soil

Discard Date: 07/13/05

Page: 106 of 107

Attn: John Kerstetter
Project:
Account: GTS001
Description: S56

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	86.4	%	1	06/14/05	AMR	SM 2540 G.
Lead, Total	107.	mg/kg	2.9	06/22/05	BAB	SW-846 6010

Note:

Reviewed By: Scott Brum

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 29, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

Lab Sample Number: L72416-57

411 Friendship Rd.

Client Sample No.: S57

Harrisburg, PA 17111

Sampled By: CLIENT 06/08/05 08:50

Attn: John Kerstetter
Project:

Date Received: CLIENT 06/09/05

Account: GTS001

Date Reported: 06/29/05

Description: S57

Matrix: Soil

Discard Date: 07/13/05

Page: 107 of 107

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	80.8	%	1	06/14/05	AMR	SM 2540 G.
Lead, Total	1200	mg/kg	3.09	06/22/05	BAB	SW-846 6010

Note:

Reviewed By: Scott Brasel

cc:

DL = Detection Limit
ND = Not Detected
NA = Not Analyzed

J = Greater Than MDL, but Less Than LOQ
U = Undetected
B = Analyte Present in Daily Blank



**Analytical
Laboratory Services, Inc.**

Environmental • Industrial Hygiene • Field Services
34 Dogwood Lane • Middletown, PA 17057 • 717.944.5541 • Fax: 717.944.1430

**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

COC #:	6-72416	of
ALSI Quote #:		

Client Name: GTS Technologies		Container Type: Jar	Receipt Information (completed by Receiving Lab)
Address: All Friendship Road		Container Size: 4oz	Cooler Temp: _____ Cooler #: _____
Contact: John Kestetter		Preservative: Dow Corning	Therm. ID: Y N
Phone#: 717 234-3502		ANALYSES/METHOD REQUESTED	
Project Name#: RAC		Creosote 80%	
Bill To: GTS		Enter Number of Containers Per Sample or Field Results Below.	
TAT: <input type="checkbox"/> Normal Standard TAT is 10-12 business days. <input checked="" type="checkbox"/> Rush Subject to ALSI approval and surcharges.		Approved By: _____	
Date Required: 10/27/2008		Email? jkestetter@tech.com	
Fax? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		Sample/COC Comments: L-72416-1	
Sample Description/Location (as it will appear on the lab report)		Sample Date	Time
1	S1	10/16/08	6:20 X
2	S2	10/17/08	6:20 X
3	S3	10/11/08	6:20 X
4	S4	10/18/08	6:20 X
5	S5	10/19/08	6:20 X
6	S6	10/20/08	6:20 X
7	S7	10/20/08	6:20 X
8	S8	10/21/08	6:20 X
9	S9	10/26/08	6:20 X
10	S10	10/27/08	6:20 X
Project Comments: ✓		Logged By (initials/date/time): JK, 10/27/08	
Relinquished By/ Company Name: Alfred Kestetter		Reviewed By (initials/date/time): JK, 10/27/08	Data Deliverables: <input checked="" type="checkbox"/> Standard
		Received By/ Company Name: JK	<input type="checkbox"/> CLP-like
		Date: 10/27/08	<input type="checkbox"/> USACE
		Time: 6:20	<input type="checkbox"/> PWSID
			<input type="checkbox"/> Reportable to PADEP?
			<input type="checkbox"/> Sample Disposal
			Lab <input type="checkbox"/> Special <input type="checkbox"/>
			PA <input type="checkbox"/> NC <input type="checkbox"/>
			Navy <input type="checkbox"/> NY <input type="checkbox"/>
			Collected In: PA
			Information concerning all nonconformance samples/containers shall be recorded on the COC.
			EDDS Format: Type: _____
Copies: WHITE - ORIGINAL		**Matrix - AI=Air; DW=Drinking Water; GW=GroundWater; OI=Oil; OL=Outer Liquid; SI=Sludge; SO=Soil; WP=Wipe; WW=Wastewater	



**Analytical
Laboratory Services, Inc.**

Environmental • Industrial Hygiene • Field Services

34 Dogwood Lane • Middletown, PA 17057 • 717.944.5541 • Fax: 717.944.1430

**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

COC #:	of
Receipt Information (completed by Receiving Lab)	

ALSI Quote #:

Client Name: <u>GTS Technologies</u>	Container Type: <u>Jar</u>
Address: <u>41 Trendy Rd</u>	Container Size: <u>1oz</u>
Contact: <u>John Kerstetter</u>	Preservative Name: <u>NONE</u>

Phone#: <u>717 230 3000</u>	ANALYSES/METHOD REQUESTED
------------------------------------	----------------------------------

Project Name#:

RACY

Bill To:

GTS

TAT:

Normal/Standard TAT is 10-12 business days.

Rush-Subject to ALSI approval and surcharges.

Date Required:

5-19

Email?

Yes

No

Fax?

Yes

No

Sample Description/Location

(as it will appear on the lab report)

Sample Date

Time

G or C Matrix

PPL Metals

PPL Metals Env.

Cresote 8270

PCBS

Enter Number of Containers Per Sample or Field Results Below.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

Other:

Logged By (initials/date/time)

LJ 5-19 16

Reviewed By (initials/date/time)

JK 5-19 16

Received By/ Company Name

John Kerstetter

Date

5-19-05

Time

16:25

Data Deliverables

CLP-like

USACE

Reportable to PADEP?

Yes

PWSID#

Sample Disposal

Lab

Special

State Samples Collected In

NJ

NY

PA

NC

EDDS: Format Type-

Special

Container Type: <u>Jar</u>	Preserve: <u>NONE</u>
Cooler Temp: _____	Cooler #: _____
Therm. ID: _____	Y
Custody Seals Present? <input type="checkbox"/> (if present) Seals Intact?	N
CDCLabels Agree?	
Cont. in Good Cond?	
Correct Containers?	
Correct Sample Volumes?	
Correct Preservation?	
Ship Carrier: UPS / FedEx / DHL / Other	
Tracking #: _____	
Sample/COC Comments	

Received on Ice?	
Information concerning all nonconformance samples/containers shall be recorded on the COC.	

Project Name#: <u>RACY</u>	ANALYSES/METHOD REQUESTED
Bill To: <u>GTS</u>	
TAT:	
Normal/Standard TAT is 10-12 business days.	
Rush-Subject to ALSI approval and surcharges.	
Date Required: <u>5-19</u>	
Email? <input checked="" type="checkbox"/> Yes	
Fax? <input type="checkbox"/> Yes	
Sample Description/Location	
(as it will appear on the lab report)	
Sample Date	
Time	
G or C Matrix	
<u>PPL Metals</u>	
<u>PPL Metals Env.</u>	
<u>Cresote 8270</u>	
<u>PCBS</u>	
Enter Number of Containers Per Sample or Field Results Below.	
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<u>20</u>	
<u>Other:</u>	
Logged By (initials/date/time)	
<u>LJ 5-19 16</u>	
Reviewed By (initials/date/time)	
<u>JK 5-19 16</u>	
Received By/ Company Name	
<u>John Kerstetter</u>	
Date	
<u>5-19-05</u>	
Time	
<u>16:25</u>	
Data Deliverables	
<input checked="" type="checkbox"/> CLP-like	
<input type="checkbox"/> USACE	
Reportable to PADEP?	
<input type="checkbox"/> Yes	
<input type="checkbox"/> PWSID#	
Sample Disposal	
<input type="checkbox"/> Lab	
<input type="checkbox"/> Special	
State Samples Collected In	
<input type="checkbox"/> NJ	
<input type="checkbox"/> NY	
<input type="checkbox"/> PA	
<input type="checkbox"/> NC	
EDDS: Format Type-	
<input type="checkbox"/> Special	

Relinquished By/Company Name	Date	Time
<u>John Kerstetter</u>	<u>5-19-05</u>	<u>16:25</u>
Received By/ Company Name	Date	Time
<u>John Kerstetter</u>	<u>5-19-05</u>	<u>16:25</u>
Data Deliverables		
<input checked="" type="checkbox"/> CLP-like		
<input type="checkbox"/> USACE		
Reportable to PADEP?		
<input type="checkbox"/> Yes		
<input type="checkbox"/> PWSID#		
Sample Disposal		
<input type="checkbox"/> Lab		
<input type="checkbox"/> Special		
State Samples Collected In		
<input type="checkbox"/> NJ		
<input type="checkbox"/> NY		
<input type="checkbox"/> PA		
<input type="checkbox"/> NC		
EDDS: Format Type-		
<input type="checkbox"/> Special		

* G=Grab; C=Composite ** Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OT=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADDED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

COC #:	of
ALSI Quote #:	

Client Name: CATS Technologies		Container Type: Jar	Receipt Information (completed by Receiving Lab)
Address: 411 Front Street Rd Hannaburg, PA 17111		Container Size: 4 oz	Cooler Temp: _____ Cooler #: _____
Contact: John Farstetter		Preservative: None	Therm. ID: _____ Y N
Phone#: 717.234.3202		ANALYSES/METHOD REQUESTED	
Project Name#: CATY		TAT: <input type="checkbox"/> Normal-Standard TAT is 10-12 business days. <input type="checkbox"/> Rush-Subject to ALSI approval and surcharges.	
Bill To: GTS		Date Required: _____	
Email? jfarstetter@stitch.com		Approved By: _____	
Fax? -Y		(If present) Seal's Intact? <input type="checkbox"/>	
Sample Description/Location (as it will appear on the lab report)		Sample Date	Enter Number of Containers Per Sample or Field Results Below.
1 S-21		4/8/05 1340	X
2 S-22		1357	X
3 S-23		1401	X
4 S-24		1408	X
5 S-25		1412	X
6 S-26		1418	X
7 S-27		1427	X
8 S-28		1431	X
9 S-29		1439	X
10 S-30		1441	X
Logged By (initials/date/time)			
Relinquished By/Company Name		Date	Reviewed By (initials/date/time)
<i>Received By/ Company Name</i>		Date	Time
Data Deliverables		Reportable to PADERP?	Sample Disposal
CLP-like		<input type="checkbox"/> Yes <input type="checkbox"/>	Lab <input checked="" type="checkbox"/> PA <input type="checkbox"/> NC <input type="checkbox"/> NJ
USACE		<input type="checkbox"/>	Navy <input type="checkbox"/> Other <input type="checkbox"/>
PWSID #		PWSID #	Special <input type="checkbox"/>
EDDS: Format Type-			
Project Comments:			
<p><i>Received by effluent sample</i></p> <p>Reviewed By (initials/date/time)</p> <p>Received By/ Company Name</p> <p>Date Time</p> <p>Data Deliverables</p> <p>Reportable to PADERP?</p> <p>Sample Disposal</p> <p>Lab <input checked="" type="checkbox"/> PA <input type="checkbox"/> NC <input type="checkbox"/> NJ</p> <p>Navy <input type="checkbox"/> Other <input type="checkbox"/></p> <p>Special <input type="checkbox"/></p> <p>Information concerning all nonconformance samples/containers shall be recorded on the COC.</p>			

* G=Grab; C=Composite **Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OI=Other Liquid; SL=Sludge; SO=Soil; WP=Water; WW=Wastewater
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**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

COC #:	of
ALSI Quote #:	

Client Name: <u>6TS Technologies</u>		Container Type <u>Jar</u>	Receipt Information (completed by Receiving Lab)
Address: <u>441 Friendship Rd</u>		Container Size <u>4oz</u>	Cooler Temp: _____ Cooler #: _____
Contact: <u>John Kastetter</u>		Preservative <u>None</u>	Therm. ID: _____
Phone#: <u>717-234-3006</u>		ANALYSES/METHOD REQUESTED	
Project Name#: <u>KACY</u>		PPL Metals, PPL Soils	
Bill To: <u>6TS</u>		PPL Metals	
TAT: <input type="checkbox"/> Normal Standard TAT is 10-12 business days. <input type="checkbox"/> Rush-Subject to ALSI approval and surcharges.		Approved By: _____	
Date Required: <u>5-15-05</u>		Correct Sample Volumes? <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Email? <input checked="" type="checkbox"/> <u>j.kastetter@6ts.com</u>		Correct Preservation? <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Fax? <input type="checkbox"/> <u>No:</u>		Ship Carrier: UPS / FedEx / DHL / Other _____	
Sample Description/Location (as it will appear on the lab report)			
1	S-31	6/8/05 1PM 6/8/05 6/20/05	X
2	S-32	6/8/05 4PM	X
3	S-33	6/8/05 4:55	X
4	S-34	6/8/05 5:20	X
5	S-35	6/8/05 5:20	X
6	S-36	6/8/05 5:20	X
7	S-37	6/8/05 5:20	X
8	S-38	6/9/05 10:33	X
9	S-39	6/9/05 10:33	X
10	S-40	6/9/05 10:33	X
Enter Number of Containers Per Sample or Field Results Below.			
Sample/COC Comments			
Logged By (Initials/date/time)		Standard	
Reviewed By (Initials/date/time)		<input type="checkbox"/> CLP-IKE	
Relinquished By / Company Name		USACE	
Date		Navy	
Time		NY	
Received By / Company Name		Army	
Date		NJ	
Time		NC	
Data Deliverables		State Samples Collected In	
CLP-IKE		PA	
USACE		NC	
Navy		NJ	
Army		NC	
Reportable to PADEP?		Special	
Yes <input type="checkbox"/>		<input type="checkbox"/> Lab	
PWSID #		<input type="checkbox"/> PA	
EDDS: Format Type:		<input type="checkbox"/> NC	
Information concerning all nonconformance samples/containers shall be recorded on the COC.			
Project Comments:			
10			

* G=Grab; C=Composite **Matrix = Alt-Air, DW=Drinking Water; GW=Groundwater; OL=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
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**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLEL. INSTRUCTIONS ON THE BACK.

COC #:	of
ALSI Quote #:	

Client Name: GTS Technologies Inc	Address: 401 Friendship Blvd Harrisburg, PA 17111	Contact: Todd Kortstetter	Phone#: (717) 231-2300																																												
Project Name#: TACY	Bill To: GTS	TAT: <input type="checkbox"/> Normal-Standard TAT is 10-12 business days. <input checked="" type="checkbox"/> Rush-Subject to ALSI approval and surcharges.	Date Required: Y																																												
Email?: jkersette@tech.com	Fax?: N	Approved By: J. Kersette																																													
ANAL YSES/METHOD REQUESTED																																															
<table border="1"> <tr> <td>Sample Description/Location (as it will appear on the lab report)</td> <td>Sample Date</td> <td>Time</td> <td>G or C Matrix</td> </tr> <tr> <td>S-41</td> <td>10/10/05</td> <td>6:00</td> <td>PPL Metals, PP PPL Metals</td> </tr> <tr> <td>S-42</td> <td>10/10/05</td> <td>1</td> <td></td> </tr> <tr> <td>S-43</td> <td>10/10</td> <td>X</td> <td></td> </tr> <tr> <td>S-44</td> <td>10/7</td> <td>X</td> <td></td> </tr> <tr> <td>S-45</td> <td>10/9</td> <td>XX</td> <td></td> </tr> <tr> <td>S-46</td> <td>10/10</td> <td>X</td> <td></td> </tr> <tr> <td>S-47</td> <td>10/10</td> <td>X</td> <td></td> </tr> <tr> <td>S-48</td> <td>10/10</td> <td>X</td> <td></td> </tr> <tr> <td>S-49</td> <td>10/7</td> <td>X</td> <td></td> </tr> <tr> <td>S-50</td> <td>10/3</td> <td>X</td> <td></td> </tr> </table>				Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	G or C Matrix	S-41	10/10/05	6:00	PPL Metals, PP PPL Metals	S-42	10/10/05	1		S-43	10/10	X		S-44	10/7	X		S-45	10/9	XX		S-46	10/10	X		S-47	10/10	X		S-48	10/10	X		S-49	10/7	X		S-50	10/3	X	
Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	G or C Matrix																																												
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Receipt Information (completed by Receiving Lab)
Custody Seals Present? (If present) Seals Intact?
COCI Labels Agree?
Cont. in Good Cond.?
Correct Containers?
Correct Sample Volumes?
Correct Preservation?
ALSI Field Services: Pickup Labor
 Composite Sampling Rental Equipment
Information concerning all nonconformance samples/containers shall be recorded on the COC.

Rev B/04

Project Comments:
Reviewed By (Initials/date/time)
Received By/ Company Name Date Time
Medalist Dry Proofs Inc 10/10/05 16:25
Data Deliverables
Reportable to PADEP? Sample Disposal Lab
Yes PWSID # Special
EDDS: Format Type
G-Grab; C-Composite **Matrix - Al=Al; DW=Drinking Water; GW=Groundwater; OL=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
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**Analytical
Laboratory Services, Inc.**

34 Dogwood Lane • Middletown, PA 17057 • 717.944.5541 • Fax: 717.944.1430
Environmental • Industrial Hygiene • Field Services

**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT!

COC #:	of
ALSI Quote #:	

Client Name: <u>GTS Technologies</u>		Container Type: <u>Tar</u>	Receipt Information (completed by Receiving Lab)
Address: <u>141 Friendship Rd</u>		Container Size: <u>4 oz</u>	Cooler Temp: _____ Cooler #: _____
Contact: <u>John Karscher</u>		Preservative: <u>None</u>	Therm. ID: <u>Y</u> N
Phone#: <u>(617) 234-2020</u>		ANALYSES/METHOD REQUESTED	
Project Name#: <u>GTS</u>		Total Lead	
Bill To: <u>GTS</u>		APL metals	
TAT <input type="checkbox"/> Normal-Standard TAT is 10-12 business days. <input checked="" type="checkbox"/> Rush-Subject to ALSI approval and surcharges.		APL SVOC	
Date Required: <u>Approved By:</u>			
Email? <input checked="" type="checkbox"/> <u>j.karscher@gts-tech.com</u>			
Fax? <input checked="" type="checkbox"/> <u>-Y</u> <u>No:</u>			
Sample Description/Location (as it will appear on the lab report)			
1	S-51	6/9/05 1159	* X per sec John Karscher
2	S-52	1208	X
3	S-53	1213	X
4	S-54	1200	X
5	S-55	1225	X
6	S-56	1232	X
7	S-57	1238	X
8			
9			
10			
Project Comments:			
Logged By (Initials/date/time)			
Reviewed By (Initials/date/time)		Standard	
Received By / Company Name		<input checked="" type="checkbox"/> CLP-like	Special Processing
<u>John Karscher</u> 6/9/05 1159		<input type="checkbox"/> USACE	State Samples Collected In
		<input type="checkbox"/> Navy	<input type="checkbox"/> NY
		<input type="checkbox"/> NJ	<input type="checkbox"/> PA
		<input type="checkbox"/> NC	<input type="checkbox"/> NC
		Data Deliverables	
		<input type="checkbox"/> CLP-like	Sample Disposal
		<input type="checkbox"/> USACE	Lab <input checked="" type="checkbox"/>
		<input type="checkbox"/> Navy	<input type="checkbox"/> NC
		<input type="checkbox"/> NJ	<input type="checkbox"/> PA
		<input type="checkbox"/> NC	<input type="checkbox"/> NC
		Reportable to PADERP?	
		<input type="checkbox"/> Yes	EDDS Format Type-
		<input type="checkbox"/> No	
		PWSID #	Special
<small>*G=Grab; C=Composite *Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater</small>			
<small>Copies: WHITE - ORIGINAL CANARY - CUSTOMER MAILING PINK - FILE GOLDENROD - CUSTOMER COPY</small>			

APPENDIX C

BORING LOGS

ENVIRONMENTAL FIELD BORING LOG

BORING NO.	B-1
SHEET	1 OF 1
DATE: START	6/15/05
END	6/15/05

PROJECT NAME NW Triangle Site Characterization

PROJECT LOCATION Ohio Blenders Property, York, PA

STATION _____ OFFSET FROM CENTERLINE _____

INSPECTOR (SIGNED) Meredith Glazier DRILLERS NAME/COMPANY Randy Williams/SAIC

EQUIPMENT USED Geoprobe Model 5400 Truck Mounted Rig

DRILLING METHODS Direct Push

CASING SIZE: _____ ; DEPTH: _____ ; WATER: DEPTH: - _____ TIME: N/A DATE: N/A

CHECKED BY: JDK DATE: 12/7/05 DEPTH: _____ * TIME: N/A DATE: N/A

DEPTH (')	SAMPLE NO / TYPE/CORE RUN	BLOWS/0.5 FT. ON SAMPLER	RECOVERY (Ft.)	RECOVERY (%)	RQD (%)	PID READING (ppm)	USCS	AASHTO	H ₂ O CONTENT	DESCRIPTION	REMARKS
0										TOPSOIL	
										1.0	
										LOAM with gravel and brick fragments, gray to black, (Fill)	Slight petroleum odor noted 2.0' - 4.0' interval and 7.5' - 8.0' interval
4.0	S-1		-			7.4					
5											Environmental sample collected from 6.0' - 8.0' interval
8.0	S-2		-			19.3				7.5	
10										CLAY with sand and gravel, medium brown, (Alluvial)	
12.0	S-3		-			10.3					
13.7	S-4		-			-				13.7	End of boring at 13.7'
15											13.7': Refusal
20											

ENVIRONMENTAL FIELD BORING LOG

BORING NO.	B-2
SHEET	1 OF 1
DATE: START	6/15/05
END	6/15/05

PROJECT NAME NW Triangle Site CharacterizationPROJECT LOCATION Ohio Blenders Property, York, PA

STATION _____ OFFSET FROM CENTERLINE _____

INSPECTOR (SIGNED) Meredith Glazier DRILLERS NAME/COMPANY Randy Williams/SAICEQUIPMENT USED Geoprobe Model 5400 Truck Mounted RigDRILLING METHODS Direct Push

CASING SIZE: _____ ; DEPTH: _____ ; WATER: DEPTH: - _____ TIME: N/A DATE: N/A

CHECKED BY: JDK DATE: 12/7/05 DEPTH: * _____ TIME: N/A DATE: N/A

DEPTH (')	SAMPLE NO./ TYPE/CORE RUN	BLOWS/0.5 FT. ON SAMPLER	RECOVERY (FT.)	RECOVERY (%)	RQD (%)	PID READING (ppm)	USCS	AASHTO	H ₂ O CONTENT	DESCRIPTION	REMARKS
0										TOPSOIL	
										1.0	
										SILT/SAND with gravel and brick, medium gray, (Fill)	Void areas noted within 4.0'- 8.0' interval
4.0	S-1		-	0.4						4.0	Brick recovered from 6.0'- 7.0' interval
5											
8.0	S-2		-	0.0						8.0	Layer of mixed black and white gravel noted from 7.3'- 8.0'
10											
12.0	S-3		-	0.0							Environmental sample collected from 10.0' - 12.0' interval
13.7	S-4		-	-						13.7	13.7: Refusal
15											
20											

ENVIRONMENTAL FIELD BORING LOG

BORING NO.	B-3
SHEET	1 OF 1
DATE: START	6/15/05
END	6/15/05
O.G. ELEV.	*
GWL ELEV.	*

PROJECT NAME NW Triangle Site CharacterizationPROJECT LOCATION Ohio Blenders Property, York, PA

STATION _____ OFFSET FROM CENTERLINE _____

INSPECTOR (SIGNED) Meredith Glazier DRILLERS NAME/COMPANY Randy Williams/SAICEQUIPMENT USED Geoprobe Model 5400 Truck Mounted RigDRILLING METHODS Direct Push

CASING SIZE: _____ ; DEPTH: _____ ; WATER: DEPTH: - _____ TIME: N/A DATE: N/A

CHECKED BY: JDK DATE: 12/7/05 DEPTH: * TIME: N/A DATE: N/A

DEPTH (')	SAMPLE NO./ TYPE/CORE RUN	BLOWS/10 FT. ON SAMPLER	RECOVERY (FL)	RECOVERY/ERY(%)	RQD (%)	PID READING (ppm)	USCS	AASHTO	H ₂ O CONTENT	DESCRIPTION	REMARKS
0										TOPSOIL	
4.0	S-1		-			0.4				1.0 LOAM with gravel and brick fragments, gray to black, (Fill)	
5										3.0 CLAY with gravel, medium tan, (Fill)	
8.0	S-2		-			0.0				4.0 SILT with sand and gravel, medium gray, (Fill)	
10										5.0 LOAM with gravel and coal fragments, gray to black, (Fill)	
12.0	S-3		-			0.0				7.0 CLAY, medium tan, (Residual)	
14.3	S-4		-			0.0				8.0 SILT with sand and gravel, red to tan, (Residual)	
15										10.0 CLAY, light tan to gray, (Residual)	Encountered water at 11.0'
20										14.3: Refusal	Environmental sample collected from 12.0' - 13.0' interval

ENVIRONMENTAL FIELD BORING LOG

PROJECT NAME NW Triangle Site Characterization

PROJECT LOCATION Ohio Blenders Property, York, PA

STATION _____ OFFSET FROM CENTERLINE _____

INSPECTOR (SIGNED) **Meredith Glazier** **DRILLERS NAME/COMPANY** **Randy Williams/SACI**

EQUIPMENT USED Geoprobe Model 5400 Truck Mounted Rig

BILLING METHODS Direct Push

CASING SIZE: _____ DEPTH: _____ WATER: DEPTH: - TIME: N/A DATE: N/A

CHECKED BY: JK DATE: 12/7/05 DEPTHR: * TIME: N/A DATE: N/A

DEPTH (')	SAMPLE NO./ TYPE/CORE RUN	BLOWS/0.5 FT. ON SAMPLER	RECOVERY (Ft.)	RECOVERY(%)	RQD (%)	PID READING (ppm)	USCS AASHTO	H ₂ O CONTENT	DESCRIPTION	REMARKS
0										
4.0	S-1		-						TOPSOIL	
5									1.0 GRAVEL with silt and sand, gray, (Fill)	Brick recovered from 1.0' - 2.0' interval
8.0	S-2		-						4.0 LOAM with gravel, gray to tan, (Fill)	Strong petroleum odor noted 6.0' - 8.0' interval
10									5.0 CLAY with gravel, tan to gray, (Fill)	
12.0	S-3		-						8.0 LOAM with gravel, dark gray, (Fill)	
15									10.0 CLAY with gravel, red to tan, (Fill)	
16.0	S-4		-						11.0 SILT,SAND,GRAVEL, white, reddish tan and gray, (Fill)	
20.0	S-5		-						13.0 SILT,SAND,GRAVEL, gray, (Fill)	Environmental sample collected from 16.0' - 18.0' interval
									16.0 LOAM with gravel, gray to tan, (Fill)	Encountered water at 19.0' Boring terminated @ 20.0'
									20.0	
										End of boring at 20.0'

ENVIRONMENTAL FIELD BORING LOG

BORING NO.	B-5
SHEET	1 OF 1
DATE: START	6/15/05
END	6/15/05

PROJECT NAME NW Triangle Site CharacterizationPROJECT LOCATION Ohio Blenders Property, York, PA

STATION _____ OFFSET FROM CENTERLINE _____

INSPECTOR (SIGNED) Meredith Glazier DRILLERS NAME/COMPANY Randy Williams/SAICEQUIPMENT USED Geoprobe Model 5400 Truck Mounted RigDRILLING METHODS Direct Push

CASING: SIZE: _____ ; DEPTH: _____ ; WATER: DEPTH: - _____ TIME: N/A DATE: N/A

CHECKED BY: JDK DATE: 12/7/05 DEPTH: * _____ TIME: N/A DATE: N/A

DEPTH (')	SAMPLE NO./ TYPE/CORE RUN	BLOWS/0.5 FT. ON SAMPLER	RECOVERY (ft.)	RECOVERY (%)	RQD (%)	PID READING (ppm)	USCS	AASHTO	H ₂ O CONTENT	DESCRIPTION	REMARKS
0										TOPSOIL	
										1.0	
										LOAM with gravel and fragments of coal, light tan to gray, (Fill)	
4.0	S-1		-		6.0						Brick recovered from 3.0' - 3.5' interval and at 4.0'
5										5.0	
										CLAY, reddish tan to gray, (Residual)	
8.0	S-2		-		7.8						
10											
12.0	S-3		-		20.1						
15.5	S-4		-		20.5					15.5	Environmental sample collected from 13.0' - 15.0' interval
15											
20											15.5': Refusal
										End of boring at 15.5'	

ENVIRONMENTAL FIELD BORING LOG

PROJECT NAME NW Triangle Site CharacterizationPROJECT LOCATION Ohio Blenders Property, York, PA

STATION _____ OFFSET FROM CENTERLINE _____

INSPECTOR (SIGNED) Meredith Glazier DRILLERS NAME/COMPANY Randy Williams/SAICEQUIPMENT USED Geoprobe Model 5400 Truck Mounted RigDRILLING METHODS Direct Push

CASING SIZE: _____ DEPTH: _____ WATER: DEPTH: _____ TIME: N/A DATE: N/A

CHECKED BY: JDK DATE: 12/7/05 DEPTH: * TIME: N/A DATE: N/A

BORING NO.	<u>B-6</u>
SHEET	<u>1</u> OF <u>1</u>
DATE: START	<u>6/15/05</u>
END	<u>6/15/05</u>
O.G. ELEV.	<u> </u>
GWL ELEV.	<u>*</u>

DEPTH (')	SAMPLE NO / TYPE/CORE RUN	BLOWS/0.5 FT. ON SAMPLER	RECOVERY (ft.)	RECOVERY (%)	RQD (%)	PID READING (ppm)	USCS	AASHTO	H ₂ O CONTENT	DESCRIPTION		REMARKS
										1.0	3.0	
0										TOPSOIL		
4.0	S-1		-			0.4				1.0	GRAVEL with loam and brick, gray, (Fill)	Brick recovered from 1.0' - 2.0' interval
8.0	S-2		-			0.0				3.0	CLAY with gravel, tan to gray, (Residual)	
12.0	S-3		-			0.0						Petroleum odor noted 9.5' - 12.0' interval
15.7	S-4		-			0.0				15.7		Environmental sample collected from 14.0' - 15.0' interval Encountered water at 15.0'
15.7											End of boring at 15.7'	15.7': Refusal
20												

ENVIRONMENTAL FIELD BORING LOG

BORING NO.	B-7
SHEET	1 OF 1
DATE: START	6/15/05
END	6/15/05

PROJECT NAME NW Triangle Site CharacterizationPROJECT LOCATION Ohio Blenders Property, York, PA

STATION _____ OFFSET FROM CENTERLINE _____

INSPECTOR (SIGNED) Meredith Glazier DRILLERS NAME/COMPANY Randy Williams/SAICEQUIPMENT USED Geoprobe Model 5400 Truck Mounted RigDRILLING METHODS Direct Push

CASING: SIZE: _____ ; DEPTH: _____ ; WATER: DEPTH: - TIME: N/A DATE: N/A

CHECKED BY: JDK DATE: 12/7/05 DEPTH: * TIME: N/A DATE: N/A

DEPTH (')	SAMPLE NO./ TYPE/CORE RUN	BLOWS/0.5 FT. ON SAMPLER	RECOVERY (ft.)	RECOVERY (%)	RQD (%)	PID READING (ppm)	USCS	AASHTO	H ₂ O CONTENT	DESCRIPTION	REMARKS
0										TOPSOIL	
										1.0	
										LOAM with gravel, brown, (Fill)	<i>Brick recovered from 1.0' - 1.5' interval</i>
										3.0	
4.0	S-1		-			0.0				CLAY with gravel, tan to gray, (Residual)	
5											
8.0	S-2		-			0.0					<i>Decayed wood recovered at 8.0'</i>
10											
12.0	S-3		-			0.0					<i>Environmental sample collected from 12.0' - 14.0' interval</i>
14.6	S-4		-			0.0					<i>14.6': Refusal</i>
15											
20											

ENVIRONMENTAL FIELD BORING LOG

BORING NO. B-8
 SHEET 1 OF 1
 DATE: START 6/15/05
 END 6/15/05
 O.G. ELEV. _____
 GWL ELEV. *

PROJECT NAME NW Triangle Site CharacterizationPROJECT LOCATION Ohio Blenders Property, York, PA

STATION _____ OFFSET FROM CENTERLINE _____

INSPECTOR (SIGNED) Meredith Glazier DRILLERS NAME/COMPANY Randy Williams/SAICEQUIPMENT USED Geoprobe Model 5400 Truck Mounted RigDRILLING METHODS Direct PushCASING SIZE: _____ ; DEPTH: _____ ; WATER: DEPTH: - _____ TIME: N/A DATE: N/ACHECKED BY: JDK DATE: 12/7/05 DEPTH: _____ * TIME: N/A DATE: N/A

DEPTH (')	SAMPLE NO./ TYPE/CORE RUN	BLOWS/0.5 FT. ON SAMPLER	RECOVERY (ft.)	RECOVERY (%)	RQD (%)	PID READING (ppm)	USCS	AASHTO	H ₂ O CONTENT	DESCRIPTION		REMARKS									
										TOPSOIL	CLAY with gravel, tan to dark gray, (Fill)										
0	S-1		-	0.0	1.0	377				TOPSOIL	Brick recovered at 1.0'										
										CLAY with gravel, tan to dark gray, (Fill)											
										3.0											
										GRAVEL with coal and brick fragments, (Fill)											
4.0	S-2		-	0.0	5.0	377				CLAY, tan to gray to red/brown, (Residual)											
8.0	S-3		-	0.0	12.0	377				Strong Petroleum odor noted 12.0' - 14.0' interval											
12.0	S-4		-	0.0	14.7	377				Environmental sample collected from 13.0' - 14.7' interval											
										14.7': Refusal											
15											End of boring at 14.7'										
20																					

APPENDIX D

LABORATORY ANALYTICAL RESULTS

SUBSURFACE SOIL SAMPLES



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 23, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72614-1

Client Sample No.: B-1

Sampled By: CLIENT 06/15/05 09:09

Date Received: CLIENT 06/15/05

Date Reported: 06/23/05

Matrix: Soil

Discard Date: 07/07/05

Page: 1 of 8

Attn: John Kerstetter

Project:

Account: GTS001

Description: RACY-B-1

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	89.1	%	1	06/16/05	LMN/AMR	SM 2540 G.
Lead, Total	541.	mg/kg	2.81	06/22/05	BAB	SW-846 6010
1,2-Dibromoethane	ND	ug/kg	48.4	06/16/05	JDA/BAE	SW846-8260B
1,2-Dichloroethane	ND	ug/kg	48.4	06/16/05	JDA/BAE	SW846-8260B
Benzene	81.3	ug/kg	48.4	06/16/05	JDA/BAE	SW846-8260B
Ethylbenzene	ND	ug/kg	48.4	06/16/05	JDA/BAE	SW846-8260B
Isopropylbenzene	ND	ug/kg	48.4	06/16/05	JDA/BAE	SW846-8260B
Naphthalene	587.	ug/kg	48.4	06/16/05	JDA/BAE	SW846-8260B
Toluene	133.	ug/kg	48.4	06/16/05	JDA/BAE	SW846-8260B
m- & p-Xylene	166.	ug/kg	96.7	06/16/05	JDA/BAE	SW846-8260B
o-Xylene	86.6	ug/kg	48.4	06/16/05	JDA/BAE	SW846-8260B

Note:

Reviewed By:

Betha. Barb

cc:

DL = Detection Limit

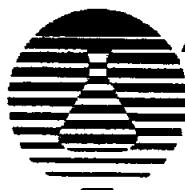
J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 23, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

411 Friendship Rd.

Harrisburg, PA 17111

Lab Sample Number: L72614-2

Client Sample No.: B-2

Sampled By: CLIENT 06/15/05 10:10

Date Received: CLIENT 06/15/05

Date Reported: 06/23/05

Matrix: Soil

Discard Date: 07/07/05

Page: 2 of 8

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	84.2	%	1	06/16/05	LMN/AMR	SM 2540 G.
Lead, Total	50.7	mg/kg	2.97	06/22/05	BAB	SW-846 6010
1,2-Dibromoethane	ND	ug/kg	0.855	06/17/05	JDA/BAE	SW846-8260B
1,2-Dichloroethane	ND	ug/kg	0.855	06/17/05	JDA/BAE	SW846-8260B
Benzene	ND	ug/kg	0.855	06/17/05	JDA/BAE	SW846-8260B
Ethylbenzene	ND	ug/kg	0.855	06/17/05	JDA/BAE	SW846-8260B
Isopropylbenzene	ND	ug/kg	0.855	06/17/05	JDA/BAE	SW846-8260B
Naphthalene	ND	ug/kg	0.855	06/17/05	JDA/BAE	SW846-8260B
Toluene	0.92	ug/kg	0.855	06/17/05	JDA/BAE	SW846-8260B
m- & p-Xylene	ND	ug/kg	0.855	06/17/05	JDA/BAE	SW846-8260B
o-Xylene	ND	ug/kg	1.71	06/17/05	JDA/BAE	SW846-8260B
	ND	ug/kg	0.855	06/17/05	JDA/BAE	SW846-8260B

Note:

Reviewed By:

Peter A. Bales

cc:

DL = Detection Limit

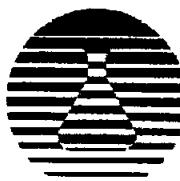
J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 23, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies

Lab Sample Number: L72614-3

411 Friendship Rd.

Client Sample No.: B-3

Harrisburg, PA 17111

Sampled By: CLIENT 06/15/05 10:36

Date Received: CLIENT 06/15/05

Attn: John Kerstetter

Date Reported: 06/23/05

Project:

Matrix: Soil

Account: GTS001

Discard Date: 07/07/05

Description: RACY-B-3

Page: 3 of 8

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	82.7	%	1	06/16/05	LMN/AMR	SM 2540 G.
Lead, Total	23.4	mg/kg	3.02	06/22/05	BAB	SW-846 6010
1,2-Dibromoethane	ND	ug/kg	0.919	06/17/05	JDA/BAE	SW846-8260B
1,2-Dichloroethane	ND	ug/kg	0.919	06/17/05	JDA/BAE	SW846-8260B
Benzene	ND	ug/kg	0.919	06/17/05	JDA/BAE	SW846-8260B
Ethylbenzene	ND	ug/kg	0.919	06/17/05	JDA/BAE	SW846-8260B
Isopropylbenzene	ND	ug/kg	0.919	06/17/05	JDA/BAE	SW846-8260B
Naphthalene	ND	ug/kg	0.919	06/17/05	JDA/BAE	SW846-8260B
Toluene	ND	ug/kg	0.919	06/17/05	JDA/BAE	SW846-8260B
m- & p-Xylene	ND	ug/kg	1.84	06/17/05	JDA/BAE	SW846-8260B
o-Xylene	ND	ug/kg	0.919	06/17/05	JDA/BAE	SW846-8260B

Note:

Reviewed By:

cc:

DL = Detection Limit

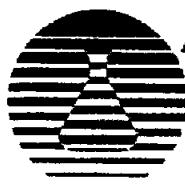
J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 23, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72614-4

Client Sample No.: B-4

Sampled By: CLIENT 06/15/05 11:37

Date Received: CLIENT 06/15/05

Date Reported: 06/23/05

Matrix: Soil

Discard Date: 07/07/05

Page: 4 of 8

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	86.3	%	1	06/16/05	LMN/AMR	SM 2540 G.
Lead, Total	16.2	mg/kg	2.9	06/22/05	BAB	SW-846 6010
1,2-Dibromoethane	ND	ug/kg	55.3	06/16/05	JDA/BAE	SW846-8260B
1,2-Dichloroethane	ND	ug/kg	55.3	06/16/05	JDA/BAE	SW846-8260B
Benzene	ND	ug/kg	55.3	06/16/05	JDA/BAE	SW846-8260B
Ethylbenzene	ND	ug/kg	55.3	06/16/05	JDA/BAE	SW846-8260B
Isopropylbenzene	ND	ug/kg	55.3	06/16/05	JDA/BAE	SW846-8260B
Naphthalene	ND	ug/kg	55.3	06/16/05	JDA/BAE	SW846-8260B
Toluene	ND	ug/kg	55.3	06/16/05	JDA/BAE	SW846-8260B
m- & p-Xylene	ND	ug/kg	111	06/16/05	JDA/BAE	SW846-8260B
o-Xylene	ND	ug/kg	55.3	06/16/05	JDA/BAE	SW846-8260B

Note:

8260 - Sample ran at a dilution due to the level of non-target compounds.

Reviewed By: Beth A. Baal

cc:

DL = Detection Limit

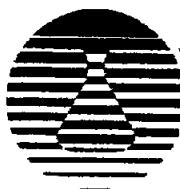
J = Greater Than MDL, but Less Than LOQ

ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 23, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72614-5

Client Sample No.: B-5

Sampled By: CLIENT 06/15/05 12:20

Date Received: CLIENT 06/15/05

Date Reported: 06/23/05

Matrix: Soil

Discard Date: 07/07/05

Page: 5 of 8

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	80.2	%	1	06/16/05	LMN/AMR	SM 2540 G.
Lead, Total	25.9	mg/kg	3.12	06/22/05	BAB	SW-846 6010
1,2-Dibromoethane	ND	ug/kg	60	06/16/05	JDA/BAE	SW846-8260B
1,2-Dichloroethane	ND	ug/kg	60	06/16/05	JDA/BAE	SW846-8260B
Benzene	ND	ug/kg	60	06/16/05	JDA/BAE	SW846-8260B
Ethylbenzene	ND	ug/kg	60	06/16/05	JDA/BAE	SW846-8260B
Isopropylbenzene	224.	ug/kg	60	06/16/05	JDA/BAE	SW846-8260B
Naphthalene	ND	ug/kg	60	06/16/05	JDA/BAE	SW846-8260B
Toluene	ND	ug/kg	60	06/16/05	JDA/BAE	SW846-8260B
m- & p-Xylene	ND	ug/kg	120	06/16/05	JDA/BAE	SW846-8260B
o-Xylene	ND	ug/kg	60	06/16/05	JDA/BAE	SW846-8260B

Note:

8260 - Sample ran at a dilution due to the level of non-target compounds.

Reviewed By:

cc:

DL = Detection Limit

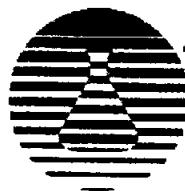
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ND = Not Detected

U = Undetected

NA = Not Analyzed

B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 23, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72614-6

Client Sample No.: E-6

Sampled By: CLIENT 06/15/05 12:53

Date Received: CLIENT 06/15/05

Date Reported: 06/23/05

Matrix: Soil

Discard Date: 07/07/05

Page: 6 of 8

Attn: John Kerstetter

Project:
Account: GTS001
Description: RACY-B-6

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	73.6	%	1	06/16/05	LMN/AMR	SM 2540 G.
Lead, Total	21.1	mg/kg	3.4	06/22/05	BAB	SW-846 6010
1,2-Dibromoethane	ND	ug/kg	1.14	06/17/05	JDA/BAE	SW846-8260B
1,2-Dichloroethane	ND	ug/kg	1.14	06/17/05	JDA/BAE	SW846-8260B
Benzene	ND	ug/kg	1.14	06/17/05	JDA/BAE	SW846-8260B
Ethylbenzene	ND	ug/kg	1.14	06/17/05	JDA/BAE	SW846-8260B
Isopropylbenzene	ND	ug/kg	1.14	06/17/05	JDA/BAE	SW846-8260B
Naphthalene	ND	ug/kg	1.14	06/17/05	JDA/BAE	SW846-8260B
Toluene	ND	ug/kg	1.14	06/17/05	JDA/BAE	SW846-8260B
m- & p-Xylene	ND	ug/kg	2.28	06/17/05	JDA/BAE	SW846-8260B
o-Xylene	ND	ug/kg	1.14	06/17/05	JDA/BAE	SW846-8260B

Note:

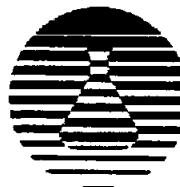
Reviewed By:

Peter A.B. ab

cc:

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U = Undetected
B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 23, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72614-7

Client Sample No.: B-7

Sampled By: CLIENT 06/15/05 13:33

Date Received: CLIENT 06/15/05

Date Reported: 06/23/05

Matrix: Soil

Discard Date: 07/07/05

Page: 7 of 8

Attn: John Kerstetter

Project:
Account: GTS001
Description: RACY-B-7

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	80.4	%	1	06/16/05	LMN/AMR	SM 2540 G.
Lead, Total	46.8	mg/kg	3.11	06/22/05	BAB	SW-846 6010
1,2-Dibromoethane	ND	ug/kg	1.1	06/17/05	JDA/BAE	SW846-8260B
1,2-Dichloroethane	ND	ug/kg	1.1	06/17/05	JDA/BAE	SW846-8260B
Benzene	7.8	ug/kg	1.1	06/17/05	JDA/BAE	SW846-8260B
Ethylbenzene	ND	ug/kg	1.1	06/17/05	JDA/BAE	SW846-8260B
Isopropylbenzene	ND	ug/kg	1.1	06/17/05	JDA/BAE	SW846-8260B
Naphthalene	ND	ug/kg	1.1	06/17/05	JDA/BAE	SW846-8260B
Toluene	ND	ug/kg	1.1	06/17/05	JDA/BAE	SW846-8260B
m- & p-Xylene	1.7	ug/kg	1.1	06/17/05	JDA/BAE	SW846-8260B
c-Kylene	ND	ug/kg	2.19	06/17/05	JDA/BAE	SW846-8260B
	ND	ug/kg	1.1	06/17/05	JDA/BAE	SW846-8260B

Note:

Reviewed By:

cc:

DL = Detection Limit
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NA = Not Analyzed

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B = Analyte Present in Daily Blank



**ANALYTICAL
LABORATORY SERVICES, INC.**

YORK DIVISION

Environmental Testing Laboratory

Print Date: Jun 23, 2005

CERTIFICATE OF ANALYSIS

Client: GTS Technologies
411 Friendship Rd.
Harrisburg, PA 17111

Lab Sample Number: L72614-8

Client Sample No.: B-8

Sampled By: CLIENT 06/15/05 13:58

Date Received: CLIENT 06/15/05

Date Reported: 06/23/05

Matrix: Soil

Discard Date: 07/07/05

Page: 8 of 8

Attn: John Kerstetter

Project:

Account: GTS001

Description: RACY-B-8

Parameter	Results	Units	DL	Date Analyzed	Analyst	Method
Residue, %	81.8	%	1	06/16/05	LMN/AMR	SM 2540 G.
Lead, Total	27.7	mg/kg	3.06	06/22/05	BAE	SW-846 6010
1,2-Dibromoethane	ND	ug/kg	46.2	06/17/05	JDA/BAE	SW846-8260B
1,2-Dichloroethane	ND	ug/kg	46.2	06/17/05	JDA/BAE	SW846-8260B
Benzene	ND	ug/kg	46.2	06/17/05	JDA/BAE	SW846-8260B
Ethylbenzene	ND	ug/kg	46.2	06/17/05	JDA/BAE	SW846-8260B
Isopropylbenzene	141.	ug/kg	46.2	06/17/05	JDA/BAE	SW846-8260B
Naphthalene	ND	ug/kg	46.2	06/17/05	JDA/BAE	SW846-8260B
Toluene	ND	ug/kg	46.2	06/17/05	JDA/BAE	SW846-8260B
m- & p-Xylene	ND	ug/kg	92.4	06/17/05	JDA/BAE	SW846-8260B
o-Xylene	ND	ug/kg	46.2	06/17/05	JDA/BAE	SW846-8260B

Note:

8260 - Low ISTD due to matrix resulted in high SS recovery. Results may be biased high.
8260 IS spiked in sample extract.

Reviewed By: Dick a/B

cc:

DL = Detection Limit

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**Analytical
Laboratory Services, Inc.**

Environmental • Industrial Hygiene • Field Services
34 Dogwood Lane • Middletown, PA 17057 • 717.944.5541 • Fax: 717.944.1430

**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**

**ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.**

COC #:	of
---------------	-----------

ALSI Quote #:

Client Name:	GTS
Address:	441 Friendship Road Harrisburg, PA 17111
Contact:	John Kerstetter
Phone#:	717-234-2006
Project Name#:	RACY
Bill To:	GTS

Container Type	PBS	VIZI	VIZI
Container Size	40Z	40L	40L
Preservative	NONE	METHANOL	METHANOL

ANALYSES/METHOD REQUESTED	
(if present) Seal's Intact?	<input type="checkbox"/>
Received on Ice?	<input type="checkbox"/>
COC/Labels Agree?	<input type="checkbox"/>
Cont. In Good Cond.?	<input type="checkbox"/>
Correct Containers?	<input type="checkbox"/>
Correct Sample Volumes?	<input type="checkbox"/>
Correct Preservation?	<input type="checkbox"/>
Ship. Carrier: UPS / FedEx / DHL / Other	Tracking #:

Receptacle Type:

Y

N

TAT: Normal-Standard TAT is 10-12 business days.
 Rush-Subject to ALSI approval and surcharges.

Date Required:

Email? jkerstetter@gtssteel.com

Fax? Y No:

Sample Description/Location
(as it will appear on the lab report)

Sample Date

***G or C**

Matrix

Enter Number of Containers Per Sample or Field Results Below.

Sample/COC Comments

Information concerning all nonconformance samples/containers shall be recorded on the COC.

1	B-1	6/15/05	05/09/05	6	60	1	1	2					1-7-2-6-14-1
2	B-2	6/15/05	10/0										-2
3	B-3	6/15/05	10/06			2	2	4	QC Samp				-3
4	B-4	6/15/05	11/37										-4
5	B-5	6/15/05	12/20										-5
6	B-6	6/15/05	12/23										-6
7	B-7	6/15/05	13/33										-7
8	B-8	6/15/05	13/30										-8
9													
10													

Project Comments:

Logged By (initials/date/time)

Reviewed By (initials/date/time)

Relandished By / Company Name

Date

Time

Received By / Company Name

Date

Time

Data Deliverables

Reportable to PADERP?

Yes

PWSID #

EDDS:

Format Type:

Special Processing

USACE

Navy

NY

NU

PA

NC

Special

Lab

SL

SD

WP

WW

Wastewater

* G=Grab C=Composite **Matix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Slatte; SD=Soil; WP=Pipe; WW=Wastewater
Copies: WHITE - ORIGINAL CANARY - CUSTOMER MAILING PINK - FILE GOLDENROD - CUSTOMER COPY

Rev 8/04