

INITIAL ABATEMENT ACTION REPORT

TT-2139

**TARAWA TERRACE
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA**

DECEMBER 17, 2009

**NAVY CONTRACT No. N62470-05-D-6200
CATLIN PROJECT No. 209-025**



PREPARED BY:

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TABLE OF CONTENTS

	<u>PAGE</u>
1.0 SITE INFORMATION	1
1.1 SITE IDENTIFICATION	1
1.2 CONTACT INFORMATION	1
1.3 RELEASE INFORMATION	1
1.4 CERTIFICATION	2
2.0 SITE HISTORY AND CHARACTERIZATION	2
3.0 UST CLOSURE	3
3.1 PREPARATIONS	3
3.2 PROCEDURES	3
3.3 RESIDUAL MATERIAL AND DISPOSAL	4
4.0 INITIAL RESPONSE AND ABATEMENT ACTIONS	4
5.0 EXCAVATION OF CONTAMINATED SOIL	4
5.1 FIELD SCREENING	4
5.2 EXCAVATION PROCESS	4
5.3 CONFIRMATION SOIL SAMPLING	5
5.4 QUALITY CONTROL MEASURES	5
6.0 RESULTS	6
7.0 CONCLUSION AND RECOMMENDATIONS	6
8.0 LIMITATIONS	7

TABLES

TABLE 1	SITE HISTORY – UST OWNER AND OPERATOR INFORMATION
TABLE 2	SITE HISTORY – UST SYSTEM AND RELEASE INFORMATION
TABLE 3	PUBLIC AND PRIVATE WATER SUPPLY WELL AND OTHER RECEPTOR INFORMATION
TABLE 4	SUMMARY OF SOIL LABORATORY RESULTS – EPA METHOD 8015
TABLE 5	SUMMARY OF SOIL LABORATORY RESULTS – EPA METHOD 8260
TABLE 6	SUMMARY OF SOIL LABORATORY RESULTS – EPA METHOD 8270
TABLE 7	SUMMARY OF SOIL LABORATORY RESULTS – MADEP EPH/VPH
TABLE 8	SUMMARY OF SOIL LABORATORY RESULTS – MADEP EPH/VPH AS COMPARED TO NCDENR MSCCs

TABLE OF CONTENTS (CONTINUED)

FIGURES

- FIGURE 1 SITE VICINITY MAP**
- FIGURE 2 SITE MAP WITH SOIL SAMPLE LOCATIONS**
- FIGURE 3 SITE MAP WITH POTENTIAL RECEPTORS**

APPENDICES

- APPENDIX A UST-61 – 24-HOUR RELEASE AND UST LEAK REPORTING FORM**
- APPENDIX B UST-2 – SITE INVESTIGATION REPORT FOR PERMANENT CLOSURE OF UST**
- APPENDIX C LABORATORY REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION**

1.0 SITE INFORMATION

1.1 SITE IDENTIFICATION

Date of Report: December 17, 2009
Facility I.D.: Not Applicable UST Incident Number (if known): Pending
Site Name: TT-2139
Site Street Address: TT-2139 Tarawa Blvd
City/Town: Camp Lejeune Zip Code: 28542 County: Onslow
Description of Geographical Data Point: Approximate former UST basin
Location Method: MCB Camp Lejeune GIS (see Figure 1)
Latitude: 34° 44' 11.03" N Longitude: 77° 22' 45.11" W

1.2 CONTACT INFORMATION

UST Owner and Operator: Commanding Officer, Marine Corps Base (MCB)
Address: PSC 20004 – MCB, Camp Lejeune, NC 28542-0004
Phone: 910-451-5068

Property Owner: Commanding Officer, Marine Corps Base
Address: PSC 20004 – MCB, Camp Lejeune, NC 28542-0004
Phone: 910-451-5068

Property Occupant: Currently Vacant (Demolished)–Commanding Officer,
Marine Corps Base
Address: PSC 20004 – MCB, Camp Lejeune, NC 28542-0004
Phone: None

Consultant/Contractor: CATLIN Engineers and Scientists (CATLIN)
Address: 220 Old Dairy Road – Wilmington, NC 28405
Phone: 910-452-5861

Analytical Laboratory: Pace Analytical Services, Inc. (Pace)
State Certification No.: 5342
Address: 9800 Kincey Ave. Suite 100 – Huntersville, NC 28078
Phone: 704-875-9092

Closure Contractor: TMS
Address: 1 Cherry Point Trailer, Bldg. 4376T – Cherry Point, NC 28533
Phone: 252-447-1700

1.3 RELEASE INFORMATION

Date Discovered: October 28, 2009
Estimated Quantity of Release: Unknown
Cause of Release: Unknown
Source of Release (Piping/UST): Unknown
Sizes and contents of UST system from which the release occurred: 550-
gallon heating oil tank

1.4 CERTIFICATION

I, Michael E. Mason, a Professional Engineer for CATLIN Engineers and Scientists (CATLIN), do certify that the information contained in this report is correct and accurate to the best of my knowledge.



CATLIN is licensed to practice engineering in North Carolina. The certification number of the company is C-0585.

2.0 SITE HISTORY AND CHARACTERIZATION

The site is located within the Tarawa Terrace Housing Area aboard the MCB Camp Lejeune. The site vicinity is illustrated on Figure 1. The site is in an area where existing housing has been demolished and will be used to re-build military housing units. As a result, land use should be categorized as Residential. The UST was an inactive home heating oil tank previously used to store #2 Heating Oil for on-site use. The UST location is illustrated on Figure 2. The tank owner and operator have always been the Marine Corps, however; tank installation date is unknown. Owner and operator contact information as provided in Section 1.2 is summarized on Table 1. No previous releases have been reported in conjunction with this tank. The UST system (and release) site history is provided on Table 2.

The site lies within the Tidewater Region of the Coastal Plain Physiographic Province of North Carolina, where large streams and many of their tributaries are affected by ocean tides. The predominant soil type at the site is silty sand to sand of Quaternary surficial deposits. The depth to the underlain Tertiary Castle Hayne limestone/sand is unknown, but is estimated to be more than 30 feet. The depth to water is estimated to be approximately nine (9) feet below land surface (BLS).

As illustrated on Figure 3 and indicated on Table 3, the nearest surface water body is an unnamed tributary of the New River, which is approximately 450 feet north-northwest of the site. Another unnamed stream is located approximately 700 feet north of the site (see Figure 3 and Table 3). Groundwater flow direction in the surficial aquifer is assumed to flow north or north-northwest toward one of the unnamed tributaries. There are no water supply wells within a 1,500 ft radius of the site, and all buildings in the area are supplied by the MCB water supply system,

specifically water from the Holcomb Boulevard Water Treatment Plant (WTP). The ongoing new construction in the area is being connected to water supplied by the Holcomb Blvd. WTP.

The nearest place of public assembly is unknown at this time as the entire area is being redeveloped with new residential housing units. Community playgrounds may be planned in the area where the new housing units are to be constructed.

3.0 UST CLOSURE

3.1 PREPARATIONS

As previously mentioned, there was no record or indications of a release from the non-commercial, non-regulated heating oil tank prior to removal (excavation) activities. Therefore; submittal of a Notice of Intent (UST-3 Form) was not required. According to TMS, the tank and any nearby underground utilities were pre-located and surveyed prior to UST closure to prevent damage or UST releases by subcontractors of Actus Lend Lease (Actus) during demolition and construction in the area.

On October 28, 2009 an access hole was cut into the top of the tank in order to remove residual liquid contents from tank. A vacuum truck was used to remove tank contents.

3.2 PROCEDURES

As documented by TMS, following removal of residual material, acceptable vapor readings inside the tank were measured with a Lower Explosive Limit (LEL) and oxygen meter. Sufficient soils were then removed from the top and sides of the tank allowing it to be lifted from the excavation. Excavated soils were stockpiled (temporarily) on plastic near the site.

The top of the tank was approximately two (2) feet BLS. The tank was found to be made of welded steel and measured four (4) feet in diameter by six (6) feet long with a capacity of approximately 550 gallons. Severe pitting and rust were noted but all welds appeared intact.

According to TMS, soils around the UST revealed petroleum odor and elevated Photo Ionization Detector (PID) readings. A UST closure soil sample (from within two feet of the tank bottom) was not collected. Groundwater was not encountered during UST closure activities. Based on observation of the tank excavation, soils encountered were a clayey sand / sandy clay mixture.

The North Carolina Department of Environment and Natural Resources (NCDENR) Wilmington Regional Office (WRO) was notified of a suspected

release and the UST-61 "24-Hour Notice of Release and UST Leak Reporting Form" is provided in Appendix A. A *Site Investigation Report for Permanent Closure or Change-in-Service of UST (UST-2)* form is included in Appendix B.

3.3 RESIDUAL MATERIAL AND DISPOSAL

Certificates of disposal have not been provided by the disposal facilities prior to this report. Certificates of disposal will be forthcoming. According to TMS, approximately 550 gallons of contaminated water was pumped from the tank and properly disposed by Environmental Management Division (EMD), Resource Conservation and Recovery Section (RCRS) at Building 977. The stockpiled soils are awaiting transportation for disposal at the P&F Land Farming Facility, Permit# SR0500106, in Whitakers, NC. The tank was removed for cleaning and disposal preparation. TMS personnel noted there were signs of deterioration and corrosion on the bottom of the UST and small holes were observed in the sides. The tank will be transported to Jacksonville Scrap for disposal.

4.0 INITIAL RESPONSE AND ABATEMENT ACTIONS

Before beginning UST closure activities it was determined that if an indication of a release was noted during tank removal, actions would be taken at that time in an attempt to remediate (remove) any potentially impacted soils. Soils excavated around the UST revealed petroleum odor and elevated PID readings. No free – phase product was discovered during these closure and abatement actions. TMS continued excavating suspected soil contamination based on PID screening immediately following UST removal.

5.0 EXCAVATION OF CONTAMINATED SOIL

5.1 FIELD SCREENING

During UST system removal, soil contamination was suspected based on PID field screening and a strong hydrocarbon odor. The PID was calibrated each morning in the field using the appropriate calibration standard recommended by the PID manufacturer.

5.2 EXCAVATION PROCESS

As previously mentioned, soils were excavated immediately following UST removal and properly stockpiled (temporarily) near the site. Suspected soil contamination was excavated around the former UST location based on obvious odor and periodic PID screening. Grab soil samples were collected by hand while wearing new, disposable gloves and placed in a sealable polyethylene bag for PID headspace screening. Soils that revealed elevated

readings were removed and placed on the nearby stockpile. Soil excavating ceased when all indications of petroleum impacted soils were removed. Overall excavation limits measured 15 feet by 15 feet by 8.5 feet deep. Groundwater was not encountered during soil excavation activities. The excavation limits are illustrated on Figure 2.

5.3 CONFIRMATION SOIL SAMPLING

An undisturbed soil sample was collected from the excavation floor at 8.5 feet BLS and beneath the former UST location. Undisturbed sidewall soils from approximately five (5) feet BLS were obtained from each excavation sidewall utilizing the excavator bucket. The undisturbed soils from each sample location (see Figure 2) were removed from the excavator bucket by hand while wearing new disposable gloves and packed directly into the appropriate laboratory provided glassware, and placed on ice in an insulated cooler. The excavation confirmation sample identifications, sample date and time are provided on the Chain-of-Custody following the laboratory analytical report in Appendix C. The five (5) excavation confirmation samples (TT-2139-B-8.5, TT-2139-1, TT-2139-2, TT-2139-3, and TT-2139-4) were transferred to a Pace courier following proper Chain-of-Custody protocol and submitted for Total Petroleum Hydrocarbon (TPH) Diesel and Gasoline Range Organics (DRO and GRO) analysis per Environmental Protection Agency (EPA) Method 8015, volatile and Risk-Based semi-volatile organics analysis per EPA Methods 8260, 8270, and Massachusetts Department of Environmental Protection (MADEP) Extractable and Volatile Petroleum Hydrocarbons (EPH and VPH) analysis.

5.4 QUALITY CONTROL MEASURES

New disposable gloves were used for each sampling event. Undisturbed soil samples were collected by hand from the excavator bucket and packed directly into new laboratory provided glassware.

All samples were placed into appropriate sample jars (provided by the laboratory) with Teflon[®] lid liners, labeled with the site location, date and time, initials of person collecting sample, sample identification number, depth of sample, and tests required. Samples were then placed on ice in a cooler and maintained at approximately 4° Celsius during storage and transport to the laboratory. A temperature blank and trip blank were preserved in the cooler along with the site samples. A Chain-of-Custody form was maintained from the point of sampling until delivery to the laboratory.

No duplicate samples were submitted for laboratory analysis. According to the attached laboratory report (see Appendix C), the sample results are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards and analytical quality control data is

available upon request.

6.0 RESULTS

The soil excavation confirmation soil samples TT-2139-B-8.5, TT-2139-1, TT-2139-2, TT-2139-3, and TT-2139-4 did not reveal any detectable TPH concentrations above the laboratory reporting limits or Risk-Based contaminants of concern above the lowest corresponding MSCCs. Only the TT-2139-B-8.5 soil sample revealed any detectable concentrations. The TT-2139-B-8.5 sample results indicated 4.6 ug/kg of p-Isopropyltoluene and there is no established MSCC for p-Isopropyltoluene. The p-Isopropyltoluene compound is also known as 4-Isopropyltoluene, Cymene or p-Cymene and is a naturally occurring Aromatic organic compound with the molecular formula $C_{10}H_{14}$. A standards comparison can be made with the C_9 - C_{22} Aromatic hydrocarbon fraction since both structures are based on the Aromatic Benzene ring and there are ten carbon atoms in the compound. The detected 4-Isopropyltoluene concentration of 4.6 ug/kg is well below the C_9 - C_{22} Aromatic hydrocarbon fraction Soil-to-Groundwater (lowest) MSCC of 34,000 ug/kg.

Analytical results also reported 4.8 ug/kg of Naphthalene, well below the Soil-to-Groundwater (lowest) MSCCs of 580 ug/kg. No other parameters were detected in any of the soil excavation confirmation samples.

The complete laboratory analytical report is provided in Appendix C. The TPH analysis results are summarized on Table 4. The Risk-Based analysis results per EPA Methods 8260 and 8270 are summarized on Tables 5 and 6, respectively. The MADEP EPH and VPH are summarized on Table 7 and the combined MADEP results as compared to the NCDENR MSCCs are provided on Table 8.

Certificates of disposal for the USTs, fluids, and soils were not provided by the disposal facilities at the time of this report. It is assumed that the UST was nearly full of water and approximately 550-gallons were removed and properly disposed by EMD, RCRS at Building 977. Based on a 550-gallon, four (4) foot by six (6) tank with a volume of approximately 75 cubic feet (2.77 yards³) and an excavation measuring 15 feet by 15 feet by 8.5 feet deep (70.8 yards³), roughly 68 yards³ or 102 tons of soil were removed during UST TT-2139 closure and excavation activities.

7.0 CONCLUSION AND RECOMMENDATIONS

A non-commercial, non-regulated 550-gallon home heating oil UST at TT-2139 that may have leaked, has been removed and properly disposed along with potentially petroleum impacted soils. Petroleum odors and elevated PID soil headspace screening results in soils around the tank may have been the result of a leaking UST system or historical tank overfills. No TPH concentrations were detected in the soil removal confirmation excavation sidewall samples (4) or the floor sample. No

Risk-Based contaminants of concern were revealed in any soil sample results above the lowest corresponding MSCCs. Groundwater was not encountered during tank removal or soil excavation activities.

Based on the soil sample collected beneath the tank and samples collected from each of the four (4) sidewalls, no residual contamination or potential secondary source of contamination remains at the site. Therefore, no further action and site closure is requested for the former UST TT-2139 site.

8.0 LIMITATIONS

This report is based on the agreed work scope and a review of available data from limited sampling. It is possible that this investigation may have failed to reveal the presence of contamination on the subject site where such contamination may exist. Although accepted methods appropriate for soil sampling were reported by others, CATLIN cannot guarantee that additional soil and/or groundwater contamination does not exist.

TABLES

TABLE 1**SITE HISTORY - UST OWNER AND OPERATOR INFORMATION**

Incident Name and No.: TT-2139 - Pending

UST ID Number	Name of Owner or Operator	Dates of Ownership/Operation	Owner or Operator?
TT-2139	Commanding Officer Marine Corps Base Camp Lejeune, NC	Unknown to 10/28/2009	Owner / Operator
Address (Owner / Operator)		Telephone Number (Owner / Operator)	
PSC 20004 Marine Corps Base, Camp Lejeune, 28542		(910) 451-5068	

TABLE 2
SITE HISTORY - UST SYSTEM AND RELEASE INFORMATION

Incident Name and No.: TT-2139 - Pending

UST ID Number	Last Contents	Previous Contents	Capacity (gallons)	Construction Details	Tank Dimensions	Description of Associated Piping	Date Installed	Status of UST	Was Release Associated With UST System?
TT-2139	Heating Oil	Heating Oil	550	Unknown Steel	4' x 6'	Copper	Unknown	Removed - 10/28/2009	Yes (assumed)

TABLE 3**PUBLIC AND PRIVATE WATER SUPPLY WELL AND OTHER RECEPTOR INFORMATION**

Incident Name and No.: TT-2139 - Pending

Well #	Well Owner/User (indicate which)	Address	Phone Number	Well Use	Well Depth (ft. BLS)	Type of Well	Well Casing Depth (ft. BLS)	Well Screen Interval (x to y ft. BLS)	Distance from source area of release (ft.)	Up or Down Gradient
None	Not Applicable									

ft. BLS = feet below land surface

Receptor ID	Description	Location	Contact	Phone Number	Usage	Up or Down Gradient	Distance from source area of release (ft.)
Surface Water	Unnamed Stream	North-northwest	Commanding Officer PSC 20004 MCB, Camp Lejeune, 28542	(910) 451-5068	None	Up Gradient	450
Surface Water	Unnamed Stream	North	Commanding Officer PSC 20004 MCB, Camp Lejeune, 28542	(910) 451-5068	None	Up Gradient	700

TABLE 4
SUMMARY OF SOIL LABORATORY RESULTS
EPA METHOD 8015

Incident Name and No.: TT-2139 - Pending

Sample ID	Contaminant of Concern →		Gasoline Range Organics	Diesel Range Organics
	Date Collected	Sample Depth (ft. BLS)		
NCDENR Action Level (mg/kg)			10	10
TT-2139-1	10/28/2009	5	BRL	9.8
TT-2139-2	10/28/2009	5	BRL	BRL
TT-2139-3	10/29/2009	5	BRL	BRL
TT-2139-4	10/28/2009	5	BRL	BRL
TT-2139-B-8.5	10/29/2009	8.5	BRL	BRL

All results in milligrams per kilogram (mg/kg).

BRL = Below Reporting Limit

ft. BLS = Feet Below Land Surface

TABLE 5
SUMMARY OF SOIL LABORATORY RESULTS
EPA METHOD 8260

Incident Name and No.: TT-2139 - Pending

Sample ID	Contaminant of Concern →		p-Isopropyltoluene	Naphthalene	All Other EPA Method 8260 Parameters
	Date Collected	Sample Depth (ft. BLS)			
Residential MSCC (ug/kg)			NE	313,000	Varies
Industrial/Commercial MSCC (ug/kg)			NE	8,176,000	Varies
Soil to Groundwater MSCC (ug/kg)			NE	580	Varies
TT-2139-1	10/28/2009	5	<7.4	<7.4	BRL
TT-2139-2	10/28/2009	5	<4.7	<4.7	BRL
TT-2139-3	10/29/2009	5	<4.1	<4.1	BRL
TT-2139-4	10/28/2009	5	<4.7	<4.7	BRL
TT-2139-B-8.5	10/29/2009	8.5	4.6	4.8	BRL

All results in micrograms per kilogram (ug/kg).

MSCC = Maximum Soil Contaminant Concentration

BRL = Below Reporting Limit

NE = None Established

ft. BLS = Feet Below Land Surface

< = Less than reporting limit

TABLE 6
SUMMARY OF SOIL LABORATORY RESULTS
EPA METHOD 8270

Incident Name and No.: TT-2139 - Pending

Sample ID	Contaminant of Concern →		All EPA Method 8270 Parameters
	Date Collected	Sample Depth (ft. BLS)	
Residential MSCC Industrial/Commercial MSCC Soil to Groundwater MSCC			Varies Varies Varies
TT-2139-1	10/28/2009	5	BRL
TT-2139-2	10/28/2009	5	BRL
TT-2139-3	10/29/2009	5	BRL
TT-2139-4	10/28/2009	5	BRL
TT-2139-B-8.5	10/29/2009	8.5	BRL

BRL = Below Reporting Limit

ft. BLS = Feet Below Land Surface

MSCC = Maximum Soil Contaminant Concentration

TABLE 7
SUMMARY OF SOIL LABORATORY RESULTS
MADEP EPH/VPH

Incident Name and No.: TT-2139 - Pending

Sample ID	Contaminant of Concern 		C9-C18 Aliphatics	C19-C36 Aliphatics	C11-C22 Aromatics	C5-C8 Aliphatics	C9-C12 Aliphatics	C9-C10 Aromatics
	Date Collected	Sample Depth (ft. BLS)						
TT-2139-1	10/28/2009	5	<12.7	<12.7	<12.7	<10.8	<10.8	<10.8
TT-2139-2	10/28/2009	5	<12.1	<12.1	<12.1	<8.9	<8.9	<8.9
TT-2139-3	10/29/2009	5	<12.8	<12.8	<12.8	<10.2	<10.2	<10.2
TT-2139-4	10/28/2009	5	<12.3	<12.3	<12.3	<9.0	<9.0	<9.0
TT-2139-B-8.5	10/29/2009	8.5	<11.7	<11.7	<11.7	<9.7	<9.7	<9.7

All results in milligrams per kilogram (mg/kg).

ft. BLS = Feet Below Land Surface

< = Less than reporting limit

TABLE 8
SUMMARY OF SOIL LABORATORY RESULTS
MADEP EPH/VPH AS COMPARED TO NCDENR MSCCs

Incident Name and No.: TT-2139 - Pending

Sample ID	Contaminant of Concern →		C5-C8 Aliphatics	C9-C18 Aliphatics	C19-C36 Aliphatics	C9-C22 Aromatics
	Date Collected	Sample Depth (ft. BLS)				
Residential MSCC (mg/kg)			939	9,386	93,860	469
Industrial/Commercial MSCC (mg/kg)			24,528	245,280	#	12,264
Soil to Groundwater MSCC (mg/kg)			72	3,300	##	34
TT-2139-1	10/28/2009	5	<10.8	<23.5	<12.7	<23.5
TT-2139-2	10/28/2009	5	<8.9	<21	<12.1	<21
TT-2139-3	10/29/2009	5	<10.2	<23	<12.8	<23
TT-2139-4	10/28/2009	5	<9.0	<21.3	<12.3	<21.3
TT-2139-B-8.5	10/29/2009	8.5	<9.7	<21.4	<11.7	<21.4

All results in milligrams per kilogram (mg/kg).

ft. BLS = Feet Below Land Surface

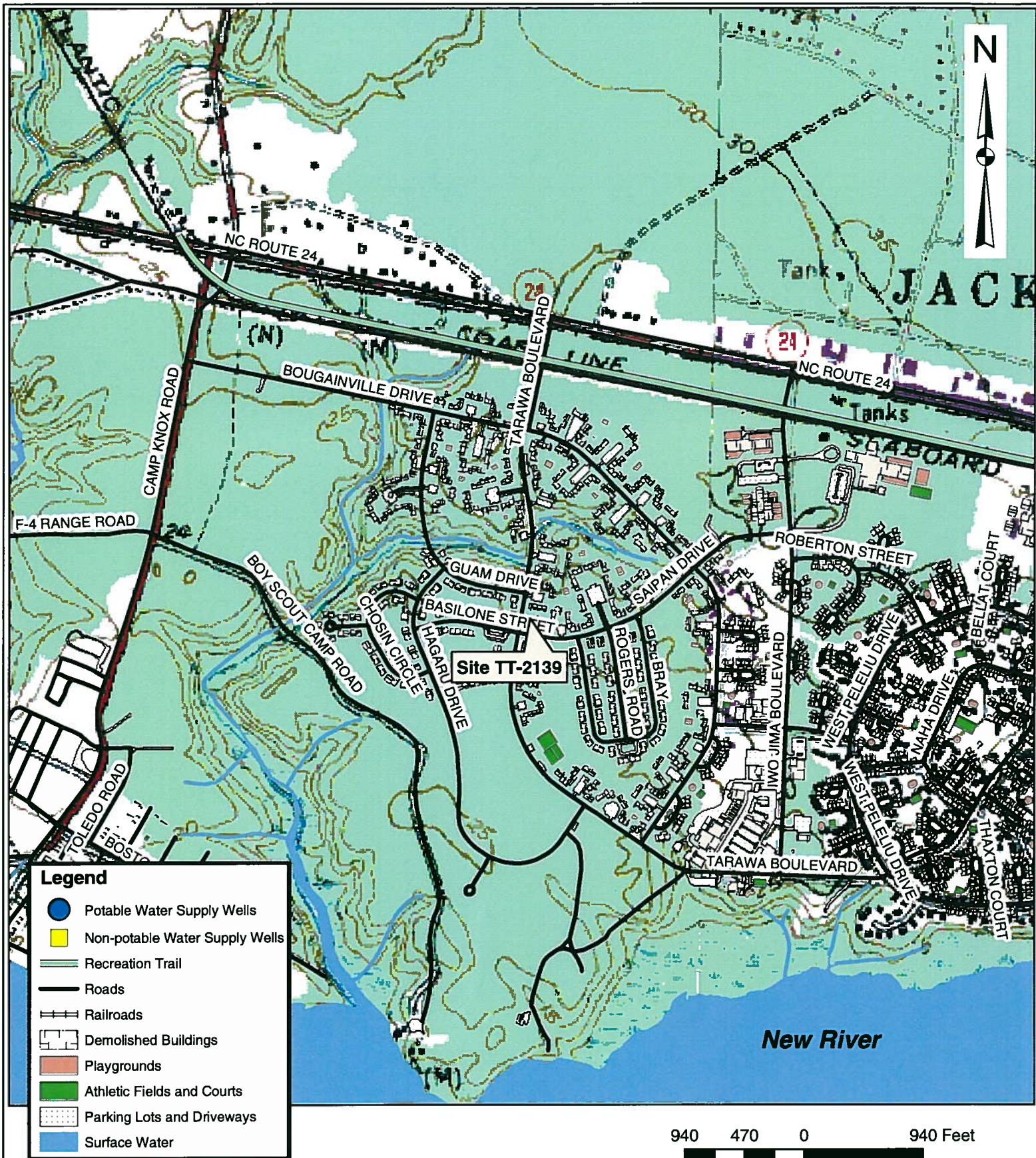
< = Less than reporting limit

MSCC = Maximum Soil Contaminant Concentration

= Health based level (> 100%)

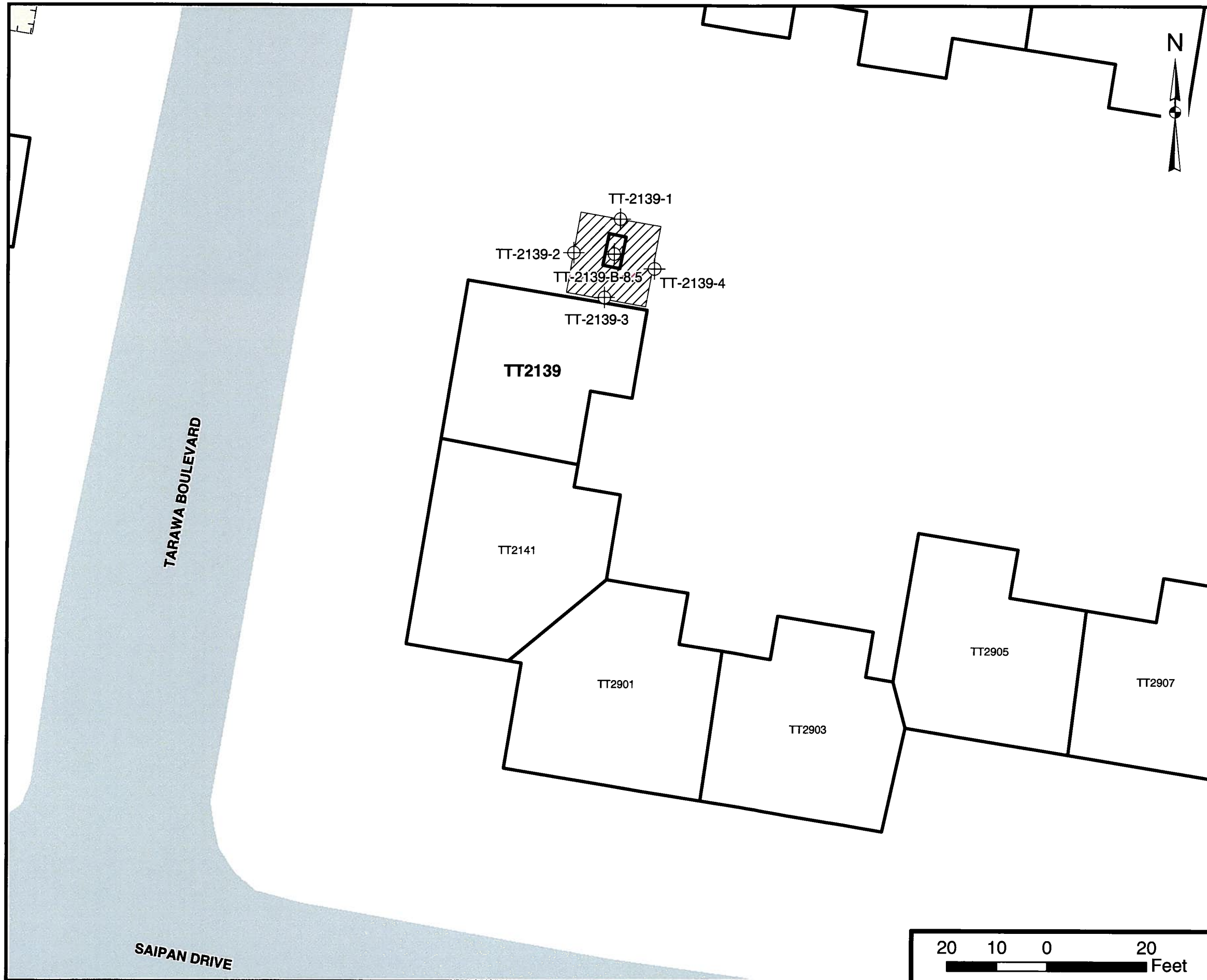
= Considered Immobile

FIGURES



Data Sources: Data Layers provided by MCB Camp Lejeune GIS Office.

 CATLIN Engineers and Scientists P.O. Box 10279 Wilmington, NC 28404-0279 (910) 452-5861 NC Engineering License No.: C-0585	PROJECT		TITLE			FIGURE			
	SITE TT-2139 IAA REPORT MARINE CORPS BASE CAMP LEJEUNE, NC		SITE VICINITY MAP			1			
	JOB NO.	209-025	DATE	DEC 2009	SCALE			AS SHOWN	DRAWN BY



**SITE TT-2139
IAA REPORT
MARINE CORPS BASE
CAMP LEJEUNE, NC**



LEGEND

- | | |
|-----------------------|--------------------------|
| Tank Excavation Area | Buildings and Structures |
| Former UST | Slabs |
| Soil Sample Locations | Driveways |
| | Parking Lots |
| | Woods |

NOTES

1. Data layers provided by MCB Camp Lejeune GIS office.



**SITE MAP WITH
SOIL SAMPLE LOCATIONS**

FIGURE

2

Job No.: 209-025	Date: DEC 2009	Scale: AS SHOWN	Drawn By: THW	Checked By: BA
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**SITE TT-2139
IAA REPORT
MARINE CORPS BASE
CAMP LEJEUNE, NC**



LEGEND

- Buildings and Structures
- Slabs
- Driveways
- Parking Lots
- Woods

NOTES

1. Data layers provided by MCB Camp Lejeune GIS office.



**SITE MAP WITH
POTENTIAL RECEPTORS**

FIGURE

3

Job No.: 209-025	Date: DEC 2009	Scale: AS SHOWN	Drawn By: THW	Checked By: BA
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APPENDICES

APPENDIX A

UST-61 – 24-HOUR RELEASE AND UST LEAK REPORTING FORM

UST-61**24-Hour Release and UST Leak Reporting Form.****For Releases
in NC**

This form should be completed and submitted to the UST Section's regional office following a known or suspected release from an underground storage tank (UST) system. This form is required to be submitted within 24 hours of discovery of a known or suspected release

(DWM USE-ONLY)
Incident # _____ Risk (H,I,L,U) _____
Received On _____ Received By _____
Reported by (circle one): Phone, Fax or Report
Region _____

Suspected Contamination? (Y/N) Y
Confirmed GW Contamination? (Y/N) N
Confirmed Soil Contamination? (Y/N) Y
Samples Taken? (Y/N) Y
Free Product? (Y/N) N If Yes, State Greatest
Thickness _____

Facility ID Number _____
Date Leak Discovered 10/28/09
Comm. Non-Commercial?
Reg. Non-regulated?

INCIDENT DESCRIPTION

Incident Name: TT-2139 Tank Removal

Address: TT-2139 Tarawa Terrace Blvd

County: Onslow

City/Town: Camp Lejeune

Zip Code: 28542

Regional Office (circle one): Asheville, Mooresville, Fayetteville,
Raleigh, Washington, Wilmington, Winston-Salem

Latitude (decimal degrees): 77 22' 45.11"W Longitude (decimal degrees): 34 44' 11.03" N

Briefly describe suspected or confirmed release: (including but not limited to: nature of release, date of release, amount of release, amount of free product present and recovery efforts, initial responses conducted, impacts to receptors)

Type of release: #2 Heating Oil. Date/Amount of release

unknown. Samples taken per UST Guidelines. All samples

were below NC DENR action levels. No impacts to receptors

suspected. Proposed no further action and site closure.

UST-12 Report to follow.

Obtained by:

☐ GPS

☐ Topographic map

☒ GIS Address matching

☐ Other

☐ Unknown

Describe location:

HOW RELEASE WAS DISCOVERED (Release Code)

(Check one)

☐ Release Detection Equipment or Methods

☒ During UST Closure/Removal

☐ Property Transfer

☐ Visual/Odor

☐ Water in Tank

☐ Water Supply Well Contamination

☐ Groundwater Contamination

☐ Surface Water Contamination

☐ Other (specify) _____

SOURCE OF CONTAMINATION**Source of Release**

(Check one to indicate primary source)

☒ Tank

☐ Piping

☐ Dispenser

☐ Submersible Turbine Pump

☐ Delivery Problem

☐ Other

☐ Unknown

Cause of Release

(Check one to indicate primary cause)

☐ Spill

☐ Overfill

☐ Corrosion

☐ Physical or Mechanical
Damage

☐ Install Problem

☐ Other

☒ Unknown

Type of Release

(Check one)

☒ Petroleum

☐ Non-Petroleum

☐ Both

Location

(Check one)

☐ Facility

☒ Residence

☐ Other

Product Type Released

(Check one to indicate primary product type released)

☐ Gasoline/ Diesel/
Kerosene

☒ Heating Oil

☐ Other Petroleum
Products

☐ Metals

☐ Other Inorganics

☐ Other Organics

☐ Diesel/Veg. Oil
Blend

☐ Vegetable Oil 100%

☐ E10 - E20

☐ E21 - E84

☐ E85 - E99

☐ Ethanol 100%

☐ E01 - E09

Definitions presented on reverse

Definitions presented on reverse

Ownership

1. Municipal 2. Military 3. Unknown 4. Private 5. Federal 6. County 7. State

Operation Type

1. Public Service 2. Agricultural 3. Residential 4. Education/Relig. 5. Industrial 6. Commercial 7. Mining

IMPACT ON DRINKING WATER SUPPLIES

Water Supply Wells Affected? 1. Yes 2. **(No)** 3. Unknown

Number of Water Supply Wells Affected _____

Water Supply Wells Contaminated: *(Include Users Names, Addresses and Phone Numbers. Attach additional sheet if necessary)*

- 1.
- 2.
- 3.

UST SYSTEM OWNER

UST Owner/Company
Commanding Officer, Marine Corps Base, Camp Lejeune

Point of Contact Bruce Markwick		Address Bldg 12, Post Lane	
City Camp Lejeune	State NC	Zip Code 28542	Telephone Number 910 451-9660

UST SYSTEM OPERATOR

UST Operator/Company Same as above		Address	
City	State	Zip Code	Telephone Number

LANDOWNER AT LOCATION OF UST INCIDENT

Landowner Same as above		Address	
City	State	Zip Code	Telephone Number

Draw Sketch of Area (showing two major road intersections) or Attach Map

SEE ATTACHED

Person Reporting Incident Bruce Markwick	Company Environmental Management Division	Telephone Number 910 451-9660
Title Environmental Protection Specialist	Address Bldg 12 Post Lane	Date 12/14/2009

UST Form 61 (02/08)

Page 2 of 2

Definitions of Sources

Tank: means the tank that stores the product and is part of the underground storage tank system

Piping: means the piping and connectors running from the tank or submersible turbine pump to the dispenser or other end-use equipment (Vent, vapor recovery, or fill lines are excluded.)

Dispenser: includes the dispenser and the equipment used to connect the dispenser to the piping (e.g., a release from a suction pump or from components located above the shear valve)

Submersible Turbine Pump (STP) Area includes the submersible turbine pump head (typically located in the tank sump), the line leak detector, and the piping that connects the submersible turbine pump to the tank

Delivery Problem: identifies releases that occurred during product delivery to the tank. (Typical causes associated with this source are spills and overfills.)

Other: serves as the option to use when the release source is known but does not fit into one of the preceding categories (e.g., for releases from vent lines, vapor recovery lines, and fill lines)

Unknown: identifies releases for which the source has not been determined

Definitions of Causes

Spill: use this cause when a spill occurs (e.g., when the delivery hose is disconnected from the tank fill pipe or when the nozzle is removed from the dispenser)

Overfill: use when an overfill occurs (e.g., overfills may occur from the fill pipe at the tank or when the nozzle fails to shut off at the dispenser)

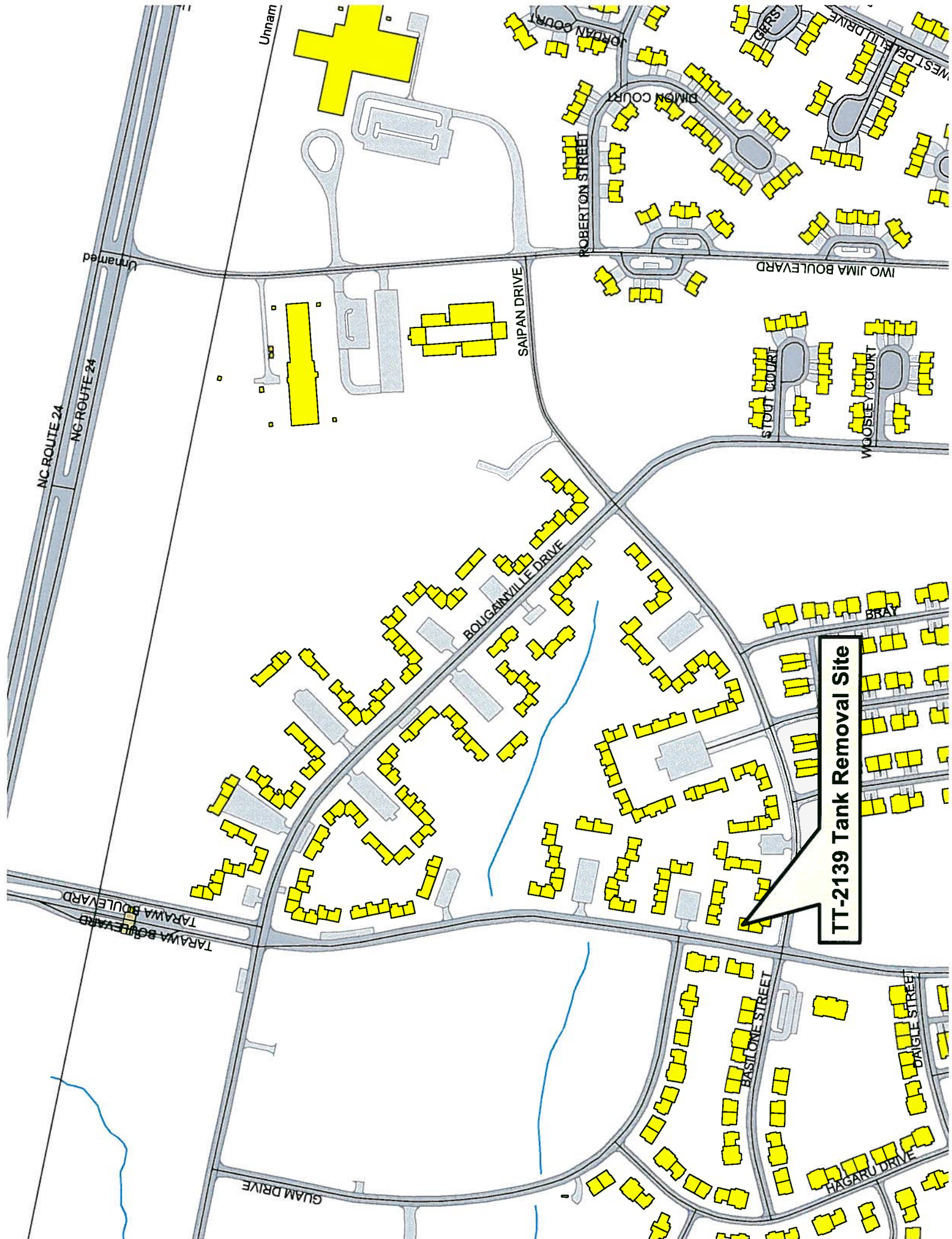
Physical or Mechanical Damage: use for all types of physical or mechanical damage, except corrosion (e.g., puncture of tank or piping, loose fittings, broken components, and components that have changed dimension)

Corrosion: use when a metal tank, piping, or other component has a release due to corrosion (e.g., for steel, corrosion takes the form of rust)

Installation Problem: use when the problem is determined to have occurred specifically because the UST system was not installed properly

Other: use this option when the cause is known but does not fit into one of the preceding categories (e.g., putting regulated substances into monitoring wells)

Unknown: use when the cause has not been determined



TT-2139 Tank Removal Site

APPENDIX B

UST-2 – SITE INVESTIGATION REPORT FOR PERMANENT CLOSURE OF UST

UST-2 Site Investigation Report for Permanent Closure or Change-in-Service of UST

Return completed form to:

The DWM Regional Office located in the area where the facility is located. Send a copy to the Central Office in Raleigh so that the status of the tank may be changed to "PERMANENTLY CLOSED" and your tank fee account can be closed out. SEE MAP ON THE BACK OF THIS FORM FOR THE CENTRAL AND REGIONAL OFFICE ADDRESSES.

STATE USE ONLY:

I.D. # _____

Date Received _____

INSTRUCTIONS (READ THIS FIRST)

For more than five UST systems you may attach additional forms as needed.

Permanent closure – For permanent closure, complete all sections of this form.

Change-in-service – For change-in-service where UST systems will be converted from containing a regulated substance to storing a non-regulated substance, complete sections I, II, III, IV, and VIII

Effective February 1, 1995, all UST closure/change-in-service reports must be submitted in the format provided in the UST-12 form. UST closure and change-in-services must be completed in accordance with the latest version of the *Guidelines for Tank Closure*. A copy of the UST-12 form and the *Guidelines for Tank Closure* can be obtained at www.wastenotnc.org.

You must make sure that USTs removed from your property are disposed of properly. When choosing a closure contractor, ask where the tank(s) will be taken for disposal. Usually, USTs are cleaned and cut up for scrap metal. This is dangerous work and must be performed by a qualified company. Tanks disposed of illegally in fields or other dumpsites can leak petroleum products and sludge into the environment. If your tanks are disposed of improperly, you could be held responsible for the cleanup of any environmental damage that occurs.

NOTE: If a release from the tank(s) has occurred, the site assessment portion of the tank closure must be conducted under the supervision of a P.E. or L.G., with all closure site assessment reports bearing the signature and seal of the P.E. or L.G.

I. OWNERSHIP OF TANKS				II. LOCATION OF TANKS			
Owner Name (Corporation, Individual, Public Agency, or Other Entity) Commanding Officer Marine Corps Base				Facility Name or Company Tarawa Terrace Housing			
Street Address PSC 20004				Facility ID # (If known) N/A			
City MCB Camp Lejeune		County Onslow		Street Address TT-2139 Tarawa Terrace Blvd.			
State NC		Zip Code 28542-0004		City MCB Camp Lejeune		County Onslow	Zip Code 28542
Phone Number 910-451-5068				Phone Number None			

III. CONTACT PERSONNEL

Contact for Facility: Bruce Markwick		Job Title: Environmental Protection Specialist		Phone. No: 910-451-9660	
Closure Contractor Name: Rob Finley		Closure Contractor Company: TMS		Address: Laydown Area-Gas House Rd Cherry Pt	
Primary Consultant Name: Michael E. Mason, PE		Primary Consultant Company: CATLIN		Address: 220 Old Dairy Rd.-Wilmington, NC	
				Phone. No: 910-452-5861	

IV. UST INFORMATION FOR REGISTERED UST SYSTEMS							V. EXCAVATION CONDITION					
Tank ID No.	Size in Gallons	Tank Dimensions	Last Contents	Last Use Date	Permanent Close Date	Change-in-Service Date	Water in excavation		Free product		Notable odor or visible soil contamination	
							Yes	No	Yes	No	Yes	No
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐

VI. UST INFORMATION FOR UNREGISTERED UST SYSTEMS							VII. EXCAVATION CONDITION					
Tank ID No.	Size in Gallons	Tank Dimensions	Last Contents	Last Use Date	Permanent Close Date	Tank Owner Name *	Water in excavation		Free product		Notable odor or visible soil contamination	
							Yes	No	Yes	No	Yes	No
1	550	4' x 6'	Heating Oil	Unknown	10/28/09	See Above	☐	☒	☐	☒	☒	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐

* If the tank owner address is different from the one listed in Section I., then enter the street address, city, state, zip code and telephone no. below:

VIII. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true accurate and complete.

Print name and official title of owner or owner's authorized representative
Bruce Markwick, MCB Camp Lejeune Environmental Specialist, Project Manager

Signature

Date Signed

APPENDIX C

LABORATORY REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION

November 19, 2009

Rob Finley
MEC Corp.
1305 Lejeune Blvd
Jacksonville, NC 28540

RE: Project: TT-II Tank Yank
Pace Project No.: 9256476

Dear Rob Finley:

Enclosed are the analytical results for sample(s) received by the laboratory on October 30, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Ashley Nifong

ashley.nifong@pacelabs.com
Project Manager

Enclosures

cc: Mike Rohrer, MEC Corp.

REPORT OF LABORATORY ANALYSIS

Page 1 of 93

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Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kinsey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Charlotte Certification IDs

9800 Kinsey Ave. - Ste 100 Huntersville, NC 28078
Connecticut Certification #: PH-0104
Virginia Certification #: 00213
Tennessee Certification #: 04010
South Carolina Drinking Water Cert. #: 990060003
South Carolina Certification #: 990060001
Pennsylvania Certification #: 68-00784
North Carolina Wastewater Certification #: 12

North Carolina Field Services Certification #: 5342
North Carolina Drinking Water Certification #: 37706
New Jersey Certification #: NC012
Louisiana/LELAP Certification #: 04034
Kentucky UST Certification #: 84
Florida/NELAP Certification #: E87627
West Virginia Certification #: 357

REPORT OF LABORATORY ANALYSIS

Page 2 of 93

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SAMPLE ANALYTE COUNT

Project: TT-II Tank Yank
Pace Project No.: 9256476

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9256476001	TT-2969-1	ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	DHW, JAC	4	PASI-C
		EPA 8260	DLK	71	PASI-C
		MADEP EPH	JAC	7	PASI-C
		MADEP VPH	DHW	5	PASI-C
9256476002	TT-2969-3	ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	DHW, JAC	4	PASI-C
		EPA 8260	DLK	71	PASI-C
		MADEP EPH	JAC	7	PASI-C
		MADEP VPH	DHW	5	PASI-C
9256476003	TT-2969-B-9.5	ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	CAH, DHW	4	PASI-C
		EPA 8260	DLK	71	PASI-C
		MADEP EPH	JAC	7	PASI-C
		MADEP VPH	DHW	5	PASI-C
9256476004	TT-2111-1	ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	DHW, JAC	4	PASI-C
		EPA 8260	DLK	71	PASI-C
		MADEP EPH	JAC	7	PASI-C
		MADEP VPH	DHW	5	PASI-C
9256476005	TT-2111-4	ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	DHW, JAC	4	PASI-C
		EPA 8260	DLK	71	PASI-C
		MADEP EPH	JAC	7	PASI-C
		MADEP VPH	DHW	5	PASI-C
9256476006	TT-2111-2	ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	DHW, JAC	4	PASI-C
		EPA 8260	DLK	71	PASI-C
		MADEP EPH	JAC	7	PASI-C
		MADEP VPH	DHW	5	PASI-C
9256476007	TT-2111-3	ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	DHW, JAC	4	PASI-C
		EPA 8260	DLK	71	PASI-C
		MADEP EPH	JAC	7	PASI-C
		MADEP VPH	DHW	5	PASI-C
9256476008	TT-2111-B-6	ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	DHW, JAC	4	PASI-C

REPORT OF LABORATORY ANALYSIS

Page 3 of 93

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SAMPLE ANALYTE COUNT

Project: TT-II Tank Yank
Pace Project No.: 9256476

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9256476009	TT-2129-1	EPA 8260	DLK	71	PASI-C
		MADEP EPH	RES	7	PASI-C
		MADEP VPH	DHW	5	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	DHW, JAC	4	PASI-C
		EPA 8260	DLK	71	PASI-C
9256476010	TT-2129-4	MADEP EPH	JAC	7	PASI-C
		MADEP VPH	DHW	5	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	DHW, JAC	4	PASI-C
		EPA 8260	DLK	71	PASI-C
		MADEP EPH	JAC	7	PASI-C
9256476011	TT-2129-3	MADEP VPH	DHW	5	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	DHW, JAC	4	PASI-C
		EPA 8260	DLK	71	PASI-C
		MADEP EPH	JAC	7	PASI-C
		MADEP VPH	DHW	5	PASI-C
9256476012	TT-2129-2	ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	DHW, RES	4	PASI-C
		EPA 8260	DLK	71	PASI-C
		MADEP EPH	JAC	7	PASI-C
		MADEP VPH	DHW	5	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
9256476013	TT-2129-B-9	EPA 8015 Modified	DHW, JAC	4	PASI-C
		EPA 8260	DLK	71	PASI-C
		MADEP EPH	JAC	7	PASI-C
		MADEP VPH	DHW	5	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	DHW, JAC	4	PASI-C
9256476014	TT-2139-1	EPA 8260	DLK	71	PASI-C
		MADEP EPH	JAC	7	PASI-C
		MADEP VPH	DHW	5	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	DHW, JAC	4	PASI-C
		EPA 8260	DLK	71	PASI-C
9256476015	TT-2139-2	MADEP EPH	JAC	7	PASI-C
		MADEP VPH	DHW	5	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	DHW, JAC	4	PASI-C
		EPA 8260	DLK	71	PASI-C
		MADEP EPH	JAC	7	PASI-C

REPORT OF LABORATORY ANALYSIS

Page 4 of 93

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SAMPLE ANALYTE COUNT

Project: TT-II Tank Yank
Pace Project No.: 9256476

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9256476016	TT-2139-4	MADEP VPH	DHW	5	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	DHW, JAC	4	PASI-C
		EPA 8260	DLK	71	PASI-C
		MADEP EPH	RES	7	PASI-C
9256476017	TT-2139-3	MADEP VPH	DHW	5	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	DHW, JAC	4	PASI-C
		EPA 8260	DLK	71	PASI-C
		MADEP EPH	RES	7	PASI-C
9256476018	TT-2139-B-8.5	MADEP VPH	DHW	5	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	DHW, JAC	4	PASI-C
		EPA 8260	DLK	71	PASI-C
		MADEP EPH	RES	7	PASI-C
9256476019	TT-2969-2	MADEP VPH	DHW	5	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	DHW, JAC	4	PASI-C
		EPA 8260	DLK	71	PASI-C
		MADEP EPH	RES	7	PASI-C
9256476020	TT-2969-4	MADEP VPH	DHW	5	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	DHW, JAC	4	PASI-C
		EPA 8260	DLK	71	PASI-C
		MADEP EPH	RES	7	PASI-C
		MADEP VPH	DHW	5	PASI-C

REPORT OF LABORATORY ANALYSIS

Page 5 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2969-1 **Lab ID:** 9256476001 **Collected:** 10/29/09 13:20 **Received:** 10/30/09 12:55 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND	mg/kg	6.2	1	11/02/09 16:00	11/04/09 01:58	68334-30-5	
n-Pentacosane (S)	50	%	50-135	1	11/02/09 16:00	11/04/09 01:58	629-99-2	
MADEP EPH NC Soil								
Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND	mg/kg	12.4	1	11/03/09 10:45	11/06/09 22:37		
Aliphatic (C19-C36)	ND	mg/kg	12.4	1	11/03/09 10:45	11/06/09 22:37		
Aromatic (C11-C22)	ND	mg/kg	12.4	1	11/03/09 10:45	11/09/09 16:51		
Nonatriacontane (S)	62	%	40-140	1	11/03/09 10:45	11/06/09 22:37	7194-86-7	
o-Terphenyl (S)	83	%	40-140	1	11/03/09 10:45	11/09/09 16:51	84-15-1	
2-Fluorobiphenyl (S)	102	%	40-140	1	11/03/09 10:45	11/09/09 16:51	321-60-8	
2-Bromonaphthalene (S)	104	%	40-140	1	11/03/09 10:45	11/09/09 16:51	580-13-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND	mg/kg	5.3	1	11/05/09 07:16	11/09/09 01:47	8006-61-9	
4-Bromofluorobenzene (S)	129	%	50-135	1	11/05/09 07:16	11/09/09 01:47	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND	mg/kg	8.8	1	11/05/09 07:49	11/06/09 04:05		
Aliphatic (C09-C12)	ND	mg/kg	8.8	1	11/05/09 07:49	11/06/09 04:05		
Aromatic (C09-C10)	ND	mg/kg	8.8	1	11/05/09 07:49	11/06/09 04:05		
2,5-Dibromotoluene (PID)(S)	99	%	70-130	1	11/05/09 07:49	11/06/09 04:05		
2,5-Dibromotoluene (FID)(S)	101	%	70-130	1	11/05/09 07:49	11/06/09 04:05		
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND	ug/kg	92.1	1		11/05/09 02:43	67-64-1	
Benzene	ND	ug/kg	4.6	1		11/05/09 02:43	71-43-2	
Bromobenzene	ND	ug/kg	4.6	1		11/05/09 02:43	108-86-1	
Bromochloromethane	ND	ug/kg	4.6	1		11/05/09 02:43	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1		11/05/09 02:43	75-27-4	
Bromoform	ND	ug/kg	4.6	1		11/05/09 02:43	75-25-2	
Bromomethane	ND	ug/kg	9.2	1		11/05/09 02:43	74-83-9	
2-Butanone (MEK)	ND	ug/kg	92.1	1		11/05/09 02:43	78-93-3	
n-Butylbenzene	ND	ug/kg	4.6	1		11/05/09 02:43	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.6	1		11/05/09 02:43	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.6	1		11/05/09 02:43	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.6	1		11/05/09 02:43	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1		11/05/09 02:43	108-90-7	
Chloroethane	ND	ug/kg	9.2	1		11/05/09 02:43	75-00-3	
Chloroform	ND	ug/kg	4.6	1		11/05/09 02:43	67-66-3	
Chloromethane	ND	ug/kg	9.2	1		11/05/09 02:43	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.6	1		11/05/09 02:43	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.6	1		11/05/09 02:43	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.6	1		11/05/09 02:43	96-12-8	
Dibromochloromethane	ND	ug/kg	4.6	1		11/05/09 02:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1		11/05/09 02:43	106-93-4	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 6 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2969-1 Lab ID: 9256476001 Collected: 10/29/09 13:20 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromomethane	ND	ug/kg	4.6	1		11/05/09 02:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1		11/05/09 02:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1		11/05/09 02:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1		11/05/09 02:43	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.2	1		11/05/09 02:43	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1		11/05/09 02:43	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	1		11/05/09 02:43	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1		11/05/09 02:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1		11/05/09 02:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1		11/05/09 02:43	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1		11/05/09 02:43	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.6	1		11/05/09 02:43	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.6	1		11/05/09 02:43	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.6	1		11/05/09 02:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1		11/05/09 02:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1		11/05/09 02:43	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.6	1		11/05/09 02:43	108-20-3	
Ethylbenzene	ND	ug/kg	4.6	1		11/05/09 02:43	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	1		11/05/09 02:43	87-68-3	
2-Hexanone	ND	ug/kg	46.1	1		11/05/09 02:43	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1		11/05/09 02:43	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1		11/05/09 02:43	99-87-6	
Methylene Chloride	ND	ug/kg	18.4	1		11/05/09 02:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	46.1	1		11/05/09 02:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1		11/05/09 02:43	1634-04-4	
Naphthalene	ND	ug/kg	4.6	1		11/05/09 02:43	91-20-3	
n-Propylbenzene	ND	ug/kg	4.6	1		11/05/09 02:43	103-65-1	
Styrene	ND	ug/kg	4.6	1		11/05/09 02:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1		11/05/09 02:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1		11/05/09 02:43	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1		11/05/09 02:43	127-18-4	
Toluene	ND	ug/kg	4.6	1		11/05/09 02:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	1		11/05/09 02:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1		11/05/09 02:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1		11/05/09 02:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1		11/05/09 02:43	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1		11/05/09 02:43	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	1		11/05/09 02:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	1		11/05/09 02:43	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1		11/05/09 02:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1		11/05/09 02:43	108-67-8	
Vinyl acetate	ND	ug/kg	46.1	1		11/05/09 02:43	108-05-4	
Vinyl chloride	ND	ug/kg	9.2	1		11/05/09 02:43	75-01-4	
Xylene (Total)	ND	ug/kg	9.2	1		11/05/09 02:43	1330-20-7	
m&p-Xylene	ND	ug/kg	9.2	1		11/05/09 02:43	1330-20-7	
o-Xylene	ND	ug/kg	4.6	1		11/05/09 02:43	95-47-6	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 7 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2969-1 Lab ID: 9256476001 Collected: 10/29/09 13:20 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromofluoromethane (S)	95 %		79-116	1		11/05/09 02:43	1868-53-7	
Toluene-d8 (S)	99 %		88-110	1		11/05/09 02:43	2037-26-5	
4-Bromofluorobenzene (S)	102 %		74-115	1		11/05/09 02:43	460-00-4	
1,2-Dichloroethane-d4 (S)	98 %		69-121	1		11/05/09 02:43	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	19.6 %		0.10	1		11/03/09 17:07		

ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2969-3 **Lab ID:** 9256476002 **Collected:** 10/29/09 14:30 **Received:** 10/30/09 12:55 **Matrix:** Solid
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND	mg/kg	6.5	1	11/02/09 16:00	11/04/09 01:58	68334-30-5	
n-Pentacosane (S)	60	%	50-135	1	11/02/09 16:00	11/04/09 01:58	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND	mg/kg	12.9	1	11/03/09 10:45	11/06/09 23:10		
Aliphatic (C19-C36)	ND	mg/kg	12.9	1	11/03/09 10:45	11/06/09 23:10		
Aromatic (C11-C22)	ND	mg/kg	12.9	1	11/03/09 10:45	11/09/09 17:25		
Nonatriacontane (S)	135	%	40-140	1	11/03/09 10:45	11/06/09 23:10	7194-86-7	
o-Terphenyl (S)	71	%	40-140	1	11/03/09 10:45	11/09/09 17:25	84-15-1	
2-Fluorobiphenyl (S)	85	%	40-140	1	11/03/09 10:45	11/09/09 17:25	321-60-8	
2-Bromonaphthalene (S)	87	%	40-140	1	11/03/09 10:45	11/09/09 17:25	580-13-2	
Gasoline Range Organics Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND	mg/kg	6.1	1	11/05/09 07:16	11/09/09 02:35	8006-61-9	
4-Bromofluorobenzene (S)	123	%	50-135	1	11/05/09 07:16	11/09/09 02:35	460-00-4	
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND	mg/kg	10.2	1	11/05/09 07:49	11/06/09 04:29		
Aliphatic (C09-C12)	ND	mg/kg	10.2	1	11/05/09 07:49	11/06/09 04:29		
Aromatic (C09-C10)	ND	mg/kg	10.2	1	11/05/09 07:49	11/06/09 04:29		
2,5-Dibromotoluene (PID)(S)	95	%	70-130	1	11/05/09 07:49	11/06/09 04:29		
2,5-Dibromotoluene (FID)(S)	99	%	70-130	1	11/05/09 07:49	11/06/09 04:29		
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Acetone	ND	ug/kg	95.0	1		11/05/09 03:01	67-64-1	
Benzene	ND	ug/kg	4.8	1		11/05/09 03:01	71-43-2	
Bromobenzene	ND	ug/kg	4.8	1		11/05/09 03:01	108-86-1	
Bromochloromethane	ND	ug/kg	4.8	1		11/05/09 03:01	74-97-5	
Bromodichloromethane	ND	ug/kg	4.8	1		11/05/09 03:01	75-27-4	
Bromoform	ND	ug/kg	4.8	1		11/05/09 03:01	75-25-2	
Bromomethane	ND	ug/kg	9.5	1		11/05/09 03:01	74-83-9	
2-Butanone (MEK)	ND	ug/kg	95.0	1		11/05/09 03:01	78-93-3	
n-Butylbenzene	ND	ug/kg	4.8	1		11/05/09 03:01	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.8	1		11/05/09 03:01	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.8	1		11/05/09 03:01	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.8	1		11/05/09 03:01	56-23-5	
Chlorobenzene	ND	ug/kg	4.8	1		11/05/09 03:01	108-90-7	
Chloroethane	ND	ug/kg	9.5	1		11/05/09 03:01	75-00-3	
Chloroform	ND	ug/kg	4.8	1		11/05/09 03:01	67-66-3	
Chloromethane	ND	ug/kg	9.5	1		11/05/09 03:01	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.8	1		11/05/09 03:01	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.8	1		11/05/09 03:01	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.8	1		11/05/09 03:01	96-12-8	
Dibromochloromethane	ND	ug/kg	4.8	1		11/05/09 03:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.8	1		11/05/09 03:01	106-93-4	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 9 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2969-3 Lab ID: 9256476002 Collected: 10/29/09 14:30 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromomethane	ND	ug/kg	4.8	1		11/05/09 03:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.8	1		11/05/09 03:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.8	1		11/05/09 03:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.8	1		11/05/09 03:01	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.5	1		11/05/09 03:01	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.8	1		11/05/09 03:01	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.8	1		11/05/09 03:01	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.8	1		11/05/09 03:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.8	1		11/05/09 03:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.8	1		11/05/09 03:01	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.8	1		11/05/09 03:01	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.8	1		11/05/09 03:01	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.8	1		11/05/09 03:01	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.8	1		11/05/09 03:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.8	1		11/05/09 03:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.8	1		11/05/09 03:01	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.8	1		11/05/09 03:01	108-20-3	
Ethylbenzene	ND	ug/kg	4.8	1		11/05/09 03:01	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.8	1		11/05/09 03:01	87-68-3	
2-Hexanone	ND	ug/kg	47.5	1		11/05/09 03:01	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.8	1		11/05/09 03:01	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.8	1		11/05/09 03:01	99-87-6	
Methylene Chloride	ND	ug/kg	19.0	1		11/05/09 03:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	47.5	1		11/05/09 03:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.8	1		11/05/09 03:01	1634-04-4	
Naphthalene	ND	ug/kg	4.8	1		11/05/09 03:01	91-20-3	
n-Propylbenzene	ND	ug/kg	4.8	1		11/05/09 03:01	103-65-1	
Styrene	ND	ug/kg	4.8	1		11/05/09 03:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.8	1		11/05/09 03:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	1		11/05/09 03:01	79-34-5	
Tetrachloroethene	ND	ug/kg	4.8	1		11/05/09 03:01	127-18-4	
Toluene	ND	ug/kg	4.8	1		11/05/09 03:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	1		11/05/09 03:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	1		11/05/09 03:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.8	1		11/05/09 03:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.8	1		11/05/09 03:01	79-00-5	
Trichloroethene	ND	ug/kg	4.8	1		11/05/09 03:01	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.8	1		11/05/09 03:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.8	1		11/05/09 03:01	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.8	1		11/05/09 03:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.8	1		11/05/09 03:01	108-67-8	
Vinyl acetate	ND	ug/kg	47.5	1		11/05/09 03:01	108-05-4	
Vinyl chloride	ND	ug/kg	9.5	1		11/05/09 03:01	75-01-4	
Xylene (Total)	ND	ug/kg	9.5	1		11/05/09 03:01	1330-20-7	
m&p-Xylene	ND	ug/kg	9.5	1		11/05/09 03:01	1330-20-7	
o-Xylene	ND	ug/kg	4.8	1		11/05/09 03:01	95-47-6	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 10 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2969-3 **Lab ID:** 9256476002 **Collected:** 10/29/09 14:30 **Received:** 10/30/09 12:55 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromofluoromethane (S)	98 %		79-116	1		11/05/09 03:01	1868-53-7	
Toluene-d8 (S)	98 %		88-110	1		11/05/09 03:01	2037-26-5	
4-Bromofluorobenzene (S)	100 %		74-115	1		11/05/09 03:01	460-00-4	
1,2-Dichloroethane-d4 (S)	100 %		69-121	1		11/05/09 03:01	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	22.7 %		0.10	1		11/03/09 17:07		

ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2969-B-9.5 Lab ID: 9256476003 Collected: 10/29/09 14:00 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	9560	mg/kg	285	50	11/02/09 16:00	11/04/09 10:13	68334-30-5	
n-Pentacosane (S)	0	%	50-135	50	11/02/09 16:00	11/04/09 10:13	629-99-2	S4
MADEP EPH NC Soil								
Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	6420	mg/kg	2280	200	11/03/09 10:45	11/09/09 15:11		
Aliphatic (C19-C36)	1980	mg/kg	1140	100	11/03/09 10:45	11/09/09 14:38		
Aromatic (C11-C22)	2250	mg/kg	569	50	11/03/09 10:45	11/09/09 17:58		
Nonatriacontane (S)	0	%	40-140	100	11/03/09 10:45	11/09/09 14:38	7194-86-7	S4
o-Terphenyl (S)	0	%	40-140	50	11/03/09 10:45	11/09/09 17:58	84-15-1	S4
2-Fluorobiphenyl (S)	0	%	40-140	50	11/03/09 10:45	11/09/09 17:58	321-60-8	S4
2-Bromonaphthalene (S)	0	%	40-140	50	11/03/09 10:45	11/09/09 17:58	580-13-2	S4
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	191	mg/kg	112	20	11/05/09 07:16	11/09/09 03:24	8006-61-9	
4-Bromofluorobenzene (S)	104	%	50-135	20	11/05/09 07:16	11/09/09 03:24	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND	mg/kg	9.3	1	11/05/09 07:49	11/06/09 04:54		
Aliphatic (C09-C12)	251	mg/kg	9.3	1	11/05/09 07:49	11/06/09 04:54		
Aromatic (C09-C10)	103	mg/kg	9.3	1	11/05/09 07:49	11/06/09 04:54		
2,5-Dibromotoluene (PID)(S)	124	%	70-130	1	11/05/09 07:49	11/06/09 04:54		
2,5-Dibromotoluene (FID)(S)	199	%	70-130	1	11/05/09 07:49	11/06/09 04:54		S5
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND	ug/kg	4180	50		11/05/09 06:40	67-64-1	
Benzene	ND	ug/kg	209	50		11/05/09 06:40	71-43-2	
Bromobenzene	ND	ug/kg	209	50		11/05/09 06:40	108-86-1	
Bromochloromethane	ND	ug/kg	209	50		11/05/09 06:40	74-97-5	
Bromodichloromethane	ND	ug/kg	209	50		11/05/09 06:40	75-27-4	
Bromoform	ND	ug/kg	209	50		11/05/09 06:40	75-25-2	
Bromomethane	ND	ug/kg	418	50		11/05/09 06:40	74-83-9	
2-Butanone (MEK)	ND	ug/kg	4180	50		11/05/09 06:40	78-93-3	
n-Butylbenzene	4630	ug/kg	209	50		11/05/09 06:40	104-51-8	
sec-Butylbenzene	3350	ug/kg	209	50		11/05/09 06:40	135-98-8	
tert-Butylbenzene	ND	ug/kg	209	50		11/05/09 06:40	98-06-6	
Carbon tetrachloride	ND	ug/kg	209	50		11/05/09 06:40	56-23-5	
Chlorobenzene	ND	ug/kg	209	50		11/05/09 06:40	108-90-7	
Chloroethane	ND	ug/kg	418	50		11/05/09 06:40	75-00-3	
Chloroform	ND	ug/kg	209	50		11/05/09 06:40	67-66-3	
Chloromethane	ND	ug/kg	418	50		11/05/09 06:40	74-87-3	
2-Chlorotoluene	ND	ug/kg	209	50		11/05/09 06:40	95-49-8	
4-Chlorotoluene	ND	ug/kg	209	50		11/05/09 06:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	209	50		11/05/09 06:40	96-12-8	
Dibromochloromethane	ND	ug/kg	209	50		11/05/09 06:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	209	50		11/05/09 06:40	106-93-4	

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REPORT OF LABORATORY ANALYSIS

Page 12 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2969-B-9.5 Lab ID: 9256476003 Collected: 10/29/09 14:00 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromomethane	ND	ug/kg	209	50		11/05/09 06:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	209	50		11/05/09 06:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	209	50		11/05/09 06:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	209	50		11/05/09 06:40	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	418	50		11/05/09 06:40	75-71-8	
1,1-Dichloroethane	ND	ug/kg	209	50		11/05/09 06:40	75-34-3	
1,2-Dichloroethane	ND	ug/kg	209	50		11/05/09 06:40	107-06-2	
1,1-Dichloroethene	ND	ug/kg	209	50		11/05/09 06:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	209	50		11/05/09 06:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	209	50		11/05/09 06:40	156-60-5	
1,2-Dichloropropane	ND	ug/kg	209	50		11/05/09 06:40	78-87-5	
1,3-Dichloropropane	ND	ug/kg	209	50		11/05/09 06:40	142-28-9	
2,2-Dichloropropane	ND	ug/kg	209	50		11/05/09 06:40	594-20-7	
1,1-Dichloropropene	ND	ug/kg	209	50		11/05/09 06:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	209	50		11/05/09 06:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	209	50		11/05/09 06:40	10061-02-6	
Diisopropyl ether	ND	ug/kg	209	50		11/05/09 06:40	108-20-3	
Ethylbenzene	3230	ug/kg	209	50		11/05/09 06:40	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	209	50		11/05/09 06:40	87-68-3	
2-Hexanone	ND	ug/kg	2090	50		11/05/09 06:40	591-78-6	
Isopropylbenzene (Cumene)	1870	ug/kg	209	50		11/05/09 06:40	98-82-8	
p-Isopropyltoluene	6780	ug/kg	209	50		11/05/09 06:40	99-87-6	
Methylene Chloride	ND	ug/kg	835	50		11/05/09 06:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	2090	50		11/05/09 06:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	209	50		11/05/09 06:40	1634-04-4	
Naphthalene	24500	ug/kg	2090	500		11/05/09 13:28	91-20-3	
n-Propylbenzene	3850	ug/kg	209	50		11/05/09 06:40	103-65-1	
Styrene	ND	ug/kg	209	50		11/05/09 06:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	209	50		11/05/09 06:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	209	50		11/05/09 06:40	79-34-5	
Tetrachloroethene	ND	ug/kg	209	50		11/05/09 06:40	127-18-4	
Toluene	ND	ug/kg	209	50		11/05/09 06:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	209	50		11/05/09 06:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	209	50		11/05/09 06:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	209	50		11/05/09 06:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	209	50		11/05/09 06:40	79-00-5	
Trichloroethene	ND	ug/kg	209	50		11/05/09 06:40	79-01-6	
Trichlorofluoromethane	ND	ug/kg	209	50		11/05/09 06:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	209	50		11/05/09 06:40	96-18-4	
1,2,4-Trimethylbenzene	30900	ug/kg	2090	500		11/05/09 13:28	95-63-6	
1,3,5-Trimethylbenzene	9250	ug/kg	2090	500		11/05/09 13:28	108-67-8	
Vinyl acetate	ND	ug/kg	2090	50		11/05/09 06:40	108-05-4	
Vinyl chloride	ND	ug/kg	418	50		11/05/09 06:40	75-01-4	
Xylene (Total)	16100	ug/kg	418	50		11/05/09 06:40	1330-20-7	
m&p-Xylene	9760	ug/kg	418	50		11/05/09 06:40	1330-20-7	
o-Xylene	6380	ug/kg	209	50		11/05/09 06:40	95-47-6	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 13 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2969-B-9.5 Lab ID: 9256476003 Collected: 10/29/09 14:00 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromofluoromethane (S)	91 %		79-116	50		11/05/09 06:40	1868-53-7	
Toluene-d8 (S)	101 %		88-110	50		11/05/09 06:40	2037-26-5	
4-Bromofluorobenzene (S)	93 %		74-115	50		11/05/09 06:40	460-00-4	
1,2-Dichloroethane-d4 (S)	91 %		69-121	50		11/05/09 06:40	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	12.2 %		0.10	1		11/03/09 17:07		

ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2111-1 Lab ID: 9256476004 Collected: 10/30/09 08:30 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND	mg/kg	6.4	1	11/05/09 11:30	11/06/09 01:31	68334-30-5	
n-Pentacosane (S)	61	%	50-135	1	11/05/09 11:30	11/06/09 01:31	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND	mg/kg	12.8	1	11/03/09 10:45	11/07/09 00:17		
Aliphatic (C19-C36)	ND	mg/kg	12.8	1	11/03/09 10:45	11/07/09 00:17		
Aromatic (C11-C22)	ND	mg/kg	12.8	1	11/03/09 10:45	11/09/09 18:32		
Nonatriacontane (S)	72	%	40-140	1	11/03/09 10:45	11/07/09 00:17	7194-86-7	
o-Terphenyl (S)	94	%	40-140	1	11/03/09 10:45	11/09/09 18:32	84-15-1	
2-Fluorobiphenyl (S)	112	%	40-140	1	11/03/09 10:45	11/09/09 18:32	321-60-8	
2-Bromonaphthalene (S)	115	%	40-140	1	11/03/09 10:45	11/09/09 18:32	580-13-2	
Gasoline Range Organics Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND	mg/kg	7.1	1	11/05/09 07:16	11/09/09 03:48	8006-61-9	
4-Bromofluorobenzene (S)	116	%	50-135	1	11/05/09 07:16	11/09/09 03:48	460-00-4	
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND	mg/kg	11.8	1	11/05/09 07:49	11/06/09 05:18		
Aliphatic (C09-C12)	26.6	mg/kg	11.8	1	11/05/09 07:49	11/06/09 05:18		
Aromatic (C09-C10)	ND	mg/kg	11.8	1	11/05/09 07:49	11/06/09 05:18		
2,5-Dibromotoluene (PID)(S)	154	%	70-130	1	11/05/09 07:49	11/06/09 05:18		S5
2,5-Dibromotoluene (FID)(S)	230	%	70-130	1	11/05/09 07:49	11/06/09 05:18		S5
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Acetone	ND	ug/kg	108	1		11/05/09 03:20	67-64-1	
Benzene	ND	ug/kg	5.4	1		11/05/09 03:20	71-43-2	
Bromobenzene	ND	ug/kg	5.4	1		11/05/09 03:20	108-86-1	
Bromochloromethane	ND	ug/kg	5.4	1		11/05/09 03:20	74-97-5	
Bromodichloromethane	ND	ug/kg	5.4	1		11/05/09 03:20	75-27-4	
Bromoform	ND	ug/kg	5.4	1		11/05/09 03:20	75-25-2	
Bromomethane	ND	ug/kg	10.8	1		11/05/09 03:20	74-83-9	
2-Butanone (MEK)	ND	ug/kg	108	1		11/05/09 03:20	78-93-3	
n-Butylbenzene	ND	ug/kg	5.4	1		11/05/09 03:20	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.4	1		11/05/09 03:20	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.4	1		11/05/09 03:20	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.4	1		11/05/09 03:20	56-23-5	
Chlorobenzene	ND	ug/kg	5.4	1		11/05/09 03:20	108-90-7	
Chloroethane	ND	ug/kg	10.8	1		11/05/09 03:20	75-00-3	
Chloroform	ND	ug/kg	5.4	1		11/05/09 03:20	67-66-3	
Chloromethane	ND	ug/kg	10.8	1		11/05/09 03:20	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.4	1		11/05/09 03:20	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.4	1		11/05/09 03:20	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.4	1		11/05/09 03:20	96-12-8	
Dibromochloromethane	ND	ug/kg	5.4	1		11/05/09 03:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.4	1		11/05/09 03:20	106-93-4	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 15 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2111-1 Lab ID: 9256476004 Collected: 10/30/09 08:30 Received: 10/30/09 12:55 Matrix: Solid
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromomethane	ND	ug/kg	5.4	1		11/05/09 03:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.4	1		11/05/09 03:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.4	1		11/05/09 03:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.4	1		11/05/09 03:20	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.8	1		11/05/09 03:20	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.4	1		11/05/09 03:20	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.4	1		11/05/09 03:20	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.4	1		11/05/09 03:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.4	1		11/05/09 03:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.4	1		11/05/09 03:20	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.4	1		11/05/09 03:20	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.4	1		11/05/09 03:20	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.4	1		11/05/09 03:20	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.4	1		11/05/09 03:20	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.4	1		11/05/09 03:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.4	1		11/05/09 03:20	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.4	1		11/05/09 03:20	108-20-3	
Ethylbenzene	ND	ug/kg	5.4	1		11/05/09 03:20	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.4	1		11/05/09 03:20	87-68-3	
2-Hexanone	ND	ug/kg	54.1	1		11/05/09 03:20	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.4	1		11/05/09 03:20	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.4	1		11/05/09 03:20	99-87-6	
Methylene Chloride	ND	ug/kg	21.6	1		11/05/09 03:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	54.1	1		11/05/09 03:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.4	1		11/05/09 03:20	1634-04-4	
Naphthalene	ND	ug/kg	5.4	1		11/05/09 03:20	91-20-3	
n-Propylbenzene	ND	ug/kg	5.4	1		11/05/09 03:20	103-65-1	
Styrene	ND	ug/kg	5.4	1		11/05/09 03:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.4	1		11/05/09 03:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.4	1		11/05/09 03:20	79-34-5	
Tetrachloroethene	ND	ug/kg	5.4	1		11/05/09 03:20	127-18-4	
Toluene	ND	ug/kg	5.4	1		11/05/09 03:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.4	1		11/05/09 03:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.4	1		11/05/09 03:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.4	1		11/05/09 03:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.4	1		11/05/09 03:20	79-00-5	
Trichloroethene	ND	ug/kg	5.4	1		11/05/09 03:20	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.4	1		11/05/09 03:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.4	1		11/05/09 03:20	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.4	1		11/05/09 03:20	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.4	1		11/05/09 03:20	108-67-8	
Vinyl acetate	ND	ug/kg	54.1	1		11/05/09 03:20	108-05-4	
Vinyl chloride	ND	ug/kg	10.8	1		11/05/09 03:20	75-01-4	
Xylene (Total)	ND	ug/kg	10.8	1		11/05/09 03:20	1330-20-7	
m&p-Xylene	ND	ug/kg	10.8	1		11/05/09 03:20	1330-20-7	
o-Xylene	ND	ug/kg	5.4	1		11/05/09 03:20	95-47-6	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 16 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2111-1 **Lab ID:** 9256476004 **Collected:** 10/30/09 08:30 **Received:** 10/30/09 12:55 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromofluoromethane (S)	103 %		79-116	1		11/05/09 03:20	1868-53-7	
Toluene-d8 (S)	100 %		88-110	1		11/05/09 03:20	2037-26-5	
4-Bromofluorobenzene (S)	102 %		74-115	1		11/05/09 03:20	460-00-4	
1,2-Dichloroethane-d4 (S)	96 %		69-121	1		11/05/09 03:20	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	21.9 %		0.10	1		11/03/09 17:07		

ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2111-4 Lab ID: 9256476005 Collected: 10/30/09 08:50 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		5.8	1	11/05/09 11:30	11/06/09 01:31	68334-30-5	
n-Pentacosane (S)	63 %		50-135	1	11/05/09 11:30	11/06/09 01:31	629-99-2	
MADEP EPH NC Soil								
Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		11.7	1	11/03/09 10:45	11/07/09 00:50		
Aliphatic (C19-C36)	ND mg/kg		11.7	1	11/03/09 10:45	11/07/09 00:50		
Aromatic (C11-C22)	ND mg/kg		11.7	1	11/03/09 10:45	11/09/09 19:05		
Nonatriacontane (S)	84 %		40-140	1	11/03/09 10:45	11/07/09 00:50	7194-86-7	
o-Terphenyl (S)	73 %		40-140	1	11/03/09 10:45	11/09/09 19:05	84-15-1	
2-Fluorobiphenyl (S)	90 %		40-140	1	11/03/09 10:45	11/09/09 19:05	321-60-8	
2-Bromonaphthalene (S)	92 %		40-140	1	11/03/09 10:45	11/09/09 19:05	580-13-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		5.0	1	11/05/09 07:16	11/09/09 04:12	8006-61-9	
4-Bromofluorobenzene (S)	91 %		50-135	1	11/05/09 07:16	11/09/09 04:12	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		8.3	1	11/05/09 07:49	11/06/09 05:42		
Aliphatic (C09-C12)	ND mg/kg		8.3	1	11/05/09 07:49	11/06/09 05:42		
Aromatic (C09-C10)	ND mg/kg		8.3	1	11/05/09 07:49	11/06/09 05:42		
2,5-Dibromotoluene (PID)(S)	114 %		70-130	1	11/05/09 07:49	11/06/09 05:42		
2,5-Dibromotoluene (FID)(S)	123 %		70-130	1	11/05/09 07:49	11/06/09 05:42		
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND ug/kg		84.6	1		11/05/09 03:38	67-64-1	
Benzene	ND ug/kg		4.2	1		11/05/09 03:38	71-43-2	
Bromobenzene	ND ug/kg		4.2	1		11/05/09 03:38	108-86-1	
Bromochloromethane	ND ug/kg		4.2	1		11/05/09 03:38	74-97-5	
Bromodichloromethane	ND ug/kg		4.2	1		11/05/09 03:38	75-27-4	
Bromoform	ND ug/kg		4.2	1		11/05/09 03:38	75-25-2	
Bromomethane	ND ug/kg		8.5	1		11/05/09 03:38	74-83-9	
2-Butanone (MEK)	ND ug/kg		84.6	1		11/05/09 03:38	78-93-3	
n-Butylbenzene	ND ug/kg		4.2	1		11/05/09 03:38	104-51-8	
sec-Butylbenzene	ND ug/kg		4.2	1		11/05/09 03:38	135-98-8	
tert-Butylbenzene	ND ug/kg		4.2	1		11/05/09 03:38	98-06-6	
Carbon tetrachloride	ND ug/kg		4.2	1		11/05/09 03:38	56-23-5	
Chlorobenzene	ND ug/kg		4.2	1		11/05/09 03:38	108-90-7	
Chloroethane	ND ug/kg		8.5	1		11/05/09 03:38	75-00-3	
Chloroform	ND ug/kg		4.2	1		11/05/09 03:38	67-66-3	
Chloromethane	ND ug/kg		8.5	1		11/05/09 03:38	74-87-3	
2-Chlorotoluene	ND ug/kg		4.2	1		11/05/09 03:38	95-49-8	
4-Chlorotoluene	ND ug/kg		4.2	1		11/05/09 03:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		4.2	1		11/05/09 03:38	96-12-8	
Dibromochloromethane	ND ug/kg		4.2	1		11/05/09 03:38	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.2	1		11/05/09 03:38	106-93-4	

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REPORT OF LABORATORY ANALYSIS

Page 18 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

Sample: TT-2111-4 Lab ID: 9256476005 Collected: 10/30/09 08:50 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromomethane	ND	ug/kg	4.2	1		11/05/09 03:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.2	1		11/05/09 03:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.2	1		11/05/09 03:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.2	1		11/05/09 03:38	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.5	1		11/05/09 03:38	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.2	1		11/05/09 03:38	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.2	1		11/05/09 03:38	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.2	1		11/05/09 03:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.2	1		11/05/09 03:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.2	1		11/05/09 03:38	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.2	1		11/05/09 03:38	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.2	1		11/05/09 03:38	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.2	1		11/05/09 03:38	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.2	1		11/05/09 03:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.2	1		11/05/09 03:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.2	1		11/05/09 03:38	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.2	1		11/05/09 03:38	108-20-3	
Ethylbenzene	ND	ug/kg	4.2	1		11/05/09 03:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.2	1		11/05/09 03:38	87-68-3	
2-Hexanone	ND	ug/kg	42.3	1		11/05/09 03:38	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.2	1		11/05/09 03:38	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.2	1		11/05/09 03:38	99-87-6	
Methylene Chloride	ND	ug/kg	16.9	1		11/05/09 03:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	42.3	1		11/05/09 03:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.2	1		11/05/09 03:38	1634-04-4	
Naphthalene	ND	ug/kg	4.2	1		11/05/09 03:38	91-20-3	
n-Propylbenzene	ND	ug/kg	4.2	1		11/05/09 03:38	103-65-1	
Styrene	ND	ug/kg	4.2	1		11/05/09 03:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.2	1		11/05/09 03:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.2	1		11/05/09 03:38	79-34-5	
Tetrachloroethene	ND	ug/kg	4.2	1		11/05/09 03:38	127-18-4	
Toluene	ND	ug/kg	4.2	1		11/05/09 03:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.2	1		11/05/09 03:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.2	1		11/05/09 03:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.2	1		11/05/09 03:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.2	1		11/05/09 03:38	79-00-5	
Trichloroethene	ND	ug/kg	4.2	1		11/05/09 03:38	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.2	1		11/05/09 03:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.2	1		11/05/09 03:38	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.2	1		11/05/09 03:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.2	1		11/05/09 03:38	108-67-8	
Vinyl acetate	ND	ug/kg	42.3	1		11/05/09 03:38	108-05-4	
Vinyl chloride	ND	ug/kg	8.5	1		11/05/09 03:38	75-01-4	
Xylene (Total)	ND	ug/kg	8.5	1		11/05/09 03:38	1330-20-7	
m&p-Xylene	ND	ug/kg	8.5	1		11/05/09 03:38	1330-20-7	
o-Xylene	ND	ug/kg	4.2	1		11/05/09 03:38	95-47-6	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 19 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2111-4 **Lab ID:** 9256476005 **Collected:** 10/30/09 08:50 **Received:** 10/30/09 12:55 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromofluoromethane (S)	103 %		79-116	1		11/05/09 03:38	1868-53-7	
Toluene-d8 (S)	99 %		88-110	1		11/05/09 03:38	2037-26-5	
4-Bromofluorobenzene (S)	101 %		74-115	1		11/05/09 03:38	460-00-4	
1,2-Dichloroethane-d4 (S)	95 %		69-121	1		11/05/09 03:38	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	14.4 %		0.10	1		11/03/09 17:07		

ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2111-2 Lab ID: 9256476006 Collected: 10/30/09 09:25 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		5.8	1	11/05/09 11:30	11/06/09 02:00	68334-30-5	
n-Pentacosane (S)	62 %		50-135	1	11/05/09 11:30	11/06/09 02:00	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		11.6	1	11/03/09 10:45	11/07/09 01:23		
Aliphatic (C19-C36)	ND mg/kg		11.6	1	11/03/09 10:45	11/07/09 01:23		
Aromatic (C11-C22)	ND mg/kg		11.6	1	11/03/09 10:45	11/09/09 19:38		
Nonatriacontane (S)	51 %		40-140	1	11/03/09 10:45	11/07/09 01:23	7194-86-7	
o-Terphenyl (S)	66 %		40-140	1	11/03/09 10:45	11/09/09 19:38	84-15-1	
2-Fluorobiphenyl (S)	81 %		40-140	1	11/03/09 10:45	11/09/09 19:38	321-60-8	
2-Bromonaphthalene (S)	84 %		40-140	1	11/03/09 10:45	11/09/09 19:38	580-13-2	
Gasoline Range Organics Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		7.0	1	11/05/09 07:16	11/09/09 04:36	8006-61-9	
4-Bromofluorobenzene (S)	119 %		50-135	1	11/05/09 07:16	11/09/09 04:36	460-00-4	
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		11.6	1	11/05/09 07:49	11/06/09 06:07		
Aliphatic (C09-C12)	ND mg/kg		11.6	1	11/05/09 07:49	11/06/09 06:07		
Aromatic (C09-C10)	ND mg/kg		11.6	1	11/05/09 07:49	11/06/09 06:07		
2,5-Dibromotoluene (PID)(S)	112 %		70-130	1	11/05/09 07:49	11/06/09 06:07		
2,5-Dibromotoluene (FID)(S)	127 %		70-130	1	11/05/09 07:49	11/06/09 06:07		
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Acetone	ND ug/kg		95.0	1		11/05/09 03:56	67-64-1	
Benzene	ND ug/kg		4.8	1		11/05/09 03:56	71-43-2	
Bromobenzene	ND ug/kg		4.8	1		11/05/09 03:56	108-86-1	
Bromochloromethane	ND ug/kg		4.8	1		11/05/09 03:56	74-97-5	
Bromodichloromethane	ND ug/kg		4.8	1		11/05/09 03:56	75-27-4	
Bromoform	ND ug/kg		4.8	1		11/05/09 03:56	75-25-2	
Bromomethane	ND ug/kg		9.5	1		11/05/09 03:56	74-83-9	
2-Butanone (MEK)	ND ug/kg		95.0	1		11/05/09 03:56	78-93-3	
n-Butylbenzene	ND ug/kg		4.8	1		11/05/09 03:56	104-51-8	
sec-Butylbenzene	ND ug/kg		4.8	1		11/05/09 03:56	135-98-8	
tert-Butylbenzene	ND ug/kg		4.8	1		11/05/09 03:56	98-06-6	
Carbon tetrachloride	ND ug/kg		4.8	1		11/05/09 03:56	56-23-5	
Chlorobenzene	ND ug/kg		4.8	1		11/05/09 03:56	108-90-7	
Chloroethane	ND ug/kg		9.5	1		11/05/09 03:56	75-00-3	
Chloroform	ND ug/kg		4.8	1		11/05/09 03:56	67-66-3	
Chloromethane	ND ug/kg		9.5	1		11/05/09 03:56	74-87-3	
2-Chlorotoluene	ND ug/kg		4.8	1		11/05/09 03:56	95-49-8	
4-Chlorotoluene	ND ug/kg		4.8	1		11/05/09 03:56	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		4.8	1		11/05/09 03:56	96-12-8	
Dibromochloromethane	ND ug/kg		4.8	1		11/05/09 03:56	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.8	1		11/05/09 03:56	106-93-4	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 21 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

Sample: TT-2111-2 Lab ID: 9256476006 Collected: 10/30/09 09:25 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromomethane	ND	ug/kg	4.8	1		11/05/09 03:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.8	1		11/05/09 03:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.8	1		11/05/09 03:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.8	1		11/05/09 03:56	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.5	1		11/05/09 03:56	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.8	1		11/05/09 03:56	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.8	1		11/05/09 03:56	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.8	1		11/05/09 03:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.8	1		11/05/09 03:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.8	1		11/05/09 03:56	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.8	1		11/05/09 03:56	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.8	1		11/05/09 03:56	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.8	1		11/05/09 03:56	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.8	1		11/05/09 03:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.8	1		11/05/09 03:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.8	1		11/05/09 03:56	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.8	1		11/05/09 03:56	108-20-3	
Ethylbenzene	ND	ug/kg	4.8	1		11/05/09 03:56	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.8	1		11/05/09 03:56	87-68-3	
2-Hexanone	ND	ug/kg	47.5	1		11/05/09 03:56	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.8	1		11/05/09 03:56	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.8	1		11/05/09 03:56	99-87-6	
Methylene Chloride	ND	ug/kg	19.0	1		11/05/09 03:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	47.5	1		11/05/09 03:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.8	1		11/05/09 03:56	1634-04-4	
Naphthalene	ND	ug/kg	4.8	1		11/05/09 03:56	91-20-3	
n-Propylbenzene	ND	ug/kg	4.8	1		11/05/09 03:56	103-65-1	
Styrene	ND	ug/kg	4.8	1		11/05/09 03:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.8	1		11/05/09 03:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	1		11/05/09 03:56	79-34-5	
Tetrachloroethene	ND	ug/kg	4.8	1		11/05/09 03:56	127-18-4	
Toluene	ND	ug/kg	4.8	1		11/05/09 03:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	1		11/05/09 03:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	1		11/05/09 03:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.8	1		11/05/09 03:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.8	1		11/05/09 03:56	79-00-5	
Trichloroethene	ND	ug/kg	4.8	1		11/05/09 03:56	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.8	1		11/05/09 03:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.8	1		11/05/09 03:56	96-18-4	
1,2,4-Trimethylbenzene	12.2	ug/kg	4.8	1		11/05/09 03:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.8	1		11/05/09 03:56	108-67-8	
Vinyl acetate	ND	ug/kg	47.5	1		11/05/09 03:56	108-05-4	
Vinyl chloride	ND	ug/kg	9.5	1		11/05/09 03:56	75-01-4	
Xylene (Total)	164	ug/kg	9.5	1		11/05/09 03:56	1330-20-7	
m&p-Xylene	52.1	ug/kg	9.5	1		11/05/09 03:56	1330-20-7	
o-Xylene	112	ug/kg	4.8	1		11/05/09 03:56	95-47-6	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 22 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2111-2 Lab ID: 9256476006 Collected: 10/30/09 09:25 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromofluoromethane (S)	95 %		79-116	1		11/05/09 03:56	1868-53-7	
Toluene-d8 (S)	95 %		88-110	1		11/05/09 03:56	2037-26-5	
4-Bromofluorobenzene (S)	102 %		74-115	1		11/05/09 03:56	460-00-4	
1,2-Dichloroethane-d4 (S)	91 %		69-121	1		11/05/09 03:56	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	13.7 %		0.10	1		11/03/09 17:08		

ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

Sample: TT-2111-3 Lab ID: 9256476007 Collected: 10/30/09 09:40 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		5.6	1	11/04/09 12:00	11/05/09 18:18	68334-30-5	
n-Pentacosane (S)	111 %		50-135	1	11/04/09 12:00	11/05/09 18:18	629-99-2	
MADEP EPH NC Soil								
Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		11.1	1	11/03/09 10:45	11/07/09 01:56		
Aliphatic (C19-C36)	ND mg/kg		11.1	1	11/03/09 10:45	11/07/09 01:56		
Aromatic (C11-C22)	ND mg/kg		11.1	1	11/03/09 10:45	11/09/09 20:12		
Nonatriacontane (S)	53 %		40-140	1	11/03/09 10:45	11/07/09 01:56	7194-86-7	
o-Terphenyl (S)	61 %		40-140	1	11/03/09 10:45	11/09/09 20:12	84-15-1	
2-Fluorobiphenyl (S)	83 %		40-140	1	11/03/09 10:45	11/09/09 20:12	321-60-8	
2-Bromonaphthalene (S)	87 %		40-140	1	11/03/09 10:45	11/09/09 20:12	580-13-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		6.0	1	11/05/09 07:16	11/09/09 05:00	8006-61-9	
4-Bromofluorobenzene (S)	101 %		50-135	1	11/05/09 07:16	11/09/09 05:00	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		10	1	11/05/09 07:49	11/06/09 06:31		
Aliphatic (C09-C12)	ND mg/kg		10	1	11/05/09 07:49	11/06/09 06:31		
Aromatic (C09-C10)	ND mg/kg		10	1	11/05/09 07:49	11/06/09 06:31		
2,5-Dibromotoluene (PID)(S)	110 %		70-130	1	11/05/09 07:49	11/06/09 06:31		
2,5-Dibromotoluene (FID)(S)	122 %		70-130	1	11/05/09 07:49	11/06/09 06:31		
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND ug/kg		86.5	1		11/05/09 04:14	67-64-1	
Benzene	ND ug/kg		4.3	1		11/05/09 04:14	71-43-2	
Bromobenzene	ND ug/kg		4.3	1		11/05/09 04:14	108-86-1	
Bromochloromethane	ND ug/kg		4.3	1		11/05/09 04:14	74-97-5	
Bromodichloromethane	ND ug/kg		4.3	1		11/05/09 04:14	75-27-4	
Bromoform	ND ug/kg		4.3	1		11/05/09 04:14	75-25-2	
Bromomethane	ND ug/kg		8.6	1		11/05/09 04:14	74-83-9	
2-Butanone (MEK)	ND ug/kg		86.5	1		11/05/09 04:14	78-93-3	
n-Butylbenzene	ND ug/kg		4.3	1		11/05/09 04:14	104-51-8	
sec-Butylbenzene	ND ug/kg		4.3	1		11/05/09 04:14	135-98-8	
tert-Butylbenzene	ND ug/kg		4.3	1		11/05/09 04:14	98-06-6	
Carbon tetrachloride	ND ug/kg		4.3	1		11/05/09 04:14	56-23-5	
Chlorobenzene	ND ug/kg		4.3	1		11/05/09 04:14	108-90-7	
Chloroethane	ND ug/kg		8.6	1		11/05/09 04:14	75-00-3	
Chloroform	ND ug/kg		4.3	1		11/05/09 04:14	67-66-3	
Chloromethane	ND ug/kg		8.6	1		11/05/09 04:14	74-87-3	
2-Chlorotoluene	ND ug/kg		4.3	1		11/05/09 04:14	95-49-8	
4-Chlorotoluene	ND ug/kg		4.3	1		11/05/09 04:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		4.3	1		11/05/09 04:14	96-12-8	
Dibromochloromethane	ND ug/kg		4.3	1		11/05/09 04:14	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.3	1		11/05/09 04:14	106-93-4	

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REPORT OF LABORATORY ANALYSIS

Page 24 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

Sample: TT-2111-3 Lab ID: 9256476007 Collected: 10/30/09 09:40 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromomethane	ND	ug/kg	4.3	1		11/05/09 04:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.3	1		11/05/09 04:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.3	1		11/05/09 04:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.3	1		11/05/09 04:14	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.6	1		11/05/09 04:14	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.3	1		11/05/09 04:14	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.3	1		11/05/09 04:14	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.3	1		11/05/09 04:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.3	1		11/05/09 04:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.3	1		11/05/09 04:14	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.3	1		11/05/09 04:14	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.3	1		11/05/09 04:14	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.3	1		11/05/09 04:14	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.3	1		11/05/09 04:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.3	1		11/05/09 04:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.3	1		11/05/09 04:14	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.3	1		11/05/09 04:14	108-20-3	
Ethylbenzene	ND	ug/kg	4.3	1		11/05/09 04:14	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.3	1		11/05/09 04:14	87-68-3	
2-Hexanone	ND	ug/kg	43.2	1		11/05/09 04:14	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.3	1		11/05/09 04:14	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.3	1		11/05/09 04:14	99-87-6	
Methylene Chloride	ND	ug/kg	17.3	1		11/05/09 04:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	43.2	1		11/05/09 04:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.3	1		11/05/09 04:14	1634-04-4	
Naphthalene	ND	ug/kg	4.3	1		11/05/09 04:14	91-20-3	
n-Propylbenzene	ND	ug/kg	4.3	1		11/05/09 04:14	103-65-1	
Styrene	ND	ug/kg	4.3	1		11/05/09 04:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.3	1		11/05/09 04:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.3	1		11/05/09 04:14	79-34-5	
Tetrachloroethene	ND	ug/kg	4.3	1		11/05/09 04:14	127-18-4	
Toluene	ND	ug/kg	4.3	1		11/05/09 04:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.3	1		11/05/09 04:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.3	1		11/05/09 04:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.3	1		11/05/09 04:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.3	1		11/05/09 04:14	79-00-5	
Trichloroethene	ND	ug/kg	4.3	1		11/05/09 04:14	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.3	1		11/05/09 04:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.3	1		11/05/09 04:14	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.3	1		11/05/09 04:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.3	1		11/05/09 04:14	108-67-8	
Vinyl acetate	ND	ug/kg	43.2	1		11/05/09 04:14	108-05-4	
Vinyl chloride	ND	ug/kg	8.6	1		11/05/09 04:14	75-01-4	
Xylene (Total)	ND	ug/kg	8.6	1		11/05/09 04:14	1330-20-7	
m&p-Xylene	ND	ug/kg	8.6	1		11/05/09 04:14	1330-20-7	
o-Xylene	ND	ug/kg	4.3	1		11/05/09 04:14	95-47-6	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 25 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2111-3 Lab ID: 9256476007 Collected: 10/30/09 09:40 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromofluoromethane (S)	96 %		79-116	1		11/05/09 04:14	1868-53-7	
Toluene-d8 (S)	99 %		88-110	1		11/05/09 04:14	2037-26-5	
4-Bromofluorobenzene (S)	100 %		74-115	1		11/05/09 04:14	460-00-4	
1,2-Dichloroethane-d4 (S)	91 %		69-121	1		11/05/09 04:14	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	10.1 %		0.10	1		11/03/09 17:08		

ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2111-B-6 Lab ID: 9256476008 Collected: 10/30/09 10:00 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	49.1 mg/kg		7.8	1	11/04/09 12:00	11/05/09 19:16	68334-30-5	
n-Pentacosane (S)	79 %		50-135	1	11/04/09 12:00	11/05/09 19:16	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		15.6	1	11/11/09 10:00	11/16/09 22:23		
Aliphatic (C19-C36)	ND mg/kg		15.6	1	11/11/09 10:00	11/16/09 22:23		
Aromatic (C11-C22)	ND mg/kg		15.6	1	11/11/09 10:00	11/17/09 10:33		
Nonatriacontane (S)	51 %		40-140	1	11/11/09 10:00	11/16/09 22:23	7194-86-7	
o-Terphenyl (S)	78 %		40-140	1	11/11/09 10:00	11/17/09 10:33	84-15-1	
2-Fluorobiphenyl (S)	107 %		40-140	1	11/11/09 10:00	11/17/09 10:33	321-60-8	
2-Bromonaphthalene (S)	116 %		40-140	1	11/11/09 10:00	11/17/09 10:33	580-13-2	
Gasoline Range Organics Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		7.2	1	11/05/09 07:16	11/09/09 05:25	8006-61-9	
4-Bromofluorobenzene (S)	117 %		50-135	1	11/05/09 07:16	11/09/09 05:25	460-00-4	
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		12.0	1	11/05/09 07:49	11/06/09 06:55		
Aliphatic (C09-C12)	ND mg/kg		12.0	1	11/05/09 07:49	11/06/09 06:55		
Aromatic (C09-C10)	ND mg/kg		12.0	1	11/05/09 07:49	11/06/09 06:55		
2,5-Dibromotoluene (PID)(S)	98 %		70-130	1	11/05/09 07:49	11/06/09 06:55		
2,5-Dibromotoluene (FID)(S)	108 %		70-130	1	11/05/09 07:49	11/06/09 06:55		
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Acetone	ND ug/kg		118	1		11/05/09 04:33	67-64-1	
Benzene	ND ug/kg		5.9	1		11/05/09 04:33	71-43-2	
Bromobenzene	ND ug/kg		5.9	1		11/05/09 04:33	108-86-1	
Bromochloromethane	ND ug/kg		5.9	1		11/05/09 04:33	74-97-5	
Bromodichloromethane	ND ug/kg		5.9	1		11/05/09 04:33	75-27-4	
Bromoform	ND ug/kg		5.9	1		11/05/09 04:33	75-25-2	
Bromomethane	ND ug/kg		11.8	1		11/05/09 04:33	74-83-9	
2-Butanone (MEK)	ND ug/kg		118	1		11/05/09 04:33	78-93-3	
n-Butylbenzene	ND ug/kg		5.9	1		11/05/09 04:33	104-51-8	
sec-Butylbenzene	ND ug/kg		5.9	1		11/05/09 04:33	135-98-8	
tert-Butylbenzene	ND ug/kg		5.9	1		11/05/09 04:33	98-06-6	
Carbon tetrachloride	ND ug/kg		5.9	1		11/05/09 04:33	56-23-5	
Chlorobenzene	ND ug/kg		5.9	1		11/05/09 04:33	108-90-7	
Chloroethane	ND ug/kg		11.8	1		11/05/09 04:33	75-00-3	
Chloroform	ND ug/kg		5.9	1		11/05/09 04:33	67-66-3	
Chloromethane	ND ug/kg		11.8	1		11/05/09 04:33	74-87-3	
2-Chlorotoluene	ND ug/kg		5.9	1		11/05/09 04:33	95-49-8	
4-Chlorotoluene	ND ug/kg		5.9	1		11/05/09 04:33	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		5.9	1		11/05/09 04:33	96-12-8	
Dibromochloromethane	ND ug/kg		5.9	1		11/05/09 04:33	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		5.9	1		11/05/09 04:33	106-93-4	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 27 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

Sample: TT-2111-B-6 Lab ID: 9256476008 Collected: 10/30/09 10:00 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromomethane	ND	ug/kg	5.9	1		11/05/09 04:33	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.9	1		11/05/09 04:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.9	1		11/05/09 04:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.9	1		11/05/09 04:33	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.8	1		11/05/09 04:33	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.9	1		11/05/09 04:33	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.9	1		11/05/09 04:33	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.9	1		11/05/09 04:33	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.9	1		11/05/09 04:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.9	1		11/05/09 04:33	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.9	1		11/05/09 04:33	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.9	1		11/05/09 04:33	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.9	1		11/05/09 04:33	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.9	1		11/05/09 04:33	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.9	1		11/05/09 04:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.9	1		11/05/09 04:33	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.9	1		11/05/09 04:33	108-20-3	
Ethylbenzene	ND	ug/kg	5.9	1		11/05/09 04:33	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.9	1		11/05/09 04:33	87-68-3	
2-Hexanone	ND	ug/kg	59.2	1		11/05/09 04:33	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.9	1		11/05/09 04:33	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.9	1		11/05/09 04:33	99-87-6	
Methylene Chloride	ND	ug/kg	23.7	1		11/05/09 04:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	59.2	1		11/05/09 04:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.9	1		11/05/09 04:33	1634-04-4	
Naphthalene	ND	ug/kg	5.9	1		11/05/09 04:33	91-20-3	
n-Propylbenzene	9.1	ug/kg	5.9	1		11/05/09 04:33	103-65-1	
Styrene	ND	ug/kg	5.9	1		11/05/09 04:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.9	1		11/05/09 04:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.9	1		11/05/09 04:33	79-34-5	
Tetrachloroethene	ND	ug/kg	5.9	1		11/05/09 04:33	127-18-4	
Toluene	ND	ug/kg	5.9	1		11/05/09 04:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.9	1		11/05/09 04:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.9	1		11/05/09 04:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.9	1		11/05/09 04:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.9	1		11/05/09 04:33	79-00-5	
Trichloroethene	ND	ug/kg	5.9	1		11/05/09 04:33	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.9	1		11/05/09 04:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.9	1		11/05/09 04:33	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.9	1		11/05/09 04:33	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.9	1		11/05/09 04:33	108-67-8	
Vinyl acetate	ND	ug/kg	59.2	1		11/05/09 04:33	108-05-4	
Vinyl chloride	ND	ug/kg	11.8	1		11/05/09 04:33	75-01-4	
Xylene (Total)	ND	ug/kg	11.8	1		11/05/09 04:33	1330-20-7	
m&p-Xylene	ND	ug/kg	11.8	1		11/05/09 04:33	1330-20-7	
o-Xylene	ND	ug/kg	5.9	1		11/05/09 04:33	95-47-6	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 28 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

Sample: TT-2111-B-6 **Lab ID:** 9256476008 **Collected:** 10/30/09 10:00 **Received:** 10/30/09 12:55 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromofluoromethane (S)	94 %		79-116	1		11/05/09 04:33	1868-53-7	
Toluene-d8 (S)	98 %		88-110	1		11/05/09 04:33	2037-26-5	
4-Bromofluorobenzene (S)	96 %		74-115	1		11/05/09 04:33	460-00-4	
1,2-Dichloroethane-d4 (S)	96 %		69-121	1		11/05/09 04:33	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	35.9 %		0.10	1		11/03/09 17:08		

ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2129-1 Lab ID: 9256476009 Collected: 10/28/09 11:00 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	31.7 mg/kg		6.1	1	11/04/09 12:00	11/05/09 19:16	68334-30-5	
n-Pentacosane (S)	77 %		50-135	1	11/04/09 12:00	11/05/09 19:16	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		12.2	1	11/03/09 10:45	11/07/09 03:01		
Aliphatic (C19-C36)	ND mg/kg		12.2	1	11/03/09 10:45	11/07/09 03:01		
Aromatic (C11-C22)	42.9 mg/kg		12.2	1	11/03/09 10:45	11/09/09 21:18		
Nonatriacontane (S)	71 %		40-140	1	11/03/09 10:45	11/07/09 03:01	7194-86-7	
o-Terphenyl (S)	133 %		40-140	1	11/03/09 10:45	11/09/09 21:18	84-15-1	
2-Fluorobiphenyl (S)	81 %		40-140	1	11/03/09 10:45	11/09/09 21:18	321-60-8	
2-Bromonaphthalene (S)	84 %		40-140	1	11/03/09 10:45	11/09/09 21:18	580-13-2	
Gasoline Range Organics Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		5.2	1	11/05/09 07:16	11/09/09 05:49	8006-61-9	
4-Bromofluorobenzene (S)	111 %		50-135	1	11/05/09 07:16	11/09/09 05:49	460-00-4	
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		8.7	1	11/05/09 07:49	11/06/09 07:19		
Aliphatic (C09-C12)	ND mg/kg		8.7	1	11/05/09 07:49	11/06/09 07:19		
Aromatic (C09-C10)	ND mg/kg		8.7	1	11/05/09 07:49	11/06/09 07:19		
2,5-Dibromotoluene (PID)(S)	137 %		70-130	1	11/05/09 07:49	11/06/09 07:19		S3
2,5-Dibromotoluene (FID)(S)	138 %		70-130	1	11/05/09 07:49	11/06/09 07:19		S3
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Acetone	ND ug/kg		93.6	1		11/05/09 04:51	67-64-1	
Benzene	ND ug/kg		4.7	1		11/05/09 04:51	71-43-2	
Bromobenzene	ND ug/kg		4.7	1		11/05/09 04:51	108-86-1	
Bromochloromethane	ND ug/kg		4.7	1		11/05/09 04:51	74-97-5	
Bromodichloromethane	ND ug/kg		4.7	1		11/05/09 04:51	75-27-4	
Bromoform	ND ug/kg		4.7	1		11/05/09 04:51	75-25-2	
Bromomethane	ND ug/kg		9.4	1		11/05/09 04:51	74-83-9	
2-Butanone (MEK)	ND ug/kg		93.6	1		11/05/09 04:51	78-93-3	
n-Butylbenzene	ND ug/kg		4.7	1		11/05/09 04:51	104-51-8	
sec-Butylbenzene	ND ug/kg		4.7	1		11/05/09 04:51	135-98-8	
tert-Butylbenzene	ND ug/kg		4.7	1		11/05/09 04:51	98-06-6	
Carbon tetrachloride	ND ug/kg		4.7	1		11/05/09 04:51	56-23-5	
Chlorobenzene	ND ug/kg		4.7	1		11/05/09 04:51	108-90-7	
Chloroethane	ND ug/kg		9.4	1		11/05/09 04:51	75-00-3	
Chloroform	ND ug/kg		4.7	1		11/05/09 04:51	67-66-3	
Chloromethane	ND ug/kg		9.4	1		11/05/09 04:51	74-87-3	
2-Chlorotoluene	ND ug/kg		4.7	1		11/05/09 04:51	95-49-8	
4-Chlorotoluene	ND ug/kg		4.7	1		11/05/09 04:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		4.7	1		11/05/09 04:51	96-12-8	
Dibromochloromethane	ND ug/kg		4.7	1		11/05/09 04:51	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.7	1		11/05/09 04:51	106-93-4	

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REPORT OF LABORATORY ANALYSIS

Page 30 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

Sample: TT-2129-1 Lab ID: 9256476009 Collected: 10/28/09 11:00 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromomethane	ND	ug/kg	4.7	1		11/05/09 04:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.7	1		11/05/09 04:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.7	1		11/05/09 04:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.7	1		11/05/09 04:51	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.4	1		11/05/09 04:51	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.7	1		11/05/09 04:51	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.7	1		11/05/09 04:51	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.7	1		11/05/09 04:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.7	1		11/05/09 04:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.7	1		11/05/09 04:51	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.7	1		11/05/09 04:51	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.7	1		11/05/09 04:51	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.7	1		11/05/09 04:51	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.7	1		11/05/09 04:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.7	1		11/05/09 04:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.7	1		11/05/09 04:51	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.7	1		11/05/09 04:51	108-20-3	
Ethylbenzene	ND	ug/kg	4.7	1		11/05/09 04:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.7	1		11/05/09 04:51	87-68-3	
2-Hexanone	ND	ug/kg	46.8	1		11/05/09 04:51	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	1		11/05/09 04:51	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.7	1		11/05/09 04:51	99-87-6	
Methylene Chloride	ND	ug/kg	18.7	1		11/05/09 04:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	46.8	1		11/05/09 04:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	1		11/05/09 04:51	1634-04-4	
Naphthalene	ND	ug/kg	4.7	1		11/05/09 04:51	91-20-3	
n-Propylbenzene	ND	ug/kg	4.7	1		11/05/09 04:51	103-65-1	
Styrene	ND	ug/kg	4.7	1		11/05/09 04:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.7	1		11/05/09 04:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1		11/05/09 04:51	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	1		11/05/09 04:51	127-18-4	
Toluene	ND	ug/kg	4.7	1		11/05/09 04:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.7	1		11/05/09 04:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1		11/05/09 04:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	1		11/05/09 04:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	1		11/05/09 04:51	79-00-5	
Trichloroethene	ND	ug/kg	4.7	1		11/05/09 04:51	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.7	1		11/05/09 04:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.7	1		11/05/09 04:51	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.7	1		11/05/09 04:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	1		11/05/09 04:51	108-67-8	
Vinyl acetate	ND	ug/kg	46.8	1		11/05/09 04:51	108-05-4	
Vinyl chloride	ND	ug/kg	9.4	1		11/05/09 04:51	75-01-4	
Xylene (Total)	ND	ug/kg	9.4	1		11/05/09 04:51	1330-20-7	
m&p-Xylene	ND	ug/kg	9.4	1		11/05/09 04:51	1330-20-7	
o-Xylene	ND	ug/kg	4.7	1		11/05/09 04:51	95-47-6	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 31 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

Sample: TT-2129-1 Lab ID: 9256476009 Collected: 10/28/09 11:00 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromofluoromethane (S)	97 %		79-116	1		11/05/09 04:51	1868-53-7	
Toluene-d8 (S)	100 %		88-110	1		11/05/09 04:51	2037-26-5	
4-Bromofluorobenzene (S)	100 %		74-115	1		11/05/09 04:51	460-00-4	
1,2-Dichloroethane-d4 (S)	95 %		69-121	1		11/05/09 04:51	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	17.7 %		0.10	1		11/03/09 17:08		

ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

Sample: TT-2129-4 Lab ID: 9256476010 Collected: 10/28/09 12:40 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	7.1 mg/kg		5.9	1	11/04/09 12:00	11/05/09 19:44	68334-30-5	
n-Pentacosane (S)	54 %		50-135	1	11/04/09 12:00	11/05/09 19:44	629-99-2	
MADEP EPH NC Soil								
Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		11.7	1	11/03/09 10:45	11/07/09 03:34		
Aliphatic (C19-C36)	ND mg/kg		11.7	1	11/03/09 10:45	11/07/09 03:34		
Aromatic (C11-C22)	ND mg/kg		11.7	1	11/03/09 10:45	11/09/09 21:52		
Nonatriacontane (S)	73 %		40-140	1	11/03/09 10:45	11/07/09 03:34	7194-86-7	
o-Terphenyl (S)	67 %		40-140	1	11/03/09 10:45	11/09/09 21:52	84-15-1	
2-Fluorobiphenyl (S)	81 %		40-140	1	11/03/09 10:45	11/09/09 21:52	321-60-8	
2-Bromonaphthalene (S)	85 %		40-140	1	11/03/09 10:45	11/09/09 21:52	580-13-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		4.9	1	11/05/09 07:16	11/09/09 06:13	8006-61-9	
4-Bromofluorobenzene (S)	75 %		50-135	1	11/05/09 07:16	11/09/09 06:13	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		8.2	1	11/05/09 07:49	11/06/09 07:44		
Aliphatic (C09-C12)	ND mg/kg		8.2	1	11/05/09 07:49	11/06/09 07:44		
Aromatic (C09-C10)	ND mg/kg		8.2	1	11/05/09 07:49	11/06/09 07:44		
2,5-Dibromotoluene (PID)(S)	128 %		70-130	1	11/05/09 07:49	11/06/09 07:44		
2,5-Dibromotoluene (FID)(S)	134 %		70-130	1	11/05/09 07:49	11/06/09 07:44		S3
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND ug/kg		84.1	1		11/05/09 05:09	67-64-1	
Benzene	ND ug/kg		4.2	1		11/05/09 05:09	71-43-2	
Bromobenzene	ND ug/kg		4.2	1		11/05/09 05:09	108-86-1	
Bromochloromethane	ND ug/kg		4.2	1		11/05/09 05:09	74-97-5	
Bromodichloromethane	ND ug/kg		4.2	1		11/05/09 05:09	75-27-4	
Bromoform	ND ug/kg		4.2	1		11/05/09 05:09	75-25-2	
Bromomethane	ND ug/kg		8.4	1		11/05/09 05:09	74-83-9	
2-Butanone (MEK)	ND ug/kg		84.1	1		11/05/09 05:09	78-93-3	
n-Butylbenzene	ND ug/kg		4.2	1		11/05/09 05:09	104-51-8	
sec-Butylbenzene	ND ug/kg		4.2	1		11/05/09 05:09	135-98-8	
tert-Butylbenzene	ND ug/kg		4.2	1		11/05/09 05:09	98-06-6	
Carbon tetrachloride	ND ug/kg		4.2	1		11/05/09 05:09	56-23-5	
Chlorobenzene	ND ug/kg		4.2	1		11/05/09 05:09	108-90-7	
Chloroethane	ND ug/kg		8.4	1		11/05/09 05:09	75-00-3	
Chloroform	ND ug/kg		4.2	1		11/05/09 05:09	67-66-3	
Chloromethane	ND ug/kg		8.4	1		11/05/09 05:09	74-87-3	
2-Chlorotoluene	ND ug/kg		4.2	1		11/05/09 05:09	95-49-8	
4-Chlorotoluene	ND ug/kg		4.2	1		11/05/09 05:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		4.2	1		11/05/09 05:09	96-12-8	
Dibromochloromethane	ND ug/kg		4.2	1		11/05/09 05:09	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.2	1		11/05/09 05:09	106-93-4	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 33 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2129-4 Lab ID: 9256476010 Collected: 10/28/09 12:40 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromomethane	ND	ug/kg	4.2	1		11/05/09 05:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.2	1		11/05/09 05:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.2	1		11/05/09 05:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.2	1		11/05/09 05:09	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.4	1		11/05/09 05:09	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.2	1		11/05/09 05:09	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.2	1		11/05/09 05:09	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.2	1		11/05/09 05:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.2	1		11/05/09 05:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.2	1		11/05/09 05:09	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.2	1		11/05/09 05:09	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.2	1		11/05/09 05:09	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.2	1		11/05/09 05:09	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.2	1		11/05/09 05:09	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.2	1		11/05/09 05:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.2	1		11/05/09 05:09	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.2	1		11/05/09 05:09	108-20-3	
Ethylbenzene	ND	ug/kg	4.2	1		11/05/09 05:09	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.2	1		11/05/09 05:09	87-68-3	
2-Hexanone	ND	ug/kg	42.1	1		11/05/09 05:09	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.2	1		11/05/09 05:09	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.2	1		11/05/09 05:09	99-87-6	
Methylene Chloride	ND	ug/kg	16.8	1		11/05/09 05:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	42.1	1		11/05/09 05:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.2	1		11/05/09 05:09	1634-04-4	
Naphthalene	ND	ug/kg	4.2	1		11/05/09 05:09	91-20-3	
n-Propylbenzene	ND	ug/kg	4.2	1		11/05/09 05:09	103-65-1	
Styrene	ND	ug/kg	4.2	1		11/05/09 05:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.2	1		11/05/09 05:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.2	1		11/05/09 05:09	79-34-5	
Tetrachloroethene	ND	ug/kg	4.2	1		11/05/09 05:09	127-18-4	
Toluene	ND	ug/kg	4.2	1		11/05/09 05:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.2	1		11/05/09 05:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.2	1		11/05/09 05:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.2	1		11/05/09 05:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.2	1		11/05/09 05:09	79-00-5	
Trichloroethene	ND	ug/kg	4.2	1		11/05/09 05:09	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.2	1		11/05/09 05:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.2	1		11/05/09 05:09	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.2	1		11/05/09 05:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.2	1		11/05/09 05:09	108-67-8	
Vinyl acetate	ND	ug/kg	42.1	1		11/05/09 05:09	108-05-4	
Vinyl chloride	ND	ug/kg	8.4	1		11/05/09 05:09	75-01-4	
Xylene (Total)	ND	ug/kg	8.4	1		11/05/09 05:09	1330-20-7	
m&p-Xylene	ND	ug/kg	8.4	1		11/05/09 05:09	1330-20-7	
o-Xylene	ND	ug/kg	4.2	1		11/05/09 05:09	95-47-6	

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REPORT OF LABORATORY ANALYSIS

Page 34 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2129-4 **Lab ID:** 9256476010 **Collected:** 10/28/09 12:40 **Received:** 10/30/09 12:55 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromofluoromethane (S)	92 %		79-116	1		11/05/09 05:09	1868-53-7	
Toluene-d8 (S)	99 %		88-110	1		11/05/09 05:09	2037-26-5	
4-Bromofluorobenzene (S)	101 %		74-115	1		11/05/09 05:09	460-00-4	
1,2-Dichloroethane-d4 (S)	87 %		69-121	1		11/05/09 05:09	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	14.7 %		0.10	1		11/03/09 17:08		

ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2129-3 Lab ID: 9256476011 Collected: 10/28/09 13:00 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND	mg/kg	6.0	1	11/04/09 12:00	11/05/09 19:44	68334-30-5	
n-Pentacosane (S)	72	%	50-135	1	11/04/09 12:00	11/05/09 19:44	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND	mg/kg	11.9	1	11/03/09 10:45	11/07/09 04:08		
Aliphatic (C19-C36)	ND	mg/kg	11.9	1	11/03/09 10:45	11/07/09 04:08		
Aromatic (C11-C22)	ND	mg/kg	11.9	1	11/03/09 10:45	11/09/09 22:26		
Nonatriacontane (S)	73	%	40-140	1	11/03/09 10:45	11/07/09 04:08	7194-86-7	
o-Terphenyl (S)	64	%	40-140	1	11/03/09 10:45	11/09/09 22:26	84-15-1	
2-Fluorobiphenyl (S)	77	%	40-140	1	11/03/09 10:45	11/09/09 22:26	321-60-8	
2-Bromonaphthalene (S)	77	%	40-140	1	11/03/09 10:45	11/09/09 22:26	580-13-2	
Gasoline Range Organics Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND	mg/kg	5.1	1	11/05/09 07:16	11/09/09 06:37	8006-61-9	
4-Bromofluorobenzene (S)	97	%	50-135	1	11/05/09 07:16	11/09/09 06:37	460-00-4	
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND	mg/kg	8.5	1	11/05/09 07:49	11/06/09 08:08		
Aliphatic (C09-C12)	ND	mg/kg	8.5	1	11/05/09 07:49	11/06/09 08:08		
Aromatic (C09-C10)	ND	mg/kg	8.5	1	11/05/09 07:49	11/06/09 08:08		
2,5-Dibromotoluene (PID)(S)	133	%	70-130	1	11/05/09 07:49	11/06/09 08:08		S3
2,5-Dibromotoluene (FID)(S)	139	%	70-130	1	11/05/09 07:49	11/06/09 08:08		S3
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Acetone	ND	ug/kg	92.6	1		11/05/09 05:27	67-64-1	
Benzene	ND	ug/kg	4.6	1		11/05/09 05:27	71-43-2	
Bromobenzene	ND	ug/kg	4.6	1		11/05/09 05:27	108-86-1	
Bromochloromethane	ND	ug/kg	4.6	1		11/05/09 05:27	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1		11/05/09 05:27	75-27-4	
Bromoform	ND	ug/kg	4.6	1		11/05/09 05:27	75-25-2	
Bromomethane	ND	ug/kg	9.3	1		11/05/09 05:27	74-83-9	
2-Butanone (MEK)	ND	ug/kg	92.6	1		11/05/09 05:27	78-93-3	
n-Butylbenzene	ND	ug/kg	4.6	1		11/05/09 05:27	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.6	1		11/05/09 05:27	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.6	1		11/05/09 05:27	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.6	1		11/05/09 05:27	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1		11/05/09 05:27	108-90-7	
Chloroethane	ND	ug/kg	9.3	1		11/05/09 05:27	75-00-3	
Chloroform	ND	ug/kg	4.6	1		11/05/09 05:27	67-66-3	
Chloromethane	ND	ug/kg	9.3	1		11/05/09 05:27	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.6	1		11/05/09 05:27	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.6	1		11/05/09 05:27	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.6	1		11/05/09 05:27	96-12-8	
Dibromochloromethane	ND	ug/kg	4.6	1		11/05/09 05:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1		11/05/09 05:27	106-93-4	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 36 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2129-3 **Lab ID:** 9256476011 **Collected:** 10/28/09 13:00 **Received:** 10/30/09 12:55 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromomethane	ND	ug/kg	4.6	1		11/05/09 05:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1		11/05/09 05:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1		11/05/09 05:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1		11/05/09 05:27	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.3	1		11/05/09 05:27	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1		11/05/09 05:27	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	1		11/05/09 05:27	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1		11/05/09 05:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1		11/05/09 05:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1		11/05/09 05:27	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1		11/05/09 05:27	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.6	1		11/05/09 05:27	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.6	1		11/05/09 05:27	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.6	1		11/05/09 05:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1		11/05/09 05:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1		11/05/09 05:27	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.6	1		11/05/09 05:27	108-20-3	
Ethylbenzene	ND	ug/kg	4.6	1		11/05/09 05:27	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	1		11/05/09 05:27	87-68-3	
2-Hexanone	ND	ug/kg	46.3	1		11/05/09 05:27	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1		11/05/09 05:27	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1		11/05/09 05:27	99-87-6	
Methylene Chloride	ND	ug/kg	18.5	1		11/05/09 05:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	46.3	1		11/05/09 05:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1		11/05/09 05:27	1634-04-4	
Naphthalene	ND	ug/kg	4.6	1		11/05/09 05:27	91-20-3	
n-Propylbenzene	ND	ug/kg	4.6	1		11/05/09 05:27	103-65-1	
Styrene	ND	ug/kg	4.6	1		11/05/09 05:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1		11/05/09 05:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1		11/05/09 05:27	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1		11/05/09 05:27	127-18-4	
Toluene	ND	ug/kg	4.6	1		11/05/09 05:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	1		11/05/09 05:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1		11/05/09 05:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1		11/05/09 05:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1		11/05/09 05:27	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1		11/05/09 05:27	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	1		11/05/09 05:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	1		11/05/09 05:27	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1		11/05/09 05:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1		11/05/09 05:27	108-67-8	
Vinyl acetate	ND	ug/kg	46.3	1		11/05/09 05:27	108-05-4	
Vinyl chloride	ND	ug/kg	9.3	1		11/05/09 05:27	75-01-4	
Xylene (Total)	ND	ug/kg	9.3	1		11/05/09 05:27	1330-20-7	
m&p-Xylene	ND	ug/kg	9.3	1		11/05/09 05:27	1330-20-7	
o-Xylene	ND	ug/kg	4.6	1		11/05/09 05:27	95-47-6	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 37 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2129-3 **Lab ID:** 9256476011 **Collected:** 10/28/09 13:00 **Received:** 10/30/09 12:55 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromofluoromethane (S)	101 %		79-116	1		11/05/09 05:27	1868-53-7	
Toluene-d8 (S)	99 %		88-110	1		11/05/09 05:27	2037-26-5	
4-Bromofluorobenzene (S)	102 %		74-115	1		11/05/09 05:27	460-00-4	
1,2-Dichloroethane-d4 (S)	93 %		69-121	1		11/05/09 05:27	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	16.1 %		0.10	1		11/03/09 17:09		

ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2129-2 Lab ID: 9256476012 Collected: 10/28/09 13:30 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		5.9	1	11/06/09 10:00	11/07/09 00:31	68334-30-5	
n-Pentacosane (S)	46 %		50-135	1	11/06/09 10:00	11/07/09 00:31	629-99-2	S2
MADEP EPH NC Soil								
Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		11.8	1	11/03/09 10:45	11/07/09 04:41		
Aliphatic (C19-C36)	ND mg/kg		11.8	1	11/03/09 10:45	11/07/09 04:41		
Aromatic (C11-C22)	ND mg/kg		11.8	1	11/03/09 10:45	11/09/09 22:59		
Nonatriacontane (S)	78 %		40-140	1	11/03/09 10:45	11/07/09 04:41	7194-86-7	
o-Terphenyl (S)	93 %		40-140	1	11/03/09 10:45	11/09/09 22:59	84-15-1	
2-Fluorobiphenyl (S)	115 %		40-140	1	11/03/09 10:45	11/09/09 22:59	321-60-8	
2-Bromonaphthalene (S)	115 %		40-140	1	11/03/09 10:45	11/09/09 22:59	580-13-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		5.6	1	11/05/09 07:16	11/09/09 07:02	8006-61-9	
4-Bromofluorobenzene (S)	105 %		50-135	1	11/05/09 07:16	11/09/09 07:02	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		9.4	1	11/05/09 07:49	11/06/09 08:32		
Aliphatic (C09-C12)	ND mg/kg		9.4	1	11/05/09 07:49	11/06/09 08:32		
Aromatic (C09-C10)	ND mg/kg		9.4	1	11/05/09 07:49	11/06/09 08:32		
2,5-Dibromotoluene (PID)(S)	131 %		70-130	1	11/05/09 07:49	11/06/09 08:32		S3
2,5-Dibromotoluene (FID)(S)	135 %		70-130	1	11/05/09 07:49	11/06/09 08:32		S3
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND ug/kg		76.1	1		11/05/09 05:45	67-64-1	
Benzene	ND ug/kg		3.8	1		11/05/09 05:45	71-43-2	
Bromobenzene	ND ug/kg		3.8	1		11/05/09 05:45	108-86-1	
Bromochloromethane	ND ug/kg		3.8	1		11/05/09 05:45	74-97-5	
Bromodichloromethane	ND ug/kg		3.8	1		11/05/09 05:45	75-27-4	
Bromoform	ND ug/kg		3.8	1		11/05/09 05:45	75-25-2	
Bromomethane	ND ug/kg		7.6	1		11/05/09 05:45	74-83-9	
2-Butanone (MEK)	ND ug/kg		76.1	1		11/05/09 05:45	78-93-3	
n-Butylbenzene	ND ug/kg		3.8	1		11/05/09 05:45	104-51-8	
sec-Butylbenzene	ND ug/kg		3.8	1		11/05/09 05:45	135-98-8	
tert-Butylbenzene	ND ug/kg		3.8	1		11/05/09 05:45	98-06-6	
Carbon tetrachloride	ND ug/kg		3.8	1		11/05/09 05:45	56-23-5	
Chlorobenzene	ND ug/kg		3.8	1		11/05/09 05:45	108-90-7	
Chloroethane	ND ug/kg		7.6	1		11/05/09 05:45	75-00-3	
Chloroform	ND ug/kg		3.8	1		11/05/09 05:45	67-66-3	
Chloromethane	ND ug/kg		7.6	1		11/05/09 05:45	74-87-3	
2-Chlorotoluene	ND ug/kg		3.8	1		11/05/09 05:45	95-49-8	
4-Chlorotoluene	ND ug/kg		3.8	1		11/05/09 05:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		3.8	1		11/05/09 05:45	96-12-8	
Dibromochloromethane	ND ug/kg		3.8	1		11/05/09 05:45	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		3.8	1		11/05/09 05:45	106-93-4	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 39 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2129-2 Lab ID: 9256476012 Collected: 10/28/09 13:30 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromomethane	ND	ug/kg	3.8	1		11/05/09 05:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3.8	1		11/05/09 05:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.8	1		11/05/09 05:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.8	1		11/05/09 05:45	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	7.6	1		11/05/09 05:45	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.8	1		11/05/09 05:45	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.8	1		11/05/09 05:45	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.8	1		11/05/09 05:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.8	1		11/05/09 05:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.8	1		11/05/09 05:45	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.8	1		11/05/09 05:45	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.8	1		11/05/09 05:45	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.8	1		11/05/09 05:45	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.8	1		11/05/09 05:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.8	1		11/05/09 05:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.8	1		11/05/09 05:45	10061-02-6	
Diisopropyl ether	ND	ug/kg	3.8	1		11/05/09 05:45	108-20-3	
Ethylbenzene	ND	ug/kg	3.8	1		11/05/09 05:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.8	1		11/05/09 05:45	87-68-3	
2-Hexanone	ND	ug/kg	38.0	1		11/05/09 05:45	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.8	1		11/05/09 05:45	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.8	1		11/05/09 05:45	99-87-6	
Methylene Chloride	ND	ug/kg	15.2	1		11/05/09 05:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	38.0	1		11/05/09 05:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.8	1		11/05/09 05:45	1634-04-4	
Naphthalene	ND	ug/kg	3.8	1		11/05/09 05:45	91-20-3	
n-Propylbenzene	ND	ug/kg	3.8	1		11/05/09 05:45	103-65-1	
Styrene	ND	ug/kg	3.8	1		11/05/09 05:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.8	1		11/05/09 05:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.8	1		11/05/09 05:45	79-34-5	
Tetrachloroethene	ND	ug/kg	3.8	1		11/05/09 05:45	127-18-4	
Toluene	ND	ug/kg	3.8	1		11/05/09 05:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.8	1		11/05/09 05:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.8	1		11/05/09 05:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.8	1		11/05/09 05:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.8	1		11/05/09 05:45	79-00-5	
Trichloroethene	ND	ug/kg	3.8	1		11/05/09 05:45	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.8	1		11/05/09 05:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.8	1		11/05/09 05:45	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.8	1		11/05/09 05:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.8	1		11/05/09 05:45	108-67-8	
Vinyl acetate	ND	ug/kg	38.0	1		11/05/09 05:45	108-05-4	
Vinyl chloride	ND	ug/kg	7.6	1		11/05/09 05:45	75-01-4	
Xylene (Total)	ND	ug/kg	7.6	1		11/05/09 05:45	1330-20-7	
m&p-Xylene	ND	ug/kg	7.6	1		11/05/09 05:45	1330-20-7	
o-Xylene	ND	ug/kg	3.8	1		11/05/09 05:45	95-47-6	

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REPORT OF LABORATORY ANALYSIS

Page 40 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2129-2 Lab ID: 9256476012 Collected: 10/28/09 13:30 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromofluoromethane (S)	92 %		79-116	1		11/05/09 05:45	1868-53-7	
Toluene-d8 (S)	100 %		88-110	1		11/05/09 05:45	2037-26-5	
4-Bromofluorobenzene (S)	100 %		74-115	1		11/05/09 05:45	460-00-4	
1,2-Dichloroethane-d4 (S)	91 %		69-121	1		11/05/09 05:45	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	15.5 %		0.10	1		11/03/09 17:09		

ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2129-B-9 **Lab ID:** 9256476013 **Collected:** 10/28/09 14:05 **Received:** 10/30/09 12:55 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified					Preparation Method: EPA 3546			
Diesel Components	ND mg/kg		6.0	1	11/04/09 12:00	11/05/09 20:13	68334-30-5	
n-Pentacosane (S)	61 %		50-135	1	11/04/09 12:00	11/05/09 20:13	629-99-2	
MADEP EPH NC Soil								
Analytical Method: MADEP EPH					Preparation Method: MADEP EPH			
Aliphatic (C09-C18)	ND mg/kg		12.0	1	11/03/09 10:45	11/07/09 05:13		
Aliphatic (C19-C36)	ND mg/kg		12.0	1	11/03/09 10:45	11/07/09 05:13		
Aromatic (C11-C22)	ND mg/kg		12.0	1	11/03/09 10:45	11/09/09 23:32		
Nonatriacontane (S)	156 %		40-140	1	11/03/09 10:45	11/07/09 05:13	7194-86-7	S3
o-Terphenyl (S)	69 %		40-140	1	11/03/09 10:45	11/09/09 23:32	84-15-1	
2-Fluorobiphenyl (S)	89 %		40-140	1	11/03/09 10:45	11/09/09 23:32	321-60-8	
2-Bromonaphthalene (S)	91 %		40-140	1	11/03/09 10:45	11/09/09 23:32	580-13-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified					Preparation Method: EPA 5035A/5030B			
Gasoline Range Organics	ND mg/kg		6.7	1	11/05/09 07:16	11/09/09 07:26	8006-61-9	
4-Bromofluorobenzene (S)	108 %		50-135	1	11/05/09 07:16	11/09/09 07:26	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH					Preparation Method: MADEP VPH			
Aliphatic (C05-C08)	ND mg/kg		11.2	1	11/05/09 07:49	11/06/09 08:57		
Aliphatic (C09-C12)	ND mg/kg		11.2	1	11/05/09 07:49	11/06/09 08:57		
Aromatic (C09-C10)	ND mg/kg		11.2	1	11/05/09 07:49	11/06/09 08:57		
2,5-Dibromotoluene (PID)(S)	105 %		70-130	1	11/05/09 07:49	11/06/09 08:57		
2,5-Dibromotoluene (FID)(S)	108 %		70-130	1	11/05/09 07:49	11/06/09 08:57		
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND ug/kg		157	1		11/05/09 06:03	67-64-1	
Benzene	ND ug/kg		7.8	1		11/05/09 06:03	71-43-2	
Bromobenzene	ND ug/kg		7.8	1		11/05/09 06:03	108-86-1	
Bromochloromethane	ND ug/kg		7.8	1		11/05/09 06:03	74-97-5	
Bromodichloromethane	ND ug/kg		7.8	1		11/05/09 06:03	75-27-4	
Bromoform	ND ug/kg		7.8	1		11/05/09 06:03	75-25-2	
Bromomethane	ND ug/kg		15.7	1		11/05/09 06:03	74-83-9	
2-Butanone (MEK)	ND ug/kg		157	1		11/05/09 06:03	78-93-3	
n-Butylbenzene	ND ug/kg		7.8	1		11/05/09 06:03	104-51-8	
sec-Butylbenzene	ND ug/kg		7.8	1		11/05/09 06:03	135-98-8	
tert-Butylbenzene	ND ug/kg		7.8	1		11/05/09 06:03	98-06-6	
Carbon tetrachloride	ND ug/kg		7.8	1		11/05/09 06:03	56-23-5	
Chlorobenzene	ND ug/kg		7.8	1		11/05/09 06:03	108-90-7	
Chloroethane	ND ug/kg		15.7	1		11/05/09 06:03	75-00-3	
Chloroform	ND ug/kg		7.8	1		11/05/09 06:03	67-66-3	
Chloromethane	ND ug/kg		15.7	1		11/05/09 06:03	74-87-3	
2-Chlorotoluene	ND ug/kg		7.8	1		11/05/09 06:03	95-49-8	
4-Chlorotoluene	ND ug/kg		7.8	1		11/05/09 06:03	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		7.8	1		11/05/09 06:03	96-12-8	
Dibromochloromethane	ND ug/kg		7.8	1		11/05/09 06:03	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		7.8	1		11/05/09 06:03	106-93-4	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 42 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

Sample: TT-2129-B-9 Lab ID: 9256476013 Collected: 10/28/09 14:05 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromomethane	ND	ug/kg	7.8	1		11/05/09 06:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	7.8	1		11/05/09 06:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.8	1		11/05/09 06:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.8	1		11/05/09 06:03	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	15.7	1		11/05/09 06:03	75-71-8	
1,1-Dichloroethane	ND	ug/kg	7.8	1		11/05/09 06:03	75-34-3	
1,2-Dichloroethane	ND	ug/kg	7.8	1		11/05/09 06:03	107-06-2	
1,1-Dichloroethene	ND	ug/kg	7.8	1		11/05/09 06:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	7.8	1		11/05/09 06:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	7.8	1		11/05/09 06:03	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.8	1		11/05/09 06:03	78-87-5	
1,3-Dichloropropane	ND	ug/kg	7.8	1		11/05/09 06:03	142-28-9	
2,2-Dichloropropane	ND	ug/kg	7.8	1		11/05/09 06:03	594-20-7	
1,1-Dichloropropene	ND	ug/kg	7.8	1		11/05/09 06:03	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	7.8	1		11/05/09 06:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.8	1		11/05/09 06:03	10061-02-6	
Diisopropyl ether	ND	ug/kg	7.8	1		11/05/09 06:03	108-20-3	
Ethylbenzene	ND	ug/kg	7.8	1		11/05/09 06:03	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	7.8	1		11/05/09 06:03	87-68-3	
2-Hexanone	ND	ug/kg	78.3	1		11/05/09 06:03	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	7.8	1		11/05/09 06:03	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.8	1		11/05/09 06:03	99-87-6	
Methylene Chloride	ND	ug/kg	31.3	1		11/05/09 06:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	78.3	1		11/05/09 06:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	7.8	1		11/05/09 06:03	1634-04-4	
Naphthalene	ND	ug/kg	7.8	1		11/05/09 06:03	91-20-3	
n-Propylbenzene	ND	ug/kg	7.8	1		11/05/09 06:03	103-65-1	
Styrene	ND	ug/kg	7.8	1		11/05/09 06:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	7.8	1		11/05/09 06:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7.8	1		11/05/09 06:03	79-34-5	
Tetrachloroethene	ND	ug/kg	7.8	1		11/05/09 06:03	127-18-4	
Toluene	ND	ug/kg	7.8	1		11/05/09 06:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	7.8	1		11/05/09 06:03	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	7.8	1		11/05/09 06:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	7.8	1		11/05/09 06:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	7.8	1		11/05/09 06:03	79-00-5	
Trichloroethene	ND	ug/kg	7.8	1		11/05/09 06:03	79-01-6	
Trichlorofluoromethane	ND	ug/kg	7.8	1		11/05/09 06:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	7.8	1		11/05/09 06:03	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	7.8	1		11/05/09 06:03	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	7.8	1		11/05/09 06:03	108-67-8	
Vinyl acetate	ND	ug/kg	78.3	1		11/05/09 06:03	108-05-4	
Vinyl chloride	ND	ug/kg	15.7	1		11/05/09 06:03	75-01-4	
Xylene (Total)	ND	ug/kg	15.7	1		11/05/09 06:03	1330-20-7	
m&p-Xylene	ND	ug/kg	15.7	1		11/05/09 06:03	1330-20-7	
o-Xylene	ND	ug/kg	7.8	1		11/05/09 06:03	95-47-6	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 43 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

Sample: TT-2129-B-9 **Lab ID:** 9256476013 **Collected:** 10/28/09 14:05 **Received:** 10/30/09 12:55 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromofluoromethane (S)	104 %		79-116	1		11/05/09 06:03	1868-53-7	
Toluene-d8 (S)	101 %		88-110	1		11/05/09 06:03	2037-26-5	
4-Bromofluorobenzene (S)	99 %		74-115	1		11/05/09 06:03	460-00-4	
1,2-Dichloroethane-d4 (S)	117 %		69-121	1		11/05/09 06:03	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	16.6 %		0.10	1		11/03/09 17:09		

ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2139-1 Lab ID: 9256476014 Collected: 10/28/09 15:35 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	9.8 mg/kg		6.4	1	11/04/09 12:00	11/05/09 20:42	68334-30-5	
n-Pentacosane (S)	69 %		50-135	1	11/04/09 12:00	11/05/09 20:42	629-99-2	
MADEP EPH NC Soil								
Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		12.7	1	11/03/09 10:45	11/09/09 11:51		
Aliphatic (C19-C36)	ND mg/kg		12.7	1	11/03/09 10:45	11/09/09 11:51		
Aromatic (C11-C22)	ND mg/kg		12.7	1	11/03/09 10:45	11/10/09 00:40		
Nonatriacontane (S)	73 %		40-140	1	11/03/09 10:45	11/09/09 11:51	7194-86-7	
o-Terphenyl (S)	80 %		40-140	1	11/03/09 10:45	11/10/09 00:40	84-15-1	
2-Fluorobiphenyl (S)	95 %		40-140	1	11/03/09 10:45	11/10/09 00:40	321-60-8	
2-Bromonaphthalene (S)	103 %		40-140	1	11/03/09 10:45	11/10/09 00:40	580-13-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		6.5	1	11/05/09 07:16	11/09/09 07:50	8006-61-9	
4-Bromofluorobenzene (S)	122 %		50-135	1	11/05/09 07:16	11/09/09 07:50	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		10.8	1	11/05/09 07:49	11/06/09 09:21		
Aliphatic (C09-C12)	ND mg/kg		10.8	1	11/05/09 07:49	11/06/09 09:21		
Aromatic (C09-C10)	ND mg/kg		10.8	1	11/05/09 07:49	11/06/09 09:21		
2,5-Dibromotoluene (PID)(S)	141 %		70-130	1	11/05/09 07:49	11/06/09 09:21		S3
2,5-Dibromotoluene (FID)(S)	140 %		70-130	1	11/05/09 07:49	11/06/09 09:21		S3
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND ug/kg		147	1		11/05/09 06:21	67-64-1	
Benzene	ND ug/kg		7.4	1		11/05/09 06:21	71-43-2	
Bromobenzene	ND ug/kg		7.4	1		11/05/09 06:21	108-86-1	
Bromochloromethane	ND ug/kg		7.4	1		11/05/09 06:21	74-97-5	
Bromodichloromethane	ND ug/kg		7.4	1		11/05/09 06:21	75-27-4	
Bromoform	ND ug/kg		7.4	1		11/05/09 06:21	75-25-2	
Bromomethane	ND ug/kg		14.7	1		11/05/09 06:21	74-83-9	
2-Butanone (MEK)	ND ug/kg		147	1		11/05/09 06:21	78-93-3	
n-Butylbenzene	ND ug/kg		7.4	1		11/05/09 06:21	104-51-8	
sec-Butylbenzene	ND ug/kg		7.4	1		11/05/09 06:21	135-98-8	
tert-Butylbenzene	ND ug/kg		7.4	1		11/05/09 06:21	98-06-6	
Carbon tetrachloride	ND ug/kg		7.4	1		11/05/09 06:21	56-23-5	
Chlorobenzene	ND ug/kg		7.4	1		11/05/09 06:21	108-90-7	
Chloroethane	ND ug/kg		14.7	1		11/05/09 06:21	75-00-3	
Chloroform	ND ug/kg		7.4	1		11/05/09 06:21	67-66-3	
Chloromethane	ND ug/kg		14.7	1		11/05/09 06:21	74-87-3	
2-Chlorotoluene	ND ug/kg		7.4	1		11/05/09 06:21	95-49-8	
4-Chlorotoluene	ND ug/kg		7.4	1		11/05/09 06:21	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		7.4	1		11/05/09 06:21	96-12-8	
Dibromochloromethane	ND ug/kg		7.4	1		11/05/09 06:21	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		7.4	1		11/05/09 06:21	106-93-4	

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REPORT OF LABORATORY ANALYSIS

Page 45 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

Sample: TT-2139-1 Lab ID: 9256476014 Collected: 10/28/09 15:35 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromomethane	ND	ug/kg	7.4	1		11/05/09 06:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	7.4	1		11/05/09 06:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.4	1		11/05/09 06:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.4	1		11/05/09 06:21	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	14.7	1		11/05/09 06:21	75-71-8	
1,1-Dichloroethane	ND	ug/kg	7.4	1		11/05/09 06:21	75-34-3	
1,2-Dichloroethane	ND	ug/kg	7.4	1		11/05/09 06:21	107-06-2	
1,1-Dichloroethene	ND	ug/kg	7.4	1		11/05/09 06:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	7.4	1		11/05/09 06:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	7.4	1		11/05/09 06:21	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.4	1		11/05/09 06:21	78-87-5	
1,3-Dichloropropane	ND	ug/kg	7.4	1		11/05/09 06:21	142-28-9	
2,2-Dichloropropane	ND	ug/kg	7.4	1		11/05/09 06:21	594-20-7	
1,1-Dichloropropene	ND	ug/kg	7.4	1		11/05/09 06:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	7.4	1		11/05/09 06:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.4	1		11/05/09 06:21	10061-02-6	
Diisopropyl ether	ND	ug/kg	7.4	1		11/05/09 06:21	108-20-3	
Ethylbenzene	ND	ug/kg	7.4	1		11/05/09 06:21	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	7.4	1		11/05/09 06:21	87-68-3	
2-Hexanone	ND	ug/kg	73.7	1		11/05/09 06:21	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	7.4	1		11/05/09 06:21	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.4	1		11/05/09 06:21	99-87-6	
Methylene Chloride	ND	ug/kg	29.5	1		11/05/09 06:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	73.7	1		11/05/09 06:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	7.4	1		11/05/09 06:21	1634-04-4	
Naphthalene	ND	ug/kg	7.4	1		11/05/09 06:21	91-20-3	
n-Propylbenzene	ND	ug/kg	7.4	1		11/05/09 06:21	103-65-1	
Styrene	ND	ug/kg	7.4	1		11/05/09 06:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	7.4	1		11/05/09 06:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7.4	1		11/05/09 06:21	79-34-5	
Tetrachloroethene	ND	ug/kg	7.4	1		11/05/09 06:21	127-18-4	
Toluene	ND	ug/kg	7.4	1		11/05/09 06:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	7.4	1		11/05/09 06:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	7.4	1		11/05/09 06:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	7.4	1		11/05/09 06:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	7.4	1		11/05/09 06:21	79-00-5	
Trichloroethene	ND	ug/kg	7.4	1		11/05/09 06:21	79-01-6	
Trichlorofluoromethane	ND	ug/kg	7.4	1		11/05/09 06:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	7.4	1		11/05/09 06:21	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	7.4	1		11/05/09 06:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	7.4	1		11/05/09 06:21	108-67-8	
Vinyl acetate	ND	ug/kg	73.7	1		11/05/09 06:21	108-05-4	
Vinyl chloride	ND	ug/kg	14.7	1		11/05/09 06:21	75-01-4	
Xylene (Total)	ND	ug/kg	14.7	1		11/05/09 06:21	1330-20-7	
m&p-Xylene	ND	ug/kg	14.7	1		11/05/09 06:21	1330-20-7	
o-Xylene	ND	ug/kg	7.4	1		11/05/09 06:21	95-47-6	

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REPORT OF LABORATORY ANALYSIS

Page 46 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2139-1 Lab ID: 9256476014 Collected: 10/28/09 15:35 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromofluoromethane (S)	101 %		79-116	1		11/05/09 06:21	1868-53-7	
Toluene-d8 (S)	100 %		88-110	1		11/05/09 06:21	2037-26-5	
4-Bromofluorobenzene (S)	102 %		74-115	1		11/05/09 06:21	460-00-4	
1,2-Dichloroethane-d4 (S)	111 %		69-121	1		11/05/09 06:21	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	21.5 %		0.10	1		11/03/09 17:10		

ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2139-2 Lab ID: 9256476015 Collected: 10/28/09 16:05 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND	mg/kg	6.1	1	11/04/09 12:00	11/05/09 20:42	68334-30-5	
n-Pentacosane (S)	69	%	50-135	1	11/04/09 12:00	11/05/09 20:42	629-99-2	
MADEP EPH NC Soil								
Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND	mg/kg	12.1	1	11/03/09 10:45	11/09/09 13:31		
Aliphatic (C19-C36)	ND	mg/kg	12.1	1	11/03/09 10:45	11/09/09 13:31		
Aromatic (C11-C22)	ND	mg/kg	12.1	1	11/03/09 10:45	11/10/09 01:13		
Nonatriacontane (S)	72	%	40-140	1	11/03/09 10:45	11/09/09 13:31	7194-86-7	
o-Terphenyl (S)	73	%	40-140	1	11/03/09 10:45	11/10/09 01:13	84-15-1	
2-Fluorobiphenyl (S)	87	%	40-140	1	11/03/09 10:45	11/10/09 01:13	321-60-8	
2-Bromonaphthalene (S)	88	%	40-140	1	11/03/09 10:45	11/10/09 01:13	580-13-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND	mg/kg	5.4	1	11/05/09 07:16	11/09/09 08:14	8006-61-9	
4-Bromofluorobenzene (S)	123	%	50-135	1	11/05/09 07:16	11/09/09 08:14	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND	mg/kg	8.9	1	11/05/09 07:49	11/06/09 09:45		
Aliphatic (C09-C12)	ND	mg/kg	8.9	1	11/05/09 07:49	11/06/09 09:45		
Aromatic (C09-C10)	ND	mg/kg	8.9	1	11/05/09 07:49	11/06/09 09:45		
2,5-Dibromotoluene (PID)(S)	116	%	70-130	1	11/05/09 07:49	11/06/09 09:45		
2,5-Dibromotoluene (FID)(S)	124	%	70-130	1	11/05/09 07:49	11/06/09 09:45		
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND	ug/kg	94.4	1		11/05/09 15:54	67-64-1	
Benzene	ND	ug/kg	4.7	1		11/05/09 15:54	71-43-2	
Bromobenzene	ND	ug/kg	4.7	1		11/05/09 15:54	108-86-1	
Bromochloromethane	ND	ug/kg	4.7	1		11/05/09 15:54	74-97-5	
Bromodichloromethane	ND	ug/kg	4.7	1		11/05/09 15:54	75-27-4	
Bromoform	ND	ug/kg	4.7	1		11/05/09 15:54	75-25-2	
Bromomethane	ND	ug/kg	9.4	1		11/05/09 15:54	74-83-9	
2-Butanone (MEK)	ND	ug/kg	94.4	1		11/05/09 15:54	78-93-3	
n-Butylbenzene	ND	ug/kg	4.7	1		11/05/09 15:54	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.7	1		11/05/09 15:54	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.7	1		11/05/09 15:54	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.7	1		11/05/09 15:54	56-23-5	
Chlorobenzene	ND	ug/kg	4.7	1		11/05/09 15:54	108-90-7	
Chloroethane	ND	ug/kg	9.4	1		11/05/09 15:54	75-00-3	
Chloroform	ND	ug/kg	4.7	1		11/05/09 15:54	67-66-3	
Chloromethane	ND	ug/kg	9.4	1		11/05/09 15:54	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.7	1		11/05/09 15:54	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.7	1		11/05/09 15:54	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.7	1		11/05/09 15:54	96-12-8	
Dibromochloromethane	ND	ug/kg	4.7	1		11/05/09 15:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.7	1		11/05/09 15:54	106-93-4	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 48 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

Sample: TT-2139-2 Lab ID: 9256476015 Collected: 10/28/09 16:05 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromomethane	ND	ug/kg	4.7	1		11/05/09 15:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.7	1		11/05/09 15:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.7	1		11/05/09 15:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.7	1		11/05/09 15:54	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.4	1		11/05/09 15:54	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.7	1		11/05/09 15:54	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.7	1		11/05/09 15:54	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.7	1		11/05/09 15:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.7	1		11/05/09 15:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.7	1		11/05/09 15:54	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.7	1		11/05/09 15:54	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.7	1		11/05/09 15:54	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.7	1		11/05/09 15:54	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.7	1		11/05/09 15:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.7	1		11/05/09 15:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.7	1		11/05/09 15:54	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.7	1		11/05/09 15:54	108-20-3	
Ethylbenzene	ND	ug/kg	4.7	1		11/05/09 15:54	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.7	1		11/05/09 15:54	87-68-3	
2-Hexanone	ND	ug/kg	47.2	1		11/05/09 15:54	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	1		11/05/09 15:54	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.7	1		11/05/09 15:54	99-87-6	
Methylene Chloride	ND	ug/kg	18.9	1		11/05/09 15:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	47.2	1		11/05/09 15:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	1		11/05/09 15:54	1634-04-4	
Naphthalene	ND	ug/kg	4.7	1		11/05/09 15:54	91-20-3	
n-Propylbenzene	ND	ug/kg	4.7	1		11/05/09 15:54	103-65-1	
Styrene	ND	ug/kg	4.7	1		11/05/09 15:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.7	1		11/05/09 15:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1		11/05/09 15:54	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	1		11/05/09 15:54	127-18-4	
Toluene	ND	ug/kg	4.7	1		11/05/09 15:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.7	1		11/05/09 15:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1		11/05/09 15:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	1		11/05/09 15:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	1		11/05/09 15:54	79-00-5	
Trichloroethene	ND	ug/kg	4.7	1		11/05/09 15:54	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.7	1		11/05/09 15:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.7	1		11/05/09 15:54	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.7	1		11/05/09 15:54	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	1		11/05/09 15:54	108-67-8	
Vinyl acetate	ND	ug/kg	47.2	1		11/05/09 15:54	108-05-4	
Vinyl chloride	ND	ug/kg	9.4	1		11/05/09 15:54	75-01-4	
Xylene (Total)	ND	ug/kg	9.4	1		11/05/09 15:54	1330-20-7	
m&p-Xylene	ND	ug/kg	9.4	1		11/05/09 15:54	1330-20-7	
o-Xylene	ND	ug/kg	4.7	1		11/05/09 15:54	95-47-6	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 49 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2139-2 **Lab ID:** 9256476015 **Collected:** 10/28/09 16:05 **Received:** 10/30/09 12:55 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromofluoromethane (S)	99 %		79-116	1		11/05/09 15:54	1868-53-7	
Toluene-d8 (S)	101 %		88-110	1		11/05/09 15:54	2037-26-5	
4-Bromofluorobenzene (S)	97 %		74-115	1		11/05/09 15:54	460-00-4	
1,2-Dichloroethane-d4 (S)	108 %		69-121	1		11/05/09 15:54	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	17.5 %		0.10	1		11/03/09 17:10		

ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

Sample: TT-2139-4 Lab ID: 9256476016 Collected: 10/28/09 16:20 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		6.2	1	11/04/09 12:00	11/05/09 21:12	68334-30-5	
n-Pentacosane (S)	60 %		50-135	1	11/04/09 12:00	11/05/09 21:12	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		12.3	1	11/04/09 16:30	11/11/09 21:52		
Aliphatic (C19-C36)	ND mg/kg		12.3	1	11/04/09 16:30	11/11/09 21:52		
Aromatic (C11-C22)	ND mg/kg		12.3	1	11/04/09 16:30	11/12/09 19:27		
Nonatriacontane (S)	70 %		40-140	1	11/04/09 16:30	11/11/09 21:52	7194-86-7	
o-Terphenyl (S)	53 %		40-140	1	11/04/09 16:30	11/12/09 19:27	84-15-1	
2-Fluorobiphenyl (S)	69 %		40-140	1	11/04/09 16:30	11/12/09 19:27	321-60-8	
2-Bromonaphthalene (S)	67 %		40-140	1	11/04/09 16:30	11/12/09 19:27	580-13-2	
Gasoline Range Organics Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		5.4	1	11/05/09 07:16	11/09/09 08:39	8006-61-9	
4-Bromofluorobenzene (S)	101 %		50-135	1	11/05/09 07:16	11/09/09 08:39	460-00-4	
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		9.0	1	11/05/09 07:49	11/06/09 10:10		
Aliphatic (C09-C12)	ND mg/kg		9.0	1	11/05/09 07:49	11/06/09 10:10		
Aromatic (C09-C10)	ND mg/kg		9.0	1	11/05/09 07:49	11/06/09 10:10		
2,5-Dibromotoluene (PID)(S)	139 %		70-130	1	11/05/09 07:49	11/06/09 10:10		S3
2,5-Dibromotoluene (FID)(S)	142 %		70-130	1	11/05/09 07:49	11/06/09 10:10		S3
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Acetone	ND ug/kg		94.9	1		11/05/09 16:12	67-64-1	
Benzene	ND ug/kg		4.7	1		11/05/09 16:12	71-43-2	
Bromobenzene	ND ug/kg		4.7	1		11/05/09 16:12	108-86-1	
Bromochloromethane	ND ug/kg		4.7	1		11/05/09 16:12	74-97-5	
Bromodichloromethane	ND ug/kg		4.7	1		11/05/09 16:12	75-27-4	
Bromoform	ND ug/kg		4.7	1		11/05/09 16:12	75-25-2	
Bromomethane	ND ug/kg		9.5	1		11/05/09 16:12	74-83-9	
2-Butanone (MEK)	ND ug/kg		94.9	1		11/05/09 16:12	78-93-3	
n-Butylbenzene	ND ug/kg		4.7	1		11/05/09 16:12	104-51-8	
sec-Butylbenzene	ND ug/kg		4.7	1		11/05/09 16:12	135-98-8	
tert-Butylbenzene	ND ug/kg		4.7	1		11/05/09 16:12	98-06-6	
Carbon tetrachloride	ND ug/kg		4.7	1		11/05/09 16:12	56-23-5	
Chlorobenzene	ND ug/kg		4.7	1		11/05/09 16:12	108-90-7	
Chloroethane	ND ug/kg		9.5	1		11/05/09 16:12	75-00-3	
Chloroform	ND ug/kg		4.7	1		11/05/09 16:12	67-66-3	
Chloromethane	ND ug/kg		9.5	1		11/05/09 16:12	74-87-3	
2-Chlorotoluene	ND ug/kg		4.7	1		11/05/09 16:12	95-49-8	
4-Chlorotoluene	ND ug/kg		4.7	1		11/05/09 16:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		4.7	1		11/05/09 16:12	96-12-8	
Dibromochloromethane	ND ug/kg		4.7	1		11/05/09 16:12	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.7	1		11/05/09 16:12	106-93-4	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 51 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

Sample: TT-2139-4 Lab ID: 9256476016 Collected: 10/28/09 16:20 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromomethane	ND	ug/kg	4.7	1		11/05/09 16:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.7	1		11/05/09 16:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.7	1		11/05/09 16:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.7	1		11/05/09 16:12	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.5	1		11/05/09 16:12	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.7	1		11/05/09 16:12	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.7	1		11/05/09 16:12	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.7	1		11/05/09 16:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.7	1		11/05/09 16:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.7	1		11/05/09 16:12	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.7	1		11/05/09 16:12	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.7	1		11/05/09 16:12	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.7	1		11/05/09 16:12	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.7	1		11/05/09 16:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.7	1		11/05/09 16:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.7	1		11/05/09 16:12	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.7	1		11/05/09 16:12	108-20-3	
Ethylbenzene	ND	ug/kg	4.7	1		11/05/09 16:12	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.7	1		11/05/09 16:12	87-68-3	
2-Hexanone	ND	ug/kg	47.5	1		11/05/09 16:12	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	1		11/05/09 16:12	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.7	1		11/05/09 16:12	99-87-6	
Methylene Chloride	ND	ug/kg	19.0	1		11/05/09 16:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	47.5	1		11/05/09 16:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	1		11/05/09 16:12	1634-04-4	
Naphthalene	ND	ug/kg	4.7	1		11/05/09 16:12	91-20-3	
n-Propylbenzene	ND	ug/kg	4.7	1		11/05/09 16:12	103-65-1	
Styrene	ND	ug/kg	4.7	1		11/05/09 16:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.7	1		11/05/09 16:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1		11/05/09 16:12	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	1		11/05/09 16:12	127-18-4	
Toluene	ND	ug/kg	4.7	1		11/05/09 16:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.7	1		11/05/09 16:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1		11/05/09 16:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	1		11/05/09 16:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	1		11/05/09 16:12	79-00-5	
Trichloroethene	ND	ug/kg	4.7	1		11/05/09 16:12	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.7	1		11/05/09 16:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.7	1		11/05/09 16:12	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.7	1		11/05/09 16:12	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	1		11/05/09 16:12	108-67-8	
Vinyl acetate	ND	ug/kg	47.5	1		11/05/09 16:12	108-05-4	
Vinyl chloride	ND	ug/kg	9.5	1		11/05/09 16:12	75-01-4	
Xylene (Total)	ND	ug/kg	9.5	1		11/05/09 16:12	1330-20-7	
m&p-Xylene	ND	ug/kg	9.5	1		11/05/09 16:12	1330-20-7	
o-Xylene	ND	ug/kg	4.7	1		11/05/09 16:12	95-47-6	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 52 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2139-4 **Lab ID:** 9256476016 **Collected:** 10/28/09 16:20 **Received:** 10/30/09 12:55 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromofluoromethane (S)	93 %		79-116	1		11/05/09 16:12	1868-53-7	
Toluene-d8 (S)	100 %		88-110	1		11/05/09 16:12	2037-26-5	
4-Bromofluorobenzene (S)	96 %		74-115	1		11/05/09 16:12	460-00-4	
1,2-Dichloroethane-d4 (S)	94 %		69-121	1		11/05/09 16:12	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	18.9 %		0.10	1		11/03/09 17:10		

ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2139-3 Lab ID: 9256476017 Collected: 10/28/09 16:50 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		6.4	1	11/04/09 12:00	11/05/09 21:12	68334-30-5	
n-Pentacosane (S)	52 %		50-135	1	11/04/09 12:00	11/05/09 21:12	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		12.8	1	11/04/09 16:30	11/11/09 22:26		
Aliphatic (C19-C36)	ND mg/kg		12.8	1	11/04/09 16:30	11/11/09 22:26		
Aromatic (C11-C22)	ND mg/kg		12.8	1	11/04/09 16:30	11/12/09 20:01		
Nonatriacontane (S)	73 %		40-140	1	11/04/09 16:30	11/11/09 22:26	7194-86-7	
o-Terphenyl (S)	49 %		40-140	1	11/04/09 16:30	11/12/09 20:01	84-15-1	
2-Fluorobiphenyl (S)	68 %		40-140	1	11/04/09 16:30	11/12/09 20:01	321-60-8	
2-Bromonaphthalene (S)	69 %		40-140	1	11/04/09 16:30	11/12/09 20:01	580-13-2	
Gasoline Range Organics Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		6.1	1	11/05/09 07:16	11/09/09 09:03	8006-61-9	
4-Bromofluorobenzene (S)	101 %		50-135	1	11/05/09 07:16	11/09/09 09:03	460-00-4	
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		10.2	1	11/05/09 07:49	11/06/09 10:34		
Aliphatic (C09-C12)	ND mg/kg		10.2	1	11/05/09 07:49	11/06/09 10:34		
Aromatic (C09-C10)	ND mg/kg		10.2	1	11/05/09 07:49	11/06/09 10:34		
2,5-Dibromotoluene (PID)(S)	104 %		70-130	1	11/05/09 07:49	11/06/09 10:34		
2,5-Dibromotoluene (FID)(S)	108 %		70-130	1	11/05/09 07:49	11/06/09 10:34		
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Acetone	ND ug/kg		82.1	1		11/05/09 16:30	67-64-1	
Benzene	ND ug/kg		4.1	1		11/05/09 16:30	71-43-2	
Bromobenzene	ND ug/kg		4.1	1		11/05/09 16:30	108-86-1	
Bromochloromethane	ND ug/kg		4.1	1		11/05/09 16:30	74-97-5	
Bromodichloromethane	ND ug/kg		4.1	1		11/05/09 16:30	75-27-4	
Bromoform	ND ug/kg		4.1	1		11/05/09 16:30	75-25-2	
Bromomethane	ND ug/kg		8.2	1		11/05/09 16:30	74-83-9	
2-Butanone (MEK)	ND ug/kg		82.1	1		11/05/09 16:30	78-93-3	
n-Butylbenzene	ND ug/kg		4.1	1		11/05/09 16:30	104-51-8	
sec-Butylbenzene	ND ug/kg		4.1	1		11/05/09 16:30	135-98-8	
tert-Butylbenzene	ND ug/kg		4.1	1		11/05/09 16:30	98-06-6	
Carbon tetrachloride	ND ug/kg		4.1	1		11/05/09 16:30	56-23-5	
Chlorobenzene	ND ug/kg		4.1	1		11/05/09 16:30	108-90-7	
Chloroethane	ND ug/kg		8.2	1		11/05/09 16:30	75-00-3	
Chloroform	ND ug/kg		4.1	1		11/05/09 16:30	67-66-3	
Chloromethane	ND ug/kg		8.2	1		11/05/09 16:30	74-87-3	
2-Chlorotoluene	ND ug/kg		4.1	1		11/05/09 16:30	95-49-8	
4-Chlorotoluene	ND ug/kg		4.1	1		11/05/09 16:30	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		4.1	1		11/05/09 16:30	96-12-8	
Dibromochloromethane	ND ug/kg		4.1	1		11/05/09 16:30	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.1	1		11/05/09 16:30	106-93-4	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 54 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

Sample: TT-2139-3 Lab ID: 9256476017 Collected: 10/28/09 16:50 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromomethane	ND	ug/kg	4.1	1		11/05/09 16:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.1	1		11/05/09 16:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.1	1		11/05/09 16:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.1	1		11/05/09 16:30	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.2	1		11/05/09 16:30	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.1	1		11/05/09 16:30	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.1	1		11/05/09 16:30	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.1	1		11/05/09 16:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.1	1		11/05/09 16:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.1	1		11/05/09 16:30	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.1	1		11/05/09 16:30	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.1	1		11/05/09 16:30	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.1	1		11/05/09 16:30	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.1	1		11/05/09 16:30	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.1	1		11/05/09 16:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.1	1		11/05/09 16:30	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.1	1		11/05/09 16:30	108-20-3	
Ethylbenzene	ND	ug/kg	4.1	1		11/05/09 16:30	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.1	1		11/05/09 16:30	87-68-3	
2-Hexanone	ND	ug/kg	41.0	1		11/05/09 16:30	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.1	1		11/05/09 16:30	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.1	1		11/05/09 16:30	99-87-6	
Methylene Chloride	ND	ug/kg	16.4	1		11/05/09 16:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	41.0	1		11/05/09 16:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.1	1		11/05/09 16:30	1634-04-4	
Naphthalene	ND	ug/kg	4.1	1		11/05/09 16:30	91-20-3	
n-Propylbenzene	ND	ug/kg	4.1	1		11/05/09 16:30	103-65-1	
Styrene	ND	ug/kg	4.1	1		11/05/09 16:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.1	1		11/05/09 16:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.1	1		11/05/09 16:30	79-34-5	
Tetrachloroethene	ND	ug/kg	4.1	1		11/05/09 16:30	127-18-4	
Toluene	ND	ug/kg	4.1	1		11/05/09 16:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.1	1		11/05/09 16:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.1	1		11/05/09 16:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.1	1		11/05/09 16:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.1	1		11/05/09 16:30	79-00-5	
Trichloroethene	ND	ug/kg	4.1	1		11/05/09 16:30	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.1	1		11/05/09 16:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.1	1		11/05/09 16:30	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.1	1		11/05/09 16:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.1	1		11/05/09 16:30	108-67-8	
Vinyl acetate	ND	ug/kg	41.0	1		11/05/09 16:30	108-05-4	
Vinyl chloride	ND	ug/kg	8.2	1		11/05/09 16:30	75-01-4	
Xylene (Total)	ND	ug/kg	8.2	1		11/05/09 16:30	1330-20-7	
m&p-Xylene	ND	ug/kg	8.2	1		11/05/09 16:30	1330-20-7	
o-Xylene	ND	ug/kg	4.1	1		11/05/09 16:30	95-47-6	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 55 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

Sample: TT-2139-3 **Lab ID:** 9256476017 **Collected:** 10/28/09 16:50 **Received:** 10/30/09 12:55 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromofluoromethane (S)	94 %		79-116	1		11/05/09 16:30	1868-53-7	
Toluene-d8 (S)	100 %		88-110	1		11/05/09 16:30	2037-26-5	
4-Bromofluorobenzene (S)	99 %		74-115	1		11/05/09 16:30	460-00-4	
1,2-Dichloroethane-d4 (S)	95 %		69-121	1		11/05/09 16:30	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	21.7 %		0.10	1		11/03/09 17:11		

ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2139-B-8.5 Lab ID: 9256476018 Collected: 10/29/09 09:20 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND	mg/kg	5.8	1	11/04/09 12:00	11/05/09 21:40	68334-30-5	
n-Pentacosane (S)	70	%	50-135	1	11/04/09 12:00	11/05/09 21:40	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND	mg/kg	11.7	1	11/04/09 16:30	11/11/09 22:59		
Aliphatic (C19-C36)	ND	mg/kg	11.7	1	11/04/09 16:30	11/11/09 22:59		
Aromatic (C11-C22)	ND	mg/kg	11.7	1	11/04/09 16:30	11/12/09 20:34		
Nonatriacontane (S)	65	%	40-140	1	11/04/09 16:30	11/11/09 22:59	7194-86-7	
o-Terphenyl (S)	82	%	40-140	1	11/04/09 16:30	11/12/09 20:34	84-15-1	
2-Fluorobiphenyl (S)	109	%	40-140	1	11/04/09 16:30	11/12/09 20:34	321-60-8	
2-Bromonaphthalene (S)	111	%	40-140	1	11/04/09 16:30	11/12/09 20:34	580-13-2	
Gasoline Range Organics Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND	mg/kg	5.8	1	11/05/09 07:16	11/09/09 09:27	8006-61-9	
4-Bromofluorobenzene (S)	119	%	50-135	1	11/05/09 07:16	11/09/09 09:27	460-00-4	
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND	mg/kg	9.7	1	11/05/09 07:49	11/06/09 10:58		
Aliphatic (C09-C12)	ND	mg/kg	9.7	1	11/05/09 07:49	11/06/09 10:58		
Aromatic (C09-C10)	ND	mg/kg	9.7	1	11/05/09 07:49	11/06/09 10:58		
2,5-Dibromotoluene (PID)(S)	125	%	70-130	1	11/05/09 07:49	11/06/09 10:58		
2,5-Dibromotoluene (FID)(S)	131	%	70-130	1	11/05/09 07:49	11/06/09 10:58		S3
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Acetone	ND	ug/kg	85.8	1		11/06/09 17:03	67-64-1	
Benzene	ND	ug/kg	4.3	1		11/06/09 17:03	71-43-2	
Bromobenzene	ND	ug/kg	4.3	1		11/06/09 17:03	108-86-1	
Bromochloromethane	ND	ug/kg	4.3	1		11/06/09 17:03	74-97-5	
Bromodichloromethane	ND	ug/kg	4.3	1		11/06/09 17:03	75-27-4	
Bromoform	ND	ug/kg	4.3	1		11/06/09 17:03	75-25-2	
Bromomethane	ND	ug/kg	8.6	1		11/06/09 17:03	74-83-9	
2-Butanone (MEK)	ND	ug/kg	85.8	1		11/06/09 17:03	78-93-3	
n-Butylbenzene	ND	ug/kg	4.3	1		11/06/09 17:03	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.3	1		11/06/09 17:03	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.3	1		11/06/09 17:03	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.3	1		11/06/09 17:03	56-23-5	
Chlorobenzene	ND	ug/kg	4.3	1		11/06/09 17:03	108-90-7	
Chloroethane	ND	ug/kg	8.6	1		11/06/09 17:03	75-00-3	
Chloroform	ND	ug/kg	4.3	1		11/06/09 17:03	67-66-3	
Chloromethane	ND	ug/kg	8.6	1		11/06/09 17:03	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.3	1		11/06/09 17:03	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.3	1		11/06/09 17:03	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.3	1		11/06/09 17:03	96-12-8	
Dibromochloromethane	ND	ug/kg	4.3	1		11/06/09 17:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.3	1		11/06/09 17:03	106-93-4	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 57 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

Sample: TT-2139-B-8.5 Lab ID: 9256476018 Collected: 10/29/09 09:20 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromomethane	ND	ug/kg	4.3	1		11/06/09 17:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.3	1		11/06/09 17:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.3	1		11/06/09 17:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.3	1		11/06/09 17:03	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.6	1		11/06/09 17:03	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.3	1		11/06/09 17:03	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.3	1		11/06/09 17:03	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.3	1		11/06/09 17:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.3	1		11/06/09 17:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.3	1		11/06/09 17:03	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.3	1		11/06/09 17:03	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.3	1		11/06/09 17:03	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.3	1		11/06/09 17:03	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.3	1		11/06/09 17:03	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.3	1		11/06/09 17:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.3	1		11/06/09 17:03	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.3	1		11/06/09 17:03	108-20-3	
Ethylbenzene	ND	ug/kg	4.3	1		11/06/09 17:03	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.3	1		11/06/09 17:03	87-68-3	
2-Hexanone	ND	ug/kg	42.9	1		11/06/09 17:03	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.3	1		11/06/09 17:03	98-82-8	
p-Isopropyltoluene	4.6	ug/kg	4.3	1		11/06/09 17:03	99-87-6	
Methylene Chloride	ND	ug/kg	17.2	1		11/06/09 17:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	42.9	1		11/06/09 17:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.3	1		11/06/09 17:03	1634-04-4	
Naphthalene	4.8	ug/kg	4.3	1		11/06/09 17:03	91-20-3	
n-Propylbenzene	ND	ug/kg	4.3	1		11/06/09 17:03	103-65-1	
Styrene	ND	ug/kg	4.3	1		11/06/09 17:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.3	1		11/06/09 17:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.3	1		11/06/09 17:03	79-34-5	
Tetrachloroethene	ND	ug/kg	4.3	1		11/06/09 17:03	127-18-4	
Toluene	ND	ug/kg	4.3	1		11/06/09 17:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.3	1		11/06/09 17:03	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.3	1		11/06/09 17:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.3	1		11/06/09 17:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.3	1		11/06/09 17:03	79-00-5	
Trichloroethene	ND	ug/kg	4.3	1		11/06/09 17:03	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.3	1		11/06/09 17:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.3	1		11/06/09 17:03	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.3	1		11/06/09 17:03	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.3	1		11/06/09 17:03	108-67-8	
Vinyl acetate	ND	ug/kg	42.9	1		11/06/09 17:03	108-05-4	
Vinyl chloride	ND	ug/kg	8.6	1		11/06/09 17:03	75-01-4	
Xylene (Total)	ND	ug/kg	8.6	1		11/06/09 17:03	1330-20-7	
m&p-Xylene	ND	ug/kg	8.6	1		11/06/09 17:03	1330-20-7	
o-Xylene	ND	ug/kg	4.3	1		11/06/09 17:03	95-47-6	

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REPORT OF LABORATORY ANALYSIS

Page 58 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2139-B-8.5 Lab ID: 9256476018 Collected: 10/29/09 09:20 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromofluoromethane (S)	97 %		79-116	1		11/06/09 17:03	1868-53-7	
Toluene-d8 (S)	100 %		88-110	1		11/06/09 17:03	2037-26-5	
4-Bromofluorobenzene (S)	103 %		74-115	1		11/06/09 17:03	460-00-4	
1,2-Dichloroethane-d4 (S)	105 %		69-121	1		11/06/09 17:03	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	14.4 %		0.10	1		11/03/09 17:11		

ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2969-2 Lab ID: 9256476019 Collected: 10/29/09 12:10 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		6.2	1	11/04/09 12:00	11/05/09 21:40	68334-30-5	
n-Pentacosane (S)	60 %		50-135	1	11/04/09 12:00	11/05/09 21:40	629-99-2	
MADEP EPH NC Soil								
Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		12.4	1	11/04/09 16:30	11/11/09 23:32		
Aliphatic (C19-C36)	ND mg/kg		12.4	1	11/04/09 16:30	11/11/09 23:32		
Aromatic (C11-C22)	ND mg/kg		12.4	1	11/04/09 16:30	11/12/09 21:08		
Nonatriacontane (S)	68 %		40-140	1	11/04/09 16:30	11/11/09 23:32	7194-86-7	
o-Terphenyl (S)	91 %		40-140	1	11/04/09 16:30	11/12/09 21:08	84-15-1	
2-Fluorobiphenyl (S)	115 %		40-140	1	11/04/09 16:30	11/12/09 21:08	321-60-8	
2-Bromonaphthalene (S)	118 %		40-140	1	11/04/09 16:30	11/12/09 21:08	580-13-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		5.5	1	11/05/09 07:16	11/09/09 09:51	8006-61-9	
4-Bromofluorobenzene (S)	134 %		50-135	1	11/05/09 07:16	11/09/09 09:51	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		9.2	1	11/05/09 07:49	11/06/09 11:22		
Aliphatic (C09-C12)	ND mg/kg		9.2	1	11/05/09 07:49	11/06/09 11:22		
Aromatic (C09-C10)	ND mg/kg		9.2	1	11/05/09 07:49	11/06/09 11:22		
2,5-Dibromotoluene (PID)(S)	111 %		70-130	1	11/05/09 07:49	11/06/09 11:22		
2,5-Dibromotoluene (FID)(S)	116 %		70-130	1	11/05/09 07:49	11/06/09 11:22		
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND ug/kg		91.2	1		11/05/09 16:49	67-64-1	
Benzene	ND ug/kg		4.6	1		11/05/09 16:49	71-43-2	
Bromobenzene	ND ug/kg		4.6	1		11/05/09 16:49	108-86-1	
Bromochloromethane	ND ug/kg		4.6	1		11/05/09 16:49	74-97-5	
Bromodichloromethane	ND ug/kg		4.6	1		11/05/09 16:49	75-27-4	
Bromoform	ND ug/kg		4.6	1		11/05/09 16:49	75-25-2	
Bromomethane	ND ug/kg		9.1	1		11/05/09 16:49	74-83-9	
2-Butanone (MEK)	ND ug/kg		91.2	1		11/05/09 16:49	78-93-3	
n-Butylbenzene	ND ug/kg		4.6	1		11/05/09 16:49	104-51-8	
sec-Butylbenzene	ND ug/kg		4.6	1		11/05/09 16:49	135-98-8	
tert-Butylbenzene	ND ug/kg		4.6	1		11/05/09 16:49	98-06-6	
Carbon tetrachloride	ND ug/kg		4.6	1		11/05/09 16:49	56-23-5	
Chlorobenzene	ND ug/kg		4.6	1		11/05/09 16:49	108-90-7	
Chloroethane	ND ug/kg		9.1	1		11/05/09 16:49	75-00-3	
Chloroform	ND ug/kg		4.6	1		11/05/09 16:49	67-66-3	
Chloromethane	ND ug/kg		9.1	1		11/05/09 16:49	74-87-3	
2-Chlorotoluene	ND ug/kg		4.6	1		11/05/09 16:49	95-49-8	
4-Chlorotoluene	ND ug/kg		4.6	1		11/05/09 16:49	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		4.6	1		11/05/09 16:49	96-12-8	
Dibromochloromethane	ND ug/kg		4.6	1		11/05/09 16:49	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.6	1		11/05/09 16:49	106-93-4	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 60 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

Sample: TT-2969-2 Lab ID: 9256476019 Collected: 10/29/09 12:10 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromomethane	ND	ug/kg	4.6	1		11/05/09 16:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1		11/05/09 16:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1		11/05/09 16:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1		11/05/09 16:49	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.1	1		11/05/09 16:49	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1		11/05/09 16:49	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	1		11/05/09 16:49	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1		11/05/09 16:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1		11/05/09 16:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1		11/05/09 16:49	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1		11/05/09 16:49	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.6	1		11/05/09 16:49	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.6	1		11/05/09 16:49	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.6	1		11/05/09 16:49	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1		11/05/09 16:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1		11/05/09 16:49	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.6	1		11/05/09 16:49	108-20-3	
Ethylbenzene	ND	ug/kg	4.6	1		11/05/09 16:49	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	1		11/05/09 16:49	87-68-3	
2-Hexanone	ND	ug/kg	45.6	1		11/05/09 16:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1		11/05/09 16:49	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1		11/05/09 16:49	99-87-6	
Methylene Chloride	ND	ug/kg	18.2	1		11/05/09 16:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	45.6	1		11/05/09 16:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1		11/05/09 16:49	1634-04-4	
Naphthalene	ND	ug/kg	4.6	1		11/05/09 16:49	91-20-3	
n-Propylbenzene	ND	ug/kg	4.6	1		11/05/09 16:49	103-65-1	
Styrene	ND	ug/kg	4.6	1		11/05/09 16:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1		11/05/09 16:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1		11/05/09 16:49	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1		11/05/09 16:49	127-18-4	
Toluene	ND	ug/kg	4.6	1		11/05/09 16:49	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	1		11/05/09 16:49	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1		11/05/09 16:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1		11/05/09 16:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1		11/05/09 16:49	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1		11/05/09 16:49	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	1		11/05/09 16:49	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	1		11/05/09 16:49	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1		11/05/09 16:49	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1		11/05/09 16:49	108-67-8	
Vinyl acetate	ND	ug/kg	45.6	1		11/05/09 16:49	108-05-4	
Vinyl chloride	ND	ug/kg	9.1	1		11/05/09 16:49	75-01-4	
Xylene (Total)	ND	ug/kg	9.1	1		11/05/09 16:49	1330-20-7	
m&p-Xylene	ND	ug/kg	9.1	1		11/05/09 16:49	1330-20-7	
o-Xylene	ND	ug/kg	4.6	1		11/05/09 16:49	95-47-6	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 61 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank
Pace Project No.: 9256476

Sample: TT-2969-2 Lab ID: 9256476019 Collected: 10/29/09 12:10 Received: 10/30/09 12:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromofluoromethane (S)	94 %		79-116	1		11/05/09 16:49	1868-53-7	
Toluene-d8 (S)	100 %		88-110	1		11/05/09 16:49	2037-26-5	
4-Bromofluorobenzene (S)	99 %		74-115	1		11/05/09 16:49	460-00-4	
1,2-Dichloroethane-d4 (S)	97 %		69-121	1		11/05/09 16:49	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	19.6 %		0.10	1		11/03/09 17:14		

ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

Sample: TT-2969-4 **Lab ID:** 9256476020 **Collected:** 10/29/09 12:40 **Received:** 10/30/09 12:55 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		6.2	1	11/04/09 12:00	11/05/09 22:09	68334-30-5	
n-Pentacosane (S)	61 %		50-135	1	11/04/09 12:00	11/05/09 22:09	629-99-2	
MADEP EPH NC Soil								
Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		12.4	1	11/04/09 16:30	11/12/09 00:05		
Aliphatic (C19-C36)	ND mg/kg		12.4	1	11/04/09 16:30	11/12/09 00:05		
Aromatic (C11-C22)	ND mg/kg		12.4	1	11/04/09 16:30	11/12/09 21:42		
Nonatriacontane (S)	68 %		40-140	1	11/04/09 16:30	11/12/09 00:05	7194-86-7	
o-Terphenyl (S)	91 %		40-140	1	11/04/09 16:30	11/12/09 21:42	84-15-1	
2-Fluorobiphenyl (S)	88 %		40-140	1	11/04/09 16:30	11/12/09 21:42	321-60-8	
2-Bromonaphthalene (S)	106 %		40-140	1	11/04/09 16:30	11/12/09 21:42	580-13-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		5.4	1	11/05/09 07:16	11/09/09 10:15	8006-61-9	
4-Bromofluorobenzene (S)	143 %		50-135	1	11/05/09 07:16	11/09/09 10:15	460-00-4	S3
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		8.9	1	11/05/09 07:49	11/06/09 11:47		
Aliphatic (C09-C12)	ND mg/kg		8.9	1	11/05/09 07:49	11/06/09 11:47		
Aromatic (C09-C10)	ND mg/kg		8.9	1	11/05/09 07:49	11/06/09 11:47		
2,5-Dibromotoluene (PID)(S)	103 %		70-130	1	11/05/09 07:49	11/06/09 11:47		
2,5-Dibromotoluene (FID)(S)	107 %		70-130	1	11/05/09 07:49	11/06/09 11:47		
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND ug/kg		87.5	1		11/05/09 17:07	67-64-1	
Benzene	ND ug/kg		4.4	1		11/05/09 17:07	71-43-2	
Bromobenzene	ND ug/kg		4.4	1		11/05/09 17:07	108-86-1	
Bromochloromethane	ND ug/kg		4.4	1		11/05/09 17:07	74-97-5	
Bromodichloromethane	ND ug/kg		4.4	1		11/05/09 17:07	75-27-4	
Bromoform	ND ug/kg		4.4	1		11/05/09 17:07	75-25-2	
Bromomethane	ND ug/kg		8.8	1		11/05/09 17:07	74-83-9	
2-Butanone (MEK)	ND ug/kg		87.5	1		11/05/09 17:07	78-93-3	
n-Butylbenzene	ND ug/kg		4.4	1		11/05/09 17:07	104-51-8	
sec-Butylbenzene	ND ug/kg		4.4	1		11/05/09 17:07	135-98-8	
tert-Butylbenzene	ND ug/kg		4.4	1		11/05/09 17:07	98-06-6	
Carbon tetrachloride	ND ug/kg		4.4	1		11/05/09 17:07	56-23-5	
Chlorobenzene	ND ug/kg		4.4	1		11/05/09 17:07	108-90-7	
Chloroethane	ND ug/kg		8.8	1		11/05/09 17:07	75-00-3	
Chloroform	ND ug/kg		4.4	1		11/05/09 17:07	67-66-3	
Chloromethane	ND ug/kg		8.8	1		11/05/09 17:07	74-87-3	
2-Chlorotoluene	ND ug/kg		4.4	1		11/05/09 17:07	95-49-8	
4-Chlorotoluene	ND ug/kg		4.4	1		11/05/09 17:07	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		4.4	1		11/05/09 17:07	96-12-8	
Dibromochloromethane	ND ug/kg		4.4	1		11/05/09 17:07	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.4	1		11/05/09 17:07	106-93-4	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 63 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

Sample: TT-2969-4 **Lab ID:** 9256476020 **Collected:** 10/29/09 12:40 **Received:** 10/30/09 12:55 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromomethane	ND	ug/kg	4.4	1		11/05/09 17:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.4	1		11/05/09 17:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.4	1		11/05/09 17:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.4	1		11/05/09 17:07	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.8	1		11/05/09 17:07	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.4	1		11/05/09 17:07	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.4	1		11/05/09 17:07	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.4	1		11/05/09 17:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.4	1		11/05/09 17:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.4	1		11/05/09 17:07	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.4	1		11/05/09 17:07	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.4	1		11/05/09 17:07	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.4	1		11/05/09 17:07	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.4	1		11/05/09 17:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.4	1		11/05/09 17:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.4	1		11/05/09 17:07	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.4	1		11/05/09 17:07	108-20-3	
Ethylbenzene	ND	ug/kg	4.4	1		11/05/09 17:07	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.4	1		11/05/09 17:07	87-68-3	
2-Hexanone	ND	ug/kg	43.8	1		11/05/09 17:07	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.4	1		11/05/09 17:07	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.4	1		11/05/09 17:07	99-87-6	
Methylene Chloride	ND	ug/kg	17.5	1		11/05/09 17:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	43.8	1		11/05/09 17:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.4	1		11/05/09 17:07	1634-04-4	
Naphthalene	ND	ug/kg	4.4	1		11/05/09 17:07	91-20-3	
n-Propylbenzene	ND	ug/kg	4.4	1		11/05/09 17:07	103-65-1	
Styrene	ND	ug/kg	4.4	1		11/05/09 17:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.4	1		11/05/09 17:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.4	1		11/05/09 17:07	79-34-5	
Tetrachloroethene	ND	ug/kg	4.4	1		11/05/09 17:07	127-18-4	
Toluene	ND	ug/kg	4.4	1		11/05/09 17:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.4	1		11/05/09 17:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.4	1		11/05/09 17:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.4	1		11/05/09 17:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.4	1		11/05/09 17:07	79-00-5	
Trichloroethene	ND	ug/kg	4.4	1		11/05/09 17:07	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.4	1		11/05/09 17:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.4	1		11/05/09 17:07	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.4	1		11/05/09 17:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.4	1		11/05/09 17:07	108-67-8	
Vinyl acetate	ND	ug/kg	43.8	1		11/05/09 17:07	108-05-4	
Vinyl chloride	ND	ug/kg	8.8	1		11/05/09 17:07	75-01-4	
Xylene (Total)	ND	ug/kg	8.8	1		11/05/09 17:07	1330-20-7	
m&p-Xylene	ND	ug/kg	8.8	1		11/05/09 17:07	1330-20-7	
o-Xylene	ND	ug/kg	4.4	1		11/05/09 17:07	95-47-6	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 64 of 93

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

Sample: TT-2969-4 **Lab ID:** 9256476020 **Collected:** 10/29/09 12:40 **Received:** 10/30/09 12:55 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Dibromofluoromethane (S)	98 %		79-116	1		11/05/09 17:07	1868-53-7	
Toluene-d8 (S)	100 %		88-110	1		11/05/09 17:07	2037-26-5	
4-Bromofluorobenzene (S)	98 %		74-115	1		11/05/09 17:07	460-00-4	
1,2-Dichloroethane-d4 (S)	97 %		69-121	1		11/05/09 17:07	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	19.5 %		0.10	1		11/03/09 17:15		

QUALITY CONTROL DATA

Project: TT-II Tank Yank
Pace Project No.: 9256476

QC Batch: PMST/2851 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 9256476001, 9256476002, 9256476003, 9256476004, 9256476005, 9256476006, 9256476007, 9256476008, 9256476009, 9256476010, 9256476011, 9256476012, 9256476013, 9256476014, 9256476015, 9256476016, 9256476017, 9256476018

SAMPLE DUPLICATE: 359818

Parameter	Units	9256479001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	8.9	8.1	9	

SAMPLE DUPLICATE: 359819

Parameter	Units	9256476018 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	14.4	14.5	1	

QUALITY CONTROL DATA

Project: TT-II Tank Yank
Pace Project No.: 9256476

QC Batch: OEXT/8575 Analysis Method: MADEP EPH
QC Batch Method: MADEP EPH Analysis Description: MADEP EPH NC Soil
Associated Lab Samples: 9256476008

METHOD BLANK: 364696 Matrix: Solid
Associated Lab Samples: 9256476008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aliphatic (C09-C18)	mg/kg	ND	10.0	11/16/09 20:42	
Aliphatic (C19-C36)	mg/kg	ND	10.0	11/16/09 20:42	
Aromatic (C11-C22)	mg/kg	ND	10.0	11/17/09 11:07	
2-Bromonaphthalene (S)	%	88	40-140	11/17/09 11:07	
2-Fluorobiphenyl (S)	%	94	40-140	11/17/09 11:07	
Nonatriacontane (S)	%	77	40-140	11/16/09 20:42	
o-Terphenyl (S)	%	77	40-140	11/17/09 11:07	

LABORATORY CONTROL SAMPLE & LCSD: 364697		364698								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C09-C18)	mg/kg	10	ND	ND	67	50	40-140		50	
Aliphatic (C19-C36)	mg/kg	13.3	10.3	ND	77	59	40-140		50	
Aromatic (C11-C22)	mg/kg	28.3	28.6	27.3	101	96	40-140	4	50	
2-Bromonaphthalene (S)	%				109	89	40-140			
2-Fluorobiphenyl (S)	%				107	86	40-140			
Nonatriacontane (S)	%				59	52	40-140			
o-Terphenyl (S)	%				101	67	40-140			

QUALITY CONTROL DATA

Project: TT-II Tank Yank

Pace Project No.: 9256476

QC Batch: OEXT/8492 Analysis Method: EPA 8015 Modified

QC Batch Method: EPA 3546 Analysis Description: 8015 Solid GCSV

Associated Lab Samples: 9256476001, 9256476002, 9256476003

METHOD BLANK: 360001 Matrix: Solid

Associated Lab Samples: 9256476001, 9256476002, 9256476003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	ND	5.0	11/03/09 18:46	
n-Pentacosane (S)	%	67	50-135	11/03/09 18:46	

LABORATORY CONTROL SAMPLE & LCSD: 360002 360003

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Components	mg/kg	167	135	120	81		50-114	12		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 360004 360005

Parameter	Units	9256074003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Diesel Components	mg/kg	ND	211	211	140	136	66	64	50-107	3	
n-Pentacosane (S)	%						68	71	50-135		

QUALITY CONTROL DATA

Project: TT-II Tank Yank
Pace Project No.: 9256476

QC Batch: OEXT/8526 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 3546 Analysis Description: 8015 Solid GCSV
Associated Lab Samples: 9256476004, 9256476005, 9256476006

METHOD BLANK: 361778 Matrix: Solid

Associated Lab Samples: 9256476004, 9256476005, 9256476006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	ND	5.0	11/06/09 00:05	
n-Pentacosane (S)	%	64	50-135	11/06/09 00:05	

LABORATORY CONTROL SAMPLE & LCSD: 361779

361784

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Components	mg/kg	167	119	99.5	71		50-114	18		

QUALITY CONTROL DATA

Project: TT-II Tank Yank

Pace Project No.: 9256476

QC Batch: OEXT/8506 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 3546 Analysis Description: 8015 Solid GCSV
Associated Lab Samples: 9256476007, 9256476008, 9256476009, 9256476010, 9256476011, 9256476013, 9256476014, 9256476015, 9256476016, 9256476017, 9256476018, 9256476019, 9256476020

METHOD BLANK: 360911 Matrix: Solid
Associated Lab Samples: 9256476007, 9256476008, 9256476009, 9256476010, 9256476011, 9256476013, 9256476014, 9256476015, 9256476016, 9256476017, 9256476018, 9256476019, 9256476020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	ND	5.0	11/05/09 17:48	
n-Pentacosane (S)	%	60	50-135	11/05/09 17:48	

LABORATORY CONTROL SAMPLE & LCSD: 360912		360913								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Components	mg/kg	167	111	140	67		50-114	23		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 360914				360915							
Parameter	Units	9256476007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Diesel Components	mg/kg	ND	186	186	106	85.4	56	45	50-107	21	M0
n-Pentacosane (S)	%						62	60	50-135		

QUALITY CONTROL DATA

Project: TT-II Tank Yank
Pace Project No.: 9256476

QC Batch: OEXT/8497 Analysis Method: MADEP EPH
QC Batch Method: MADEP EPH Analysis Description: MADEP EPH NC Soil
Associated Lab Samples: 9256476001, 9256476002, 9256476003, 9256476004, 9256476005, 9256476006, 9256476007, 9256476009, 9256476010, 9256476011, 9256476012, 9256476013

METHOD BLANK: 360208 Matrix: Solid
Associated Lab Samples: 9256476001, 9256476002, 9256476003, 9256476004, 9256476005, 9256476006, 9256476007, 9256476009, 9256476010, 9256476011, 9256476012, 9256476013, 9256476014, 9256476015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aliphatic (C09-C18)	mg/kg	ND	10.0	11/06/09 18:43	
Aliphatic (C19-C36)	mg/kg	ND	10.0	11/06/09 18:43	
Aromatic (C11-C22)	mg/kg	ND	10.0	11/09/09 12:57	
2-Bromonaphthalene (S)	%	90	40-140	11/09/09 12:57	
2-Fluorobiphenyl (S)	%	90	40-140	11/09/09 12:57	
Nonatriacontane (S)	%	93	40-140	11/06/09 18:43	
o-Terphenyl (S)	%	75	40-140	11/09/09 12:57	

LABORATORY CONTROL SAMPLE & LCSD: 360209		360210								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C09-C18)	mg/kg	10	ND	ND	57	63	40-140		50	
Aliphatic (C19-C36)	mg/kg	13.3	ND	ND	65	67	40-140		50	
Aromatic (C11-C22)	mg/kg	28.3	25.2	21.4	89	76	40-140	16	50	
2-Bromonaphthalene (S)	%				100	80	40-140			
2-Fluorobiphenyl (S)	%				98	78	40-140			
Nonatriacontane (S)	%				70	67	40-140			
o-Terphenyl (S)	%				80	64	40-140			

QUALITY CONTROL DATA

Project: TT-II Tank Yank

Pace Project No.: 9256476

QC Batch: MSV/8912

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV 5035A Volatile Organics

Associated Lab Samples: 9256476015, 9256476016, 9256476017, 9256476018, 9256476019, 9256476020

METHOD BLANK: 361839

Matrix: Solid

Associated Lab Samples: 9256476015, 9256476016, 9256476017, 9256476018, 9256476019, 9256476020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	11/05/09 11:38	
1,1,1-Trichloroethane	ug/kg	ND	5.0	11/05/09 11:38	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	11/05/09 11:38	
1,1,2-Trichloroethane	ug/kg	ND	5.0	11/05/09 11:38	
1,1-Dichloroethane	ug/kg	ND	5.0	11/05/09 11:38	
1,1-Dichloroethene	ug/kg	ND	5.0	11/05/09 11:38	
1,1-Dichloropropene	ug/kg	ND	5.0	11/05/09 11:38	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	11/05/09 11:38	
1,2,3-Trichloropropane	ug/kg	ND	5.0	11/05/09 11:38	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	11/05/09 11:38	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	11/05/09 11:38	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	11/05/09 11:38	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	11/05/09 11:38	
1,2-Dichlorobenzene	ug/kg	ND	5.0	11/05/09 11:38	
1,2-Dichloroethane	ug/kg	ND	5.0	11/05/09 11:38	
1,2-Dichloropropane	ug/kg	ND	5.0	11/05/09 11:38	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	11/05/09 11:38	
1,3-Dichlorobenzene	ug/kg	ND	5.0	11/05/09 11:38	
1,3-Dichloropropane	ug/kg	ND	5.0	11/05/09 11:38	
1,4-Dichlorobenzene	ug/kg	ND	5.0	11/05/09 11:38	
2,2-Dichloropropane	ug/kg	ND	5.0	11/05/09 11:38	
2-Butanone (MEK)	ug/kg	ND	100	11/05/09 11:38	
2-Chlorotoluene	ug/kg	ND	5.0	11/05/09 11:38	
2-Hexanone	ug/kg	ND	50.0	11/05/09 11:38	
4-Chlorotoluene	ug/kg	ND	5.0	11/05/09 11:38	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	11/05/09 11:38	
Acetone	ug/kg	ND	100	11/05/09 11:38	
Benzene	ug/kg	ND	5.0	11/05/09 11:38	
Bromobenzene	ug/kg	ND	5.0	11/05/09 11:38	
Bromochloromethane	ug/kg	ND	5.0	11/05/09 11:38	
Bromodichloromethane	ug/kg	ND	5.0	11/05/09 11:38	
Bromoform	ug/kg	ND	5.0	11/05/09 11:38	
Bromomethane	ug/kg	ND	10.0	11/05/09 11:38	
Carbon tetrachloride	ug/kg	ND	5.0	11/05/09 11:38	
Chlorobenzene	ug/kg	ND	5.0	11/05/09 11:38	
Chloroethane	ug/kg	ND	10.0	11/05/09 11:38	
Chloroform	ug/kg	ND	5.0	11/05/09 11:38	
Chloromethane	ug/kg	ND	10.0	11/05/09 11:38	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	11/05/09 11:38	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	11/05/09 11:38	
Dibromochloromethane	ug/kg	ND	5.0	11/05/09 11:38	
Dibromomethane	ug/kg	ND	5.0	11/05/09 11:38	
Dichlorodifluoromethane	ug/kg	ND	10.0	11/05/09 11:38	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 72 of 93

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QUALITY CONTROL DATA

Project: TT-II Tank Yank
Pace Project No.: 9256476

METHOD BLANK: 361839

Matrix: Solid

Associated Lab Samples: 9256476015, 9256476016, 9256476017, 9256476018, 9256476019, 9256476020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	ND	5.0	11/05/09 11:38	
Ethylbenzene	ug/kg	ND	5.0	11/05/09 11:38	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	11/05/09 11:38	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	11/05/09 11:38	
m&p-Xylene	ug/kg	ND	10.0	11/05/09 11:38	
Methyl-tert-butyl ether	ug/kg	ND	5.0	11/05/09 11:38	
Methylene Chloride	ug/kg	ND	20.0	11/05/09 11:38	
n-Butylbenzene	ug/kg	ND	5.0	11/05/09 11:38	
n-Propylbenzene	ug/kg	ND	5.0	11/05/09 11:38	
Naphthalene	ug/kg	ND	5.0	11/05/09 11:38	
o-Xylene	ug/kg	ND	5.0	11/05/09 11:38	
p-Isopropyltoluene	ug/kg	ND	5.0	11/05/09 11:38	
sec-Butylbenzene	ug/kg	ND	5.0	11/05/09 11:38	
Styrene	ug/kg	ND	5.0	11/05/09 11:38	
tert-Butylbenzene	ug/kg	ND	5.0	11/05/09 11:38	
Tetrachloroethene	ug/kg	ND	5.0	11/05/09 11:38	
Toluene	ug/kg	ND	5.0	11/05/09 11:38	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	11/05/09 11:38	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	11/05/09 11:38	
Trichloroethene	ug/kg	ND	5.0	11/05/09 11:38	
Trichlorofluoromethane	ug/kg	ND	5.0	11/05/09 11:38	
Vinyl acetate	ug/kg	ND	50.0	11/05/09 11:38	
Vinyl chloride	ug/kg	ND	10.0	11/05/09 11:38	
Xylene (Total)	ug/kg	ND	10.0	11/05/09 11:38	
1,2-Dichloroethane-d4 (S)	%	95	69-121	11/05/09 11:38	
4-Bromofluorobenzene (S)	%	101	74-115	11/05/09 11:38	
Dibromofluoromethane (S)	%	101	79-116	11/05/09 11:38	
Toluene-d8 (S)	%	100	88-110	11/05/09 11:38	

LABORATORY CONTROL SAMPLE: 361840

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	56.2	112	75-137	
1,1,1-Trichloroethane	ug/kg	50	50.6	101	70-140	
1,1,2,2-Tetrachloroethane	ug/kg	50	56.7	113	74-133	
1,1,2-Trichloroethane	ug/kg	50	56.6	113	79-129	
1,1-Dichloroethane	ug/kg	50	50.2	100	72-139	
1,1-Dichloroethene	ug/kg	50	56.5	113	69-154	
1,1-Dichloropropene	ug/kg	50	53.1	106	74-138	
1,2,3-Trichlorobenzene	ug/kg	50	53.2	106	71-150	
1,2,3-Trichloropropane	ug/kg	50	55.0	110	74-135	
1,2,4-Trichlorobenzene	ug/kg	50	53.9	108	68-150	
1,2,4-Trimethylbenzene	ug/kg	50	58.5	117	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	50	51.2	102	65-146	
1,2-Dibromoethane (EDB)	ug/kg	50	57.3	115	77-136	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 73 of 93

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QUALITY CONTROL DATA

Project: TT-II Tank Yank

Pace Project No.: 9256476

LABORATORY CONTROL SAMPLE: 361840

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	50	54.1	108	75-141	
1,2-Dichloroethane	ug/kg	50	53.4	107	74-134	
1,2-Dichloropropane	ug/kg	50	55.8	112	77-138	
1,3,5-Trimethylbenzene	ug/kg	50	56.8	114	65-128	
1,3-Dichlorobenzene	ug/kg	50	54.2	108	76-133	
1,3-Dichloropropane	ug/kg	50	57.8	116	79-132	
1,4-Dichlorobenzene	ug/kg	50	53.0	106	75-137	
2,2-Dichloropropane	ug/kg	50	51.2	102	73-137	
2-Butanone (MEK)	ug/kg	100	103	103	61-138	
2-Chlorotoluene	ug/kg	50	53.9	108	73-138	
2-Hexanone	ug/kg	100	115	115	58-159	
4-Chlorotoluene	ug/kg	50	56.4	113	75-136	
4-Methyl-2-pentanone (MIBK)	ug/kg	100	113	113	74-139	
Acetone	ug/kg	100	108	108	58-150	
Benzene	ug/kg	50	51.8	104	71-140	
Bromobenzene	ug/kg	50	55.0	110	72-144	
Bromochloromethane	ug/kg	50	56.9	114	78-133	
Bromodichloromethane	ug/kg	50	48.6	97	78-133	
Bromoform	ug/kg	50	54.9	110	74-132	
Bromomethane	ug/kg	50	55.2	110	63-184	
Carbon tetrachloride	ug/kg	50	51.8	104	73-143	
Chlorobenzene	ug/kg	50	57.5	115	77-137	
Chloroethane	ug/kg	50	52.1	104	68-146	
Chloroform	ug/kg	50	52.1	104	75-137	
Chloromethane	ug/kg	50	53.5	107	54-143	
cis-1,2-Dichloroethene	ug/kg	50	56.6	113	71-143	
cis-1,3-Dichloropropene	ug/kg	50	53.5	107	76-133	
Dibromochloromethane	ug/kg	50	52.2	104	77-131	
Dibromomethane	ug/kg	50	53.2	106	63-184	
Dichlorodifluoromethane	ug/kg	50	49.4	99	36-173	
Diisopropyl ether	ug/kg	50	49.4	99	68-144	
Ethylbenzene	ug/kg	50	56.6	113	69-141	
Hexachloro-1,3-butadiene	ug/kg	50	53.1	106	70-152	
Isopropylbenzene (Cumene)	ug/kg	50	58.6	117	77-143	
m&p-Xylene	ug/kg	100	114	114	72-138	
Methyl-tert-butyl ether	ug/kg	50	49.8	100	2-138	
Methylene Chloride	ug/kg	50	44.8	90	69-136	
n-Butylbenzene	ug/kg	50	54.9	110	65-128	
n-Propylbenzene	ug/kg	50	56.9	114	72-139	
Naphthalene	ug/kg	50	58.0	116	61-138	
o-Xylene	ug/kg	50	57.0	114	74-137	
p-Isopropyltoluene	ug/kg	50	57.0	114	66-128	
sec-Butylbenzene	ug/kg	50	56.4	113	72-140	
Styrene	ug/kg	50	59.2	118	76-137	
tert-Butylbenzene	ug/kg	50	57.5	115	68-141	
Tetrachloroethene	ug/kg	50	55.4	111	72-136	
Toluene	ug/kg	50	52.8	106	69-139	
trans-1,2-Dichloroethene	ug/kg	50	50.2	100	72-144	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 74 of 93

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QUALITY CONTROL DATA

Project: TT-II Tank Yank
Pace Project No.: 9256476

LABORATORY CONTROL SAMPLE: 361840

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	50	54.8	110	73-135	
Trichloroethene	ug/kg	50	54.9	110	75-136	
Trichlorofluoromethane	ug/kg	50	52.0	104	69-144	
Vinyl acetate	ug/kg	100	102	102	50-150	
Vinyl chloride	ug/kg	50	49.0	98	61-145	
Xylene (Total)	ug/kg	150	171	114	73-138	
1,2-Dichloroethane-d4 (S)	%			96	69-121	
4-Bromofluorobenzene (S)	%			102	74-115	
Dibromofluoromethane (S)	%			98	79-116	
Toluene-d8 (S)	%			97	88-110	

MATRIX SPIKE SAMPLE: 362487

Parameter	Units	9256476017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/kg	ND	45	55.1	123	33-158	
Benzene	ug/kg	ND	45	49.6	110	46-143	
Chlorobenzene	ug/kg	ND	45	48.8	109	29-159	
Toluene	ug/kg	ND	45	49.9	111	38-145	
Trichloroethene	ug/kg	ND	45	52.1	116	70-130	
1,2-Dichloroethane-d4 (S)	%				104	69-121	
4-Bromofluorobenzene (S)	%				101	74-115	
Dibromofluoromethane (S)	%				99	79-116	
Toluene-d8 (S)	%				100	88-110	

SAMPLE DUPLICATE: 362723

Parameter	Units	9256476016 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		
1,1,1-Trichloroethane	ug/kg	ND	ND		
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		
1,1,2-Trichloroethane	ug/kg	ND	ND		
1,1-Dichloroethane	ug/kg	ND	ND		
1,1-Dichloroethene	ug/kg	ND	ND		
1,1-Dichloropropene	ug/kg	ND	ND		
1,2,3-Trichlorobenzene	ug/kg	ND	ND		
1,2,3-Trichloropropane	ug/kg	ND	ND		
1,2,4-Trichlorobenzene	ug/kg	ND	2J		
1,2,4-Trimethylbenzene	ug/kg	ND	ND		
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		
1,2-Dichlorobenzene	ug/kg	ND	ND		
1,2-Dichloroethane	ug/kg	ND	ND		
1,2-Dichloropropane	ug/kg	ND	ND		
1,3,5-Trimethylbenzene	ug/kg	ND	ND		
1,3-Dichlorobenzene	ug/kg	ND	ND		

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 75 of 93

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QUALITY CONTROL DATA

Project: TT-II Tank Yank

Pace Project No.: 9256476

SAMPLE DUPLICATE: 362723

Parameter	Units	9256476016 Result	Dup Result	RPD	Qualifiers
1,3-Dichloropropane	ug/kg	ND	ND		
1,4-Dichlorobenzene	ug/kg	ND	ND		
2,2-Dichloropropane	ug/kg	ND	ND		
2-Butanone (MEK)	ug/kg	ND	ND		
2-Chlorotoluene	ug/kg	ND	ND		
2-Hexanone	ug/kg	ND	ND		
4-Chlorotoluene	ug/kg	ND	ND		
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		
Acetone	ug/kg	ND	22.7J		
Benzene	ug/kg	ND	ND		
Bromobenzene	ug/kg	ND	ND		
Bromochloromethane	ug/kg	ND	ND		
Bromodichloromethane	ug/kg	ND	ND		
Bromoform	ug/kg	ND	ND		
Bromomethane	ug/kg	ND	ND		
Carbon tetrachloride	ug/kg	ND	ND		
Chlorobenzene	ug/kg	ND	ND		
Chloroethane	ug/kg	ND	ND		
Chloroform	ug/kg	ND	ND		
Chloromethane	ug/kg	ND	ND		
cis-1,2-Dichloroethene	ug/kg	ND	ND		
cis-1,3-Dichloropropene	ug/kg	ND	ND		
Dibromochloromethane	ug/kg	ND	ND		
Dibromomethane	ug/kg	ND	ND		
Dichlorodifluoromethane	ug/kg	ND	ND		
Diisopropyl ether	ug/kg	ND	ND		
Ethylbenzene	ug/kg	ND	ND		
Hexachloro-1,3-butadiene	ug/kg	ND	ND		
Isopropylbenzene (Cumene)	ug/kg	ND	ND		
m&p-Xylene	ug/kg	ND	ND		
Methyl-tert-butyl ether	ug/kg	ND	ND		
Methylene Chloride	ug/kg	ND	ND		
n-Butylbenzene	ug/kg	ND	ND		
n-Propylbenzene	ug/kg	ND	ND		
Naphthalene	ug/kg	ND	2.3J		
o-Xylene	ug/kg	ND	ND		
p-Isopropyltoluene	ug/kg	ND	ND		
sec-Butylbenzene	ug/kg	ND	ND		
Styrene	ug/kg	ND	ND		
tert-Butylbenzene	ug/kg	ND	ND		
Tetrachloroethene	ug/kg	ND	ND		
Toluene	ug/kg	ND	ND		
trans-1,2-Dichloroethene	ug/kg	ND	ND		
trans-1,3-Dichloropropene	ug/kg	ND	ND		
Trichloroethene	ug/kg	ND	ND		
Trichlorofluoromethane	ug/kg	ND	ND		
Vinyl acetate	ug/kg	ND	ND		
Vinyl chloride	ug/kg	ND	ND		

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 76 of 93

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QUALITY CONTROL DATA

Project: TT-II Tank Yank
Pace Project No.: 9256476

SAMPLE DUPLICATE: 362723

Parameter	Units	9256476016 Result	Dup Result	RPD	Qualifiers
Xylene (Total)	ug/kg	ND	ND		
1,2-Dichloroethane-d4 (S)	%	94	91	4	
4-Bromofluorobenzene (S)	%	96	101	4	
Dibromofluoromethane (S)	%	93	95	1	
Toluene-d8 (S)	%	100	99	2	

QUALITY CONTROL DATA

Project: TT-II Tank Yank

Pace Project No.: 9256476

QC Batch: MSV/8880

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV 5035A Volatile Organics

Associated Lab Samples: 9256476003, 9256476013, 9256476014

METHOD BLANK: 359955

Matrix: Solid

Associated Lab Samples: 9256476003, 9256476013, 9256476014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	11/04/09 23:23	
1,1,1-Trichloroethane	ug/kg	ND	5.0	11/04/09 23:23	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	11/04/09 23:23	
1,1,2-Trichloroethane	ug/kg	ND	5.0	11/04/09 23:23	
1,1-Dichloroethane	ug/kg	ND	5.0	11/04/09 23:23	
1,1-Dichloroethene	ug/kg	ND	5.0	11/04/09 23:23	
1,1-Dichloropropene	ug/kg	ND	5.0	11/04/09 23:23	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	11/04/09 23:23	
1,2,3-Trichloropropane	ug/kg	ND	5.0	11/04/09 23:23	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	11/04/09 23:23	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	11/04/09 23:23	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	11/04/09 23:23	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	11/04/09 23:23	
1,2-Dichlorobenzene	ug/kg	ND	5.0	11/04/09 23:23	
1,2-Dichloroethane	ug/kg	ND	5.0	11/04/09 23:23	
1,2-Dichloropropane	ug/kg	ND	5.0	11/04/09 23:23	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	11/04/09 23:23	
1,3-Dichlorobenzene	ug/kg	ND	5.0	11/04/09 23:23	
1,3-Dichloropropane	ug/kg	ND	5.0	11/04/09 23:23	
1,4-Dichlorobenzene	ug/kg	ND	5.0	11/04/09 23:23	
2,2-Dichloropropane	ug/kg	ND	5.0	11/04/09 23:23	
2-Butanone (MEK)	ug/kg	ND	100	11/04/09 23:23	
2-Chlorotoluene	ug/kg	ND	5.0	11/04/09 23:23	
2-Hexanone	ug/kg	ND	50.0	11/04/09 23:23	
4-Chlorotoluene	ug/kg	ND	5.0	11/04/09 23:23	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	11/04/09 23:23	
Acetone	ug/kg	ND	100	11/04/09 23:23	
Benzene	ug/kg	ND	5.0	11/04/09 23:23	
Bromobenzene	ug/kg	ND	5.0	11/04/09 23:23	
Bromochloromethane	ug/kg	ND	5.0	11/04/09 23:23	
Bromodichloromethane	ug/kg	ND	5.0	11/04/09 23:23	
Bromoform	ug/kg	ND	5.0	11/04/09 23:23	
Bromomethane	ug/kg	ND	10.0	11/04/09 23:23	
Carbon tetrachloride	ug/kg	ND	5.0	11/04/09 23:23	
Chlorobenzene	ug/kg	ND	5.0	11/04/09 23:23	
Chloroethane	ug/kg	ND	10.0	11/04/09 23:23	
Chloroform	ug/kg	ND	5.0	11/04/09 23:23	
Chloromethane	ug/kg	ND	10.0	11/04/09 23:23	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	11/04/09 23:23	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	11/04/09 23:23	
Dibromochloromethane	ug/kg	ND	5.0	11/04/09 23:23	
Dibromomethane	ug/kg	ND	5.0	11/04/09 23:23	
Dichlorodifluoromethane	ug/kg	ND	10.0	11/04/09 23:23	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 78 of 93

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QUALITY CONTROL DATA

Project: TT-II Tank Yank

Pace Project No.: 9256476

METHOD BLANK: 359955

Matrix: Solid

Associated Lab Samples: 9256476003, 9256476013, 9256476014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	ND	5.0	11/04/09 23:23	
Ethylbenzene	ug/kg	ND	5.0	11/04/09 23:23	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	11/04/09 23:23	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	11/04/09 23:23	
m&p-Xylene	ug/kg	ND	10.0	11/04/09 23:23	
Methyl-tert-butyl ether	ug/kg	ND	5.0	11/04/09 23:23	
Methylene Chloride	ug/kg	ND	20.0	11/04/09 23:23	
n-Butylbenzene	ug/kg	ND	5.0	11/04/09 23:23	
n-Propylbenzene	ug/kg	ND	5.0	11/04/09 23:23	
Naphthalene	ug/kg	ND	5.0	11/04/09 23:23	
o-Xylene	ug/kg	ND	5.0	11/04/09 23:23	
p-Isopropyltoluene	ug/kg	ND	5.0	11/04/09 23:23	
sec-Butylbenzene	ug/kg	ND	5.0	11/04/09 23:23	
Styrene	ug/kg	ND	5.0	11/04/09 23:23	
tert-Butylbenzene	ug/kg	ND	5.0	11/04/09 23:23	
Tetrachloroethene	ug/kg	ND	5.0	11/04/09 23:23	
Toluene	ug/kg	ND	5.0	11/04/09 23:23	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	11/04/09 23:23	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	11/04/09 23:23	
Trichloroethene	ug/kg	ND	5.0	11/04/09 23:23	
Trichlorofluoromethane	ug/kg	ND	5.0	11/04/09 23:23	
Vinyl acetate	ug/kg	ND	50.0	11/04/09 23:23	
Vinyl chloride	ug/kg	ND	10.0	11/04/09 23:23	
Xylene (Total)	ug/kg	ND	10.0	11/04/09 23:23	
1,2-Dichloroethane-d4 (S)	%	91	69-121	11/04/09 23:23	
4-Bromofluorobenzene (S)	%	99	74-115	11/04/09 23:23	
Dibromofluoromethane (S)	%	91	79-116	11/04/09 23:23	
Toluene-d8 (S)	%	100	88-110	11/04/09 23:23	

LABORATORY CONTROL SAMPLE: 359956

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	52.7	105	75-137	
1,1,1-Trichloroethane	ug/kg	50	53.3	107	70-140	
1,1,2,2-Tetrachloroethane	ug/kg	50	51.0	102	74-133	
1,1,2-Trichloroethane	ug/kg	50	50.3	101	79-129	
1,1-Dichloroethane	ug/kg	50	50.7	101	72-139	
1,1-Dichloroethene	ug/kg	50	47.5	95	69-154	
1,1-Dichloropropene	ug/kg	50	53.7	107	74-138	
1,2,3-Trichlorobenzene	ug/kg	50	41.4	83	71-150	
1,2,3-Trichloropropane	ug/kg	50	50.9	102	74-135	
1,2,4-Trichlorobenzene	ug/kg	50	39.6	79	68-150	
1,2,4-Trimethylbenzene	ug/kg	50	49.8	100	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	50	47.8	96	65-146	
1,2-Dibromoethane (EDB)	ug/kg	50	52.2	104	77-136	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 79 of 93

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QUALITY CONTROL DATA

Project: TT-II Tank Yank

Pace Project No.: 9256476

LABORATORY CONTROL SAMPLE: 359956

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	50	46.9	94	75-141	
1,2-Dichloroethane	ug/kg	50	50.4	101	74-134	
1,2-Dichloropropane	ug/kg	50	54.9	110	77-138	
1,3,5-Trimethylbenzene	ug/kg	50	49.8	100	65-128	
1,3-Dichlorobenzene	ug/kg	50	45.6	91	76-133	
1,3-Dichloropropane	ug/kg	50	52.7	105	79-132	
1,4-Dichlorobenzene	ug/kg	50	44.5	89	75-137	
2,2-Dichloropropane	ug/kg	50	49.3	99	73-137	
2-Butanone (MEK)	ug/kg	100	102	102	61-138	
2-Chlorotoluene	ug/kg	50	47.6	95	73-138	
2-Hexanone	ug/kg	100	113	113	58-159	
4-Chlorotoluene	ug/kg	50	48.5	97	75-136	
4-Methyl-2-pentanone (MIBK)	ug/kg	100	109	109	74-139	
Acetone	ug/kg	100	104	104	58-150	
Benzene	ug/kg	50	51.6	103	71-140	
Bromobenzene	ug/kg	50	49.9	100	72-144	
Bromochloromethane	ug/kg	50	50.1	100	78-133	
Bromodichloromethane	ug/kg	50	48.8	98	78-133	
Bromoform	ug/kg	50	49.1	98	74-132	
Bromomethane	ug/kg	50	50.9	102	63-184	
Carbon tetrachloride	ug/kg	50	46.9	94	73-143	
Chlorobenzene	ug/kg	50	51.0	102	77-137	
Chloroethane	ug/kg	50	49.4	99	68-146	
Chloroform	ug/kg	50	49.0	98	75-137	
Chloromethane	ug/kg	50	54.6	109	54-143	
cis-1,2-Dichloroethene	ug/kg	50	56.5	113	71-143	
cis-1,3-Dichloropropene	ug/kg	50	51.0	102	76-133	
Dibromochloromethane	ug/kg	50	48.5	97	77-131	
Dibromomethane	ug/kg	50	48.8	98	63-184	
Dichlorodifluoromethane	ug/kg	50	47.6	95	36-173	
Diisopropyl ether	ug/kg	50	53.7	107	68-144	
Ethylbenzene	ug/kg	50	50.3	101	69-141	
Hexachloro-1,3-butadiene	ug/kg	50	44.5	89	70-152	
Isopropylbenzene (Cumene)	ug/kg	50	51.5	103	77-143	
m&p-Xylene	ug/kg	100	100	100	72-138	
Methyl-tert-butyl ether	ug/kg	50	50.8	102	2-138	
Methylene Chloride	ug/kg	50	45.1	90	69-136	
n-Butylbenzene	ug/kg	50	45.9	92	65-128	
n-Propylbenzene	ug/kg	50	49.3	99	72-139	
Naphthalene	ug/kg	50	48.4	97	61-138	
o-Xylene	ug/kg	50	50.7	101	74-137	
p-Isopropyltoluene	ug/kg	50	47.8	96	66-128	
sec-Butylbenzene	ug/kg	50	48.7	97	72-140	
Styrene	ug/kg	50	52.7	105	76-137	
tert-Butylbenzene	ug/kg	50	51.0	102	68-141	
Tetrachloroethene	ug/kg	50	48.0	96	72-136	
Toluene	ug/kg	50	49.5	99	69-139	
trans-1,2-Dichloroethene	ug/kg	50	47.1	94	72-144	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 80 of 93

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QUALITY CONTROL DATA

Project: TT-II Tank Yank
Pace Project No.: 9256476

LABORATORY CONTROL SAMPLE: 359956

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	50	50.4	101	73-135	
Trichloroethene	ug/kg	50	52.6	105	75-136	
Trichlorofluoromethane	ug/kg	50	41.1	82	69-144	
Vinyl acetate	ug/kg	100	29J	29	50-150	L0
Vinyl chloride	ug/kg	50	48.1	96	61-145	
Xylene (Total)	ug/kg	150	151	101	73-138	
1,2-Dichloroethane-d4 (S)	%			93	69-121	
4-Bromofluorobenzene (S)	%			99	74-115	
Dibromofluoromethane (S)	%			94	79-116	
Toluene-d8 (S)	%			98	88-110	

QUALITY CONTROL DATA

Project: TT-II Tank Yank
Pace Project No.: 9256476

QC Batch: GCV/3607 Analysis Method: MADEP VPH
QC Batch Method: MADEP VPH Analysis Description: VPH NC Soil
Associated Lab Samples: 9256476001, 9256476002, 9256476003, 9256476004, 9256476005, 9256476006, 9256476007, 9256476008, 9256476009, 9256476010, 9256476011, 9256476012, 9256476013

METHOD BLANK: 362412

Matrix: Solid

Associated Lab Samples: 9256476001, 9256476002, 9256476003, 9256476004, 9256476005, 9256476006, 9256476007, 9256476008, 9256476009, 9256476010, 9256476011, 9256476012, 9256476013, 9256476014, 9256476015, 9256476016, 9256476017, 9256476018, 9256476019, 9256476020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aliphatic (C05-C08)	mg/kg	ND	10.0	11/06/09 03:41	
Aliphatic (C09-C12)	mg/kg	ND	10.0	11/06/09 03:41	
Aromatic (C09-C10)	mg/kg	ND	10.0	11/06/09 03:41	
2,5-Dibromotoluene (FID)(S)	%	90	70-130	11/06/09 03:41	
2,5-Dibromotoluene (PID)(S)	%	87	70-130	11/06/09 03:41	

LABORATORY CONTROL SAMPLE & LCSD: 362413

362414

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	mg/kg	15	17.6	16.8	117	112	70-130	5	25	
Aliphatic (C09-C12)	mg/kg	15	15.4	13.9	102	92	30-130	10	25	
Aromatic (C09-C10)	mg/kg	5	ND	ND	110	109	70-130		25	
2,5-Dibromotoluene (FID)(S)	%				105	109	70-130			
2,5-Dibromotoluene (PID)(S)	%				106	111	70-130			

QUALITY CONTROL DATA

Project: TT-II Tank Yank
Pace Project No.: 9256476

QC Batch: OEXT/8515 Analysis Method: MADEP EPH
QC Batch Method: MADEP EPH Analysis Description: MADEP EPH NC Soil
Associated Lab Samples: 9256476016, 9256476017, 9256476018, 9256476019, 9256476020

METHOD BLANK: 361290 Matrix: Solid
Associated Lab Samples: 9256476016, 9256476017, 9256476018, 9256476019, 9256476020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aliphatic (C09-C18)	mg/kg	ND	10.0	11/11/09 20:12	
Aliphatic (C19-C36)	mg/kg	ND	10.0	11/11/09 20:12	
Aromatic (C11-C22)	mg/kg	ND	10.0	11/12/09 17:46	
2-Bromonaphthalene (S)	%	97	40-140	11/12/09 17:46	
2-Fluorobiphenyl (S)	%	96	40-140	11/12/09 17:46	
Nonatriacontane (S)	%	69	40-140	11/11/09 20:12	
o-Terphenyl (S)	%	75	40-140	11/12/09 17:46	

LABORATORY CONTROL SAMPLE & LCSD: 361291			361292							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C09-C18)	mg/kg	10	ND	ND	74	66	40-140		50	
Aliphatic (C19-C36)	mg/kg	13.3	10.4	ND	78	71	40-140		50	
Aromatic (C11-C22)	mg/kg	28.3	18.6	18.2	66	64	40-140	2	50	
2-Bromonaphthalene (S)	%				83	79	40-140			
2-Fluorobiphenyl (S)	%				80	78	40-140			
Nonatriacontane (S)	%				65	60	40-140			
o-Terphenyl (S)	%				65	64	40-140			

QUALITY CONTROL DATA

Project: TT-II Tank Yank
Pace Project No.: 9256476

QC Batch:	GCV/3606	Analysis Method:	EPA 8015 Modified
QC Batch Method:	EPA 5035A/5030B	Analysis Description:	Gasoline Range Organics
Associated Lab Samples:	9256476001, 9256476002, 9256476003, 9256476004, 9256476005, 9256476006, 9256476007, 9256476008, 9256476009, 9256476010, 9256476011, 9256476012, 9256476013, 9256476014, 9256476015, 9256476016, 9256476017, 9256476018, 9256476019, 9256476020		

METHOD BLANK:	362405	Matrix:	Solid
Associated Lab Samples:	9256476001, 9256476002, 9256476003, 9256476004, 9256476005, 9256476006, 9256476007, 9256476008, 9256476009, 9256476010, 9256476011, 9256476012, 9256476013, 9256476014, 9256476015, 9256476016, 9256476017, 9256476018, 9256476019, 9256476020		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	6.0	11/09/09 01:23	
4-Bromofluorobenzene (S)	%	74	50-135	11/09/09 01:23	

LABORATORY CONTROL SAMPLE: 362406						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	25	23.1	92	70-150	
4-Bromofluorobenzene (S)	%			105	50-135	

MATRIX SPIKE SAMPLE: 362407							
Parameter	Units	9256476001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	ND	22	21.8	99	70-148	
4-Bromofluorobenzene (S)	%				100	50-135	

SAMPLE DUPLICATE: 362408					
Parameter	Units	9256476002 Result	Dup Result	RPD	Qualifiers
Gasoline Range Organics	mg/kg	ND	ND		
4-Bromofluorobenzene (S)	%		129	5	

QUALITY CONTROL DATA

Project: TT-II Tank Yank
Pace Project No.: 9256476

QC Batch: PMST/2852 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 9256476019, 9256476020

SAMPLE DUPLICATE: 359820

Parameter	Units	9256476019 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	19.6	20.5	5	

SAMPLE DUPLICATE: 359821

Parameter	Units	9256422013 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	0.28	0.18	41	R1

QUALITY CONTROL DATA

Project: TT-II Tank Yank
Pace Project No.: 9256476

QC Batch:	MSV/8879	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV 5035A Volatile Organics
Associated Lab Samples:	9256476001, 9256476002, 9256476004, 9256476005, 9256476006, 9256476007, 9256476008, 9256476009, 9256476010, 9256476011, 9256476012		

METHOD BLANK:	359953	Matrix:	Solid
Associated Lab Samples:	9256476001, 9256476002, 9256476004, 9256476005, 9256476006, 9256476007, 9256476008, 9256476009, 9256476010, 9256476011, 9256476012		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	11/04/09 23:41	
1,1,1-Trichloroethane	ug/kg	ND	5.0	11/04/09 23:41	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	11/04/09 23:41	
1,1,2-Trichloroethane	ug/kg	ND	5.0	11/04/09 23:41	
1,1-Dichloroethane	ug/kg	ND	5.0	11/04/09 23:41	
1,1-Dichloroethene	ug/kg	ND	5.0	11/04/09 23:41	
1,1-Dichloropropene	ug/kg	ND	5.0	11/04/09 23:41	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	11/04/09 23:41	
1,2,3-Trichloropropane	ug/kg	ND	5.0	11/04/09 23:41	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	11/04/09 23:41	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	11/04/09 23:41	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	11/04/09 23:41	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	11/04/09 23:41	
1,2-Dichlorobenzene	ug/kg	ND	5.0	11/04/09 23:41	
1,2-Dichloroethane	ug/kg	ND	5.0	11/04/09 23:41	
1,2-Dichloropropane	ug/kg	ND	5.0	11/04/09 23:41	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	11/04/09 23:41	
1,3-Dichlorobenzene	ug/kg	ND	5.0	11/04/09 23:41	
1,3-Dichloropropane	ug/kg	ND	5.0	11/04/09 23:41	
1,4-Dichlorobenzene	ug/kg	ND	5.0	11/04/09 23:41	
2,2-Dichloropropane	ug/kg	ND	5.0	11/04/09 23:41	
2-Butanone (MEK)	ug/kg	ND	100	11/04/09 23:41	
2-Chlorotoluene	ug/kg	ND	5.0	11/04/09 23:41	
2-Hexanone	ug/kg	ND	50.0	11/04/09 23:41	
4-Chlorotoluene	ug/kg	ND	5.0	11/04/09 23:41	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	11/04/09 23:41	
Acetone	ug/kg	ND	100	11/04/09 23:41	
Benzene	ug/kg	ND	5.0	11/04/09 23:41	
Bromobenzene	ug/kg	ND	5.0	11/04/09 23:41	
Bromochloromethane	ug/kg	ND	5.0	11/04/09 23:41	
Bromodichloromethane	ug/kg	ND	5.0	11/04/09 23:41	
Bromoform	ug/kg	ND	5.0	11/04/09 23:41	
Bromomethane	ug/kg	ND	10.0	11/04/09 23:41	
Carbon tetrachloride	ug/kg	ND	5.0	11/04/09 23:41	
Chlorobenzene	ug/kg	ND	5.0	11/04/09 23:41	
Chloroethane	ug/kg	ND	10.0	11/04/09 23:41	
Chloroform	ug/kg	ND	5.0	11/04/09 23:41	
Chloromethane	ug/kg	ND	10.0	11/04/09 23:41	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	11/04/09 23:41	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	11/04/09 23:41	
Dibromochloromethane	ug/kg	ND	5.0	11/04/09 23:41	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 86 of 93

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QUALITY CONTROL DATA

Project: TT-II Tank Yank
Pace Project No.: 9256476

METHOD BLANK: 359953

Matrix: Solid

Associated Lab Samples: 9256476001, 9256476002, 9256476004, 9256476005, 9256476006, 9256476007, 9256476008, 9256476009, 9256476010, 9256476011, 9256476012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	5.0	11/04/09 23:41	
Dichlorodifluoromethane	ug/kg	ND	10.0	11/04/09 23:41	
Diisopropyl ether	ug/kg	ND	5.0	11/04/09 23:41	
Ethylbenzene	ug/kg	ND	5.0	11/04/09 23:41	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	11/04/09 23:41	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	11/04/09 23:41	
m&p-Xylene	ug/kg	ND	10.0	11/04/09 23:41	
Methyl-tert-butyl ether	ug/kg	ND	5.0	11/04/09 23:41	
Methylene Chloride	ug/kg	ND	20.0	11/04/09 23:41	
n-Butylbenzene	ug/kg	ND	5.0	11/04/09 23:41	
n-Propylbenzene	ug/kg	ND	5.0	11/04/09 23:41	
Naphthalene	ug/kg	ND	5.0	11/04/09 23:41	
o-Xylene	ug/kg	ND	5.0	11/04/09 23:41	
p-Isopropyltoluene	ug/kg	ND	5.0	11/04/09 23:41	
sec-Butylbenzene	ug/kg	ND	5.0	11/04/09 23:41	
Styrene	ug/kg	ND	5.0	11/04/09 23:41	
tert-Butylbenzene	ug/kg	ND	5.0	11/04/09 23:41	
Tetrachloroethene	ug/kg	ND	5.0	11/04/09 23:41	
Toluene	ug/kg	ND	5.0	11/04/09 23:41	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	11/04/09 23:41	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	11/04/09 23:41	
Trichloroethene	ug/kg	ND	5.0	11/04/09 23:41	
Trichlorofluoromethane	ug/kg	ND	5.0	11/04/09 23:41	
Vinyl acetate	ug/kg	ND	50.0	11/04/09 23:41	
Vinyl chloride	ug/kg	ND	10.0	11/04/09 23:41	
Xylene (Total)	ug/kg	ND	10.0	11/04/09 23:41	
1,2-Dichloroethane-d4 (S)	%	95	69-121	11/04/09 23:41	
4-Bromofluorobenzene (S)	%	100	74-115	11/04/09 23:41	
Dibromofluoromethane (S)	%	95	79-116	11/04/09 23:41	
Toluene-d8 (S)	%	101	88-110	11/04/09 23:41	

LABORATORY CONTROL SAMPLE: 359954

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	58.9	118	75-137	
1,1,1-Trichloroethane	ug/kg	50	59.6	119	70-140	
1,1,2,2-Tetrachloroethane	ug/kg	50	59.0	118	74-133	
1,1,2-Trichloroethane	ug/kg	50	60.8	122	79-129	
1,1-Dichloroethane	ug/kg	50	60.9	122	72-139	
1,1-Dichloroethene	ug/kg	50	57.5	115	69-154	
1,1-Dichloropropene	ug/kg	50	59.6	119	74-138	
1,2,3-Trichlorobenzene	ug/kg	50	48.9	98	71-150	
1,2,3-Trichloropropane	ug/kg	50	58.7	117	74-135	
1,2,4-Trichlorobenzene	ug/kg	50	46.7	93	68-150	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 87 of 93

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QUALITY CONTROL DATA

Project: TT-II Tank Yank
Pace Project No.: 9256476

LABORATORY CONTROL SAMPLE: 359954

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	50	59.3	119	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	50	58.4	117	65-146	
1,2-Dibromoethane (EDB)	ug/kg	50	60.9	122	77-136	
1,2-Dichlorobenzene	ug/kg	50	56.3	113	75-141	
1,2-Dichloroethane	ug/kg	50	60.2	120	74-134	
1,2-Dichloropropane	ug/kg	50	60.8	122	77-138	
1,3,5-Trimethylbenzene	ug/kg	50	60.5	121	65-128	
1,3-Dichlorobenzene	ug/kg	50	54.5	109	76-133	
1,3-Dichloropropane	ug/kg	50	61.1	122	79-132	
1,4-Dichlorobenzene	ug/kg	50	52.4	105	75-137	
2,2-Dichloropropane	ug/kg	50	53.9	108	73-137	
2-Butanone (MEK)	ug/kg	100	116	116	61-138	
2-Chlorotoluene	ug/kg	50	57.9	116	73-138	
2-Hexanone	ug/kg	100	128	128	58-159	
4-Chlorotoluene	ug/kg	50	58.6	117	75-136	
4-Methyl-2-pentanone (MIBK)	ug/kg	100	125	125	74-139	
Acetone	ug/kg	100	124	124	58-150	
Benzene	ug/kg	50	57.5	115	71-140	
Bromobenzene	ug/kg	50	61.4	123	72-144	
Bromochloromethane	ug/kg	50	60.5	121	78-133	
Bromodichloromethane	ug/kg	50	54.9	110	78-133	
Bromoform	ug/kg	50	57.1	114	74-132	
Bromomethane	ug/kg	50	58.4	117	63-184	
Carbon tetrachloride	ug/kg	50	60.0	120	73-143	
Chlorobenzene	ug/kg	50	57.5	115	77-137	
Chloroethane	ug/kg	50	55.8	112	68-146	
Chloroform	ug/kg	50	58.9	118	75-137	
Chloromethane	ug/kg	50	60.6	121	54-143	
cis-1,2-Dichloroethene	ug/kg	50	63.2	126	71-143	
cis-1,3-Dichloropropene	ug/kg	50	57.9	116	76-133	
Dibromochloromethane	ug/kg	50	56.4	113	77-131	
Dibromomethane	ug/kg	50	58.8	118	63-184	
Dichlorodifluoromethane	ug/kg	50	54.2	108	36-173	
Diisopropyl ether	ug/kg	50	59.5	119	68-144	
Ethylbenzene	ug/kg	50	56.7	113	69-141	
Hexachloro-1,3-butadiene	ug/kg	50	50.7	101	70-152	
Isopropylbenzene (Cumene)	ug/kg	50	57.9	116	77-143	
m&p-Xylene	ug/kg	100	113	113	72-138	
Methyl-tert-butyl ether	ug/kg	50	58.7	117	2-138	
Methylene Chloride	ug/kg	50	51.8	104	69-136	
n-Butylbenzene	ug/kg	50	53.7	107	65-128	
n-Propylbenzene	ug/kg	50	59.6	119	72-139	
Naphthalene	ug/kg	50	57.8	116	61-138	
o-Xylene	ug/kg	50	58.2	116	74-137	
p-Isopropyltoluene	ug/kg	50	56.9	114	66-128	
sec-Butylbenzene	ug/kg	50	58.4	117	72-140	
Styrene	ug/kg	50	59.5	119	76-137	
tert-Butylbenzene	ug/kg	50	60.9	122	68-141	

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 88 of 93

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QUALITY CONTROL DATA

Project: TT-II Tank Yank
Pace Project No.: 9256476

LABORATORY CONTROL SAMPLE: 359954

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/kg	50	54.0	108	72-136	
Toluene	ug/kg	50	55.9	112	69-139	
trans-1,2-Dichloroethene	ug/kg	50	56.0	112	72-144	
trans-1,3-Dichloropropene	ug/kg	50	56.9	114	73-135	
Trichloroethene	ug/kg	50	58.3	117	75-136	
Trichlorofluoromethane	ug/kg	50	50.6	101	69-144	
Vinyl acetate	ug/kg	100	33J	33	50-150 L0	
Vinyl chloride	ug/kg	50	54.8	110	61-145	
Xylene (Total)	ug/kg	150	171	114	73-138	
1,2-Dichloroethane-d4 (S)	%			96	69-121	
4-Bromofluorobenzene (S)	%			98	74-115	
Dibromofluoromethane (S)	%			98	79-116	
Toluene-d8 (S)	%			99	88-110	

MATRIX SPIKE SAMPLE: 361717

Parameter	Units	9256476005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/kg	ND	42.5	47.4	111	33-158	
Benzene	ug/kg	ND	42.5	41.8	98	46-143	
Chlorobenzene	ug/kg	ND	42.5	30.3	71	29-159	
Toluene	ug/kg	ND	42.5	35.1	82	38-145	
Trichloroethene	ug/kg	ND	42.5	39.2	92	70-130	
1,2-Dichloroethane-d4 (S)	%				93	69-121	
4-Bromofluorobenzene (S)	%				97	74-115	
Dibromofluoromethane (S)	%				96	79-116	
Toluene-d8 (S)	%				97	88-110	

SAMPLE DUPLICATE: 361716

Parameter	Units	9256122001 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		
1,1,1-Trichloroethane	ug/kg	ND	ND		
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		
1,1,2-Trichloroethane	ug/kg	ND	ND		
1,1-Dichloroethane	ug/kg	ND	ND		
1,1-Dichloroethene	ug/kg	ND	ND		
1,1-Dichloropropene	ug/kg	ND	ND		
1,2,3-Trichlorobenzene	ug/kg	ND	ND		
1,2,3-Trichloropropane	ug/kg	ND	ND		
1,2,4-Trichlorobenzene	ug/kg	ND	ND		
1,2,4-Trimethylbenzene	ug/kg	ND	ND		
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		
1,2-Dichlorobenzene	ug/kg	ND	ND		
1,2-Dichloroethane	ug/kg	ND	ND		

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 89 of 93

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QUALITY CONTROL DATA

Project: TT-II Tank Yank
Pace Project No.: 9256476

SAMPLE DUPLICATE: 361716

Parameter	Units	9256122001 Result	Dup Result	RPD	Qualifiers
1,2-Dichloropropane	ug/kg	ND	ND		
1,3,5-Trimethylbenzene	ug/kg	ND	ND		
1,3-Dichlorobenzene	ug/kg	ND	ND		
1,3-Dichloropropane	ug/kg	ND	ND		
1,4-Dichlorobenzene	ug/kg	ND	ND		
2,2-Dichloropropane	ug/kg	ND	ND		
2-Butanone (MEK)	ug/kg	ND	ND		
2-Chlorotoluene	ug/kg	ND	ND		
2-Hexanone	ug/kg	ND	ND		
4-Chlorotoluene	ug/kg	ND	ND		
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		
Acetone	ug/kg	51.5J	ND		
Benzene	ug/kg	ND	ND		
Bromobenzene	ug/kg	ND	ND		
Bromochloromethane	ug/kg	ND	ND		
Bromodichloromethane	ug/kg	ND	ND		
Bromoform	ug/kg	ND	ND		
Bromomethane	ug/kg	ND	ND		
Carbon tetrachloride	ug/kg	ND	ND		
Chlorobenzene	ug/kg	ND	ND		
Chloroethane	ug/kg	ND	ND		
Chloroform	ug/kg	ND	ND		
Chloromethane	ug/kg	ND	ND		
cis-1,2-Dichloroethene	ug/kg	ND	ND		
cis-1,3-Dichloropropene	ug/kg	ND	ND		
Dibromochloromethane	ug/kg	ND	ND		
Dibromomethane	ug/kg	ND	ND		
Dichlorodifluoromethane	ug/kg	ND	ND		
Diisopropyl ether	ug/kg	ND	ND		
Ethylbenzene	ug/kg	ND	ND		
Hexachloro-1,3-butadiene	ug/kg	ND	ND		
Isopropylbenzene (Cumene)	ug/kg	ND	ND		
m&p-Xylene	ug/kg	ND	ND		
Methyl-tert-butyl ether	ug/kg	ND	ND		
Methylene Chloride	ug/kg	19.4J	ND		
n-Butylbenzene	ug/kg	ND	ND		
n-Propylbenzene	ug/kg	ND	ND		
Naphthalene	ug/kg	ND	3.6J		
o-Xylene	ug/kg	ND	ND		
p-Isopropyltoluene	ug/kg	ND	ND		
sec-Butylbenzene	ug/kg	ND	ND		
Styrene	ug/kg	ND	ND		
tert-Butylbenzene	ug/kg	ND	ND		
Tetrachloroethene	ug/kg	ND	ND		
Toluene	ug/kg	ND	ND		
trans-1,2-Dichloroethene	ug/kg	ND	ND		
trans-1,3-Dichloropropene	ug/kg	ND	ND		
Trichloroethene	ug/kg	ND	ND		

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

Page 90 of 93

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QUALITY CONTROL DATA

Project: TT-II Tank Yank
Pace Project No.: 9256476

SAMPLE DUPLICATE: 361716

Parameter	Units	9256122001 Result	Dup Result	RPD	Qualifiers
Trichlorofluoromethane	ug/kg	ND	ND		
Vinyl acetate	ug/kg	ND	ND		
Vinyl chloride	ug/kg	ND	ND		
Xylene (Total)	ug/kg	ND	ND		
1,2-Dichloroethane-d4 (S)	%	109	105	10	
4-Bromofluorobenzene (S)	%	102	102	6	
Dibromofluoromethane (S)	%	99	98	7	
Toluene-d8 (S)	%	101	99	8	

QUALITY CONTROL DATA

Project: TT-II Tank Yank
Pace Project No.: 9256476

QC Batch: OEXT/8538 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 3546 Analysis Description: 8015 Solid GCSV
Associated Lab Samples: 9256476012

METHOD BLANK: 362522 Matrix: Solid
Associated Lab Samples: 9256476012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	ND	5.0	11/06/09 20:12	
n-Pentacosane (S)	%	52	50-135	11/06/09 20:12	

LABORATORY CONTROL SAMPLE & LCSD: 362523

362524

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Components	mg/kg	167	127	116	76		50-114	9		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 362525

362526

Parameter	Units	9256933002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Diesel Components	mg/kg	ND	233	233	164	186	70	80	50-107	13	
n-Pentacosane (S)	%						71	80	50-135		

QUALIFIERS

Project: TT-II Tank Yank
Pace Project No.: 9256476

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

U - Indicates the compound was analyzed for, but not detected.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

- L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- R1 RPD value was outside control limits.
- S2 Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).
- S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
- S4 Surrogate recovery not evaluated against control limits due to sample dilution.
- S5 Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).



ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

LOG-IN CHECKLIST

Printed: 11/5/2009 5:42:30PM

Attn: Ms. Ashley Nifong

Client: Pace Analytical Services Inc. - Huntersville
Project: TT-II Tank Yank
Date Received: 10/31/09 10:30

Work Order: ASJ1142
Logged In By: Mohammad M. Rahman

OBSERVATIONS

#Samples: 20 #Containers: 20
Minimum Temp(C): 2.0 Maximum Temp(C): 2.0 Custody Seal(s) Used: Yes

CHECKLIST ITEMS

COC included with Samples	YES
Sample Container(s) Intact	YES
Chain of Custody Complete	YES
Sample Container(s) Match COC	NO
Custody seal Intact	YES
Temperature in Compliance	YES
Sufficient Sample Volume for Analysis	YES
Zero Headspace Maintained for VOA Analyses	YES
Samples labeled preserved (If Applicable)	YES
Samples received within Allowable Hold Times	YES
Samples Received on Ice	YES
Preservation Confirmed	YES

Comments:

The labels of sample TT-2111-4 and TT-2111-B-6 came off. So, they were determined arbitrarily by the Lab. MMR



ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

Laboratory Report

Prepared For:

**Pace Analytical Services Inc. - Huntersville
9800 Kincey Avenue
Huntersville, NC 28078**

Attention: Ms. Ashley Nifong

Report Number: ASJ1142

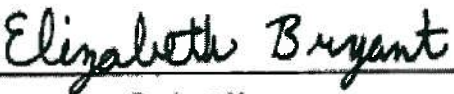
November 05, 2009

Project: TT-II Tank Yank

Project #:9256476

We appreciate the opportunity to provide the analytical support for your project. The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Approved:


Project Manager

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All test results relate only to the samples analyzed.



ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

Pace Analytical Services Inc. - Huntersv
9800 Kinsey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TT-2969-1/9256476001	ASJ1142-01	Solid	10/29/09 13:20	10/31/09 10:30
TT-2969-3/9256476002	ASJ1142-02	Solid	10/29/09 14:30	10/31/09 10:30
TT-2969-B-9.5/9256476003	ASJ1142-03	Solid	10/29/09 14:00	10/31/09 10:30
TT-2111-1/9256476004	ASJ1142-04	Solid	10/30/09 08:30	10/31/09 10:30
TT-2111(-4 or B-6)/9256476005	ASJ1142-05	Solid	10/30/09 08:50	10/31/09 10:30
TT-2111-2/9256476006	ASJ1142-06	Solid	10/30/09 09:25	10/31/09 10:30
TT-2111-3/9256476007	ASJ1142-07	Solid	10/30/09 09:40	10/31/09 10:30
TT-2111(-4 or B-6)/9256476008	ASJ1142-08	Solid	10/30/09 10:00	10/31/09 10:30
TT-2129-1/9256476009	ASJ1142-09	Solid	10/28/09 11:00	10/31/09 10:30
TT-2129-4/9256476010	ASJ1142-10	Solid	10/28/09 12:40	10/31/09 10:30
TT-2129-3/9256476011	ASJ1142-11	Solid	10/28/09 13:00	10/31/09 10:30
TT-2129-2/9256476012	ASJ1142-12	Solid	10/28/09 13:30	10/31/09 10:30
TT-2129-B-9/9256476013	ASJ1142-13	Solid	10/28/09 14:05	10/31/09 10:30
TT-2139-1/9256476014	ASJ1142-14	Solid	10/28/09 15:35	10/31/09 10:30
TT-2139-2/9256476015	ASJ1142-15	Solid	10/28/09 16:05	10/31/09 10:30
TT-2139-4/9256476016	ASJ1142-16	Solid	10/28/09 16:20	10/31/09 10:30
TT-2139-3/9256476017	ASJ1142-17	Solid	10/28/09 16:50	10/31/09 10:30
TT-2139-B-8.5/9256476018	ASJ1142-18	Solid	10/29/09 09:20	10/31/09 10:30
TT-2969-2/9256476019	ASJ1142-19	Solid	10/29/09 12:10	10/31/09 10:30
TT-2969-4/9256476020	ASJ1142-20	Solid	10/29/09 12:40	10/31/09 10:30



ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

Pace Analytical Services Inc. - Huntersv
9800 Kinsey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2969-1/9256476001

Lab Number ID: ASJ1142-01

Date/Time Sampled: 10/29/2009 1:20:00PM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	77.9	0.04 % by Weight		SOP Moisture		1	11/02/09 11:30	11/02/09 11:30	A911011	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Acenaphthene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Acenaphthylene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Aniline	ND	850	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Benzo(a)anthracene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Benzo(a)pyrene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Benzo(b)fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Benzo(ghi)perylene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Benzo(k)fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Benzoic acid	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Benzyl alcohol	ND	850	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Benzyl butyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
4-Bromophenyl phenyl ether	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Di-n-butyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
4-Chloroaniline	ND	850	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Bis(2-chloroethoxy)methane	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Bis(2-chloroethyl)ether	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Bis(2-chloroisopropyl)ether	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
4-Chloro-3-methylphenol	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
2-Chloronaphthalene	ND	850	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
2-Chlorophenol	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
4-Chlorophenyl phenyl ether	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Chrysene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Dibenzo(a,h)anthracene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Dibenzofuran	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
1,2-Dichlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
1,3-Dichlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
1,4-Dichlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
3,3'-Dichlorobenzidine	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
2,4-Dichlorophenol	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Diethyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
2,4-Dimethylphenol	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2969-1/9256476001

Lab Number ID: ASJ1142-01

Date/Time Sampled: 10/29/2009 1:20:00PM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
4,6-Dinitro-2-methylphenol	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
2,4-Dinitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
2,4-Dinitrotoluene	ND	850	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
2,6-Dinitrotoluene	ND	850	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Bis(2-ethylhexyl)phthalate	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Fluorene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Hexachlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Hexachlorobutadiene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Hexachlorocyclopentadiene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Hexachloroethane	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Indeno(1,2,3-cd)pyrene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Isophorone	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
2-Methylnaphthalene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
2-Methylphenol (o-cresol)	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
3+4-Methylphenol (m+p-cresol)	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Naphthalene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
2-Nitroaniline	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
3-Nitroaniline	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
4-Nitroaniline	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Nitrobenzene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
2-Nitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
4-Nitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
N-Nitrosodimethylamine	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
N-Nitrosodi-n-propylamine	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Di-n-octyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Pentachlorophenol	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Phenanthrene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Phenol	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Pyrene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Pyridine	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
1,2,4-Trichlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
2,4,5-Trichlorophenol	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2969-1/9256476001

Lab Number ID: ASJ1142-01

Date/Time Sampled: 10/29/2009 1:20:00PM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
1-Methylnaphthalene *	ND	420	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 16:40	A911065	RAC
Surrogate: 2-Fluorophenol	62 %	10-91		EPA 8270D			11/03/09 10:30	11/3/09 16:40	A911065	
Surrogate: Phenol-d5	66 %	10-98		EPA 8270D			11/03/09 10:30	11/3/09 16:40	A911065	
Surrogate: Nitrobenzene-d5	55 %	10-100		EPA 8270D			11/03/09 10:30	11/3/09 16:40	A911065	
Surrogate: 2-Fluorobiphenyl	59 %	10-102		EPA 8270D			11/03/09 10:30	11/3/09 16:40	A911065	
Surrogate: 2,4,6-Tribromophenol	77 %	10-189		EPA 8270D			11/03/09 10:30	11/3/09 16:40	A911065	
Surrogate: p-Terphenyl-d14	71 %	10-114		EPA 8270D			11/03/09 10:30	11/3/09 16:40	A911065	



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November 05, 2009

Report No.: ASJ1142

Client ID: TT-2969-3/9256476002

Date/Time Sampled: 10/29/2009 2:30:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-02

Date/Time Received: 10/31/2009 10:30:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	81.4	0.04 % by Weight		SOP Moisture		1	11/02/09 11:30	11/02/09 11:30	A911011	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Acenaphthene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Acenaphthylene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Aniline	ND	810	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Benzo(a)anthracene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Benzo(a)pyrene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Benzo(b)fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Benzo(ghi)perylene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Benzo(k)fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Benzoic acid	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Benzyl alcohol	ND	810	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Benzyl butyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
4-Bromophenyl phenyl ether	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Di-n-butyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
4-Chloroaniline	ND	810	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Bis(2-chloroethoxy)methane	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Bis(2-chloroethyl)ether	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Bis(2-chloroisopropyl)ether	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
4-Chloro-3-methylphenol	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
2-Chloronaphthalene	ND	810	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
2-Chlorophenol	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
4-Chlorophenyl phenyl ether	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Chrysene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Dibenzo(a,h)anthracene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Dibenzofuran	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
1,2-Dichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
1,3-Dichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
1,4-Dichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
3,3'-Dichlorobenzidine	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
2,4-Dichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Diethyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
2,4-Dimethylphenol	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2969-3/9256476002

Lab Number ID: ASJ1142-02

Date/Time Sampled: 10/29/2009 2:30:00PM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
4,6-Dinitro-2-methylphenol	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
2,4-Dinitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
2,4-Dinitrotoluene	ND	810	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
2,6-Dinitrotoluene	ND	810	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Bis(2-ethylhexyl)phthalate	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Fluorene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Hexachlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Hexachlorobutadiene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Hexachlorocyclopentadiene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Hexachloroethane	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Isophorone	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
2-Methylnaphthalene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
2-Methylphenol (o-cresol)	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
3+4-Methylphenol (m+p-cresol)	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Naphthalene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
2-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
3-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
4-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Nitrobenzene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
2-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
4-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
N-Nitrosodimethylamine	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
N-Nitrosodi-n-propylamine	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Di-n-octyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Pentachlorophenol	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Phenanthrene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Phenol	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Pyrene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Pyridine	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
1,2,4-Trichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
2,4,5-Trichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC



ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
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(770) 734-4200 FAX (770) 734-4201

Pace Analytical Services Inc. - Huntersv
9800 Kinsey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2969-3/9256476002

Lab Number ID: ASJ1142-02

Date/Time Sampled: 10/29/2009 2:30:00PM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
1-Methylnaphthalene *	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:01	A911065	RAC
Surrogate: 2-Fluorophenol	66 %	10-91		EPA 8270D			11/03/09 10:30	11/3/09 17:01	A911065	
Surrogate: Phenol-d5	71 %	10-98		EPA 8270D			11/03/09 10:30	11/3/09 17:01	A911065	
Surrogate: Nitrobenzene-d5	59 %	10-100		EPA 8270D			11/03/09 10:30	11/3/09 17:01	A911065	
Surrogate: 2-Fluorobiphenyl	64 %	10-102		EPA 8270D			11/03/09 10:30	11/3/09 17:01	A911065	
Surrogate: 2,4,6-Tribromophenol	83 %	10-189		EPA 8270D			11/03/09 10:30	11/3/09 17:01	A911065	
Surrogate: p-Terphenyl-d14	79 %	10-114		EPA 8270D			11/03/09 10:30	11/3/09 17:01	A911065	



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2969-B-9.5/9256476003

Lab Number ID: ASJ1142-03

Date/Time Sampled: 10/29/2009 2:00:00PM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	85.1	0.04 % by Weight		SOP Moisture		1	11/02/09 11:30	11/02/09 11:30	A911011	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Acenaphthene	2200	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Acenaphthylene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Aniline	ND	770	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Benzo(a)anthracene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Benzo(a)pyrene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Benzo(b)fluoranthene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Benzo(ghi)perylene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Benzo(k)fluoranthene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Benzoic acid	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Benzyl alcohol	ND	770	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Benzyl butyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
4-Bromophenyl phenyl ether	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Di-n-butyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
4-Chloroaniline	ND	770	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Bis(2-chloroethoxy)methane	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Bis(2-chloroethyl)ether	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Bis(2-chloroisopropyl)ether	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
4-Chloro-3-methylphenol	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
2-Chloronaphthalene	ND	770	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
2-Chlorophenol	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
4-Chlorophenyl phenyl ether	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Chrysene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Dibenzo(a,h)anthracene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Dibenzofuran	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
1,2-Dichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
1,3-Dichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
1,4-Dichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
3,3'-Dichlorobenzidine	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
2,4-Dichlorophenol	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Diethyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
2,4-Dimethylphenol	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC



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9800 Kincey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2969-B-9.5/9256476003

Lab Number ID: ASJ1142-03

Date/Time Sampled: 10/29/2009 2:00:00PM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
2,4-Dinitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
2,4-Dinitrotoluene	ND	770	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
2,6-Dinitrotoluene	ND	770	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Bis(2-ethylhexyl)phthalate	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Fluoranthene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Fluorene	3600	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Hexachlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Hexachlorobutadiene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Hexachlorocyclopentadiene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Hexachloroethane	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Indeno(1,2,3-cd)pyrene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Isophorone	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
2-Methylnaphthalene	49000	9700	ug/kg dry	EPA 8270D		25	11/03/09 10:30	11/04/09 1:25	A911065	RAC
2-Methylphenol (o-cresol)	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
3+4-Methylphenol (m+p-cresol)	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Naphthalene	14000	1900	ug/kg dry	EPA 8270D		5	11/03/09 10:30	11/04/09 18:20	A911065	RAC
2-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
3-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
4-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Nitrobenzene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
2-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
4-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
N-Nitrosodimethylamine	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
N-Nitrosodi-n-propylamine	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Di-n-octyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Pentachlorophenol	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Phenanthrene	9800	1900	ug/kg dry	EPA 8270D		5	11/03/09 10:30	11/04/09 18:20	A911065	RAC
Phenol	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Pyrene	1200	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
Pyridine	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
1,2,4-Trichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
2,4,5-Trichlorophenol	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC



ANALYTICAL SERVICES, INC.

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Pace Analytical Services Inc. - Huntersv
9800 Kinsey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2969-B-9.5/9256476003

Lab Number ID: ASJ1142-03

Date/Time Sampled: 10/29/2009 2:00:00PM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:22	A911065	RAC
1-Methylnaphthalene *	31000	1900	ug/kg dry	EPA 8270D		5	11/03/09 10:30	11/04/09 18:20	A911065	RAC
Surrogate: 2-Fluorophenol	58 %	10-91		EPA 8270D			11/03/09 10:30	11/3/09 17:22	A911065	
Surrogate: Phenol-d5	78 %	10-98		EPA 8270D			11/03/09 10:30	11/3/09 17:22	A911065	
Surrogate: Nitrobenzene-d5	44 %	10-100		EPA 8270D			11/03/09 10:30	11/3/09 17:22	A911065	
Surrogate: 2-Fluorobiphenyl	62 %	10-102		EPA 8270D			11/03/09 10:30	11/3/09 17:22	A911065	
Surrogate: 2,4,6-Tribromophenol	102 %	10-189		EPA 8270D			11/03/09 10:30	11/3/09 17:22	A911065	
Surrogate: p-Terphenyl-d14	94 %	10-114		EPA 8270D			11/03/09 10:30	11/3/09 17:22	A911065	



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November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2111-1/9256476004

Lab Number ID: ASJ1142-04

Date/Time Sampled: 10/30/2009 8:30:00AM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	73.4	0.04 % by Weight		SOP Moisture		1	11/02/09 11:30	11/02/09 11:30	A911011	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Acenaphthene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Acenaphthylene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Aniline	ND	900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Benzo(a)anthracene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Benzo(a)pyrene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Benzo(b)fluoranthene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Benzo(ghi)perylene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Benzo(k)fluoranthene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Benzoic acid	ND	2300	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Benzyl alcohol	ND	900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Benzyl butyl phthalate	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
4-Bromophenyl phenyl ether	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Di-n-butyl phthalate	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
4-Chloroaniline	ND	900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Bis(2-chloroethoxy)methane	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Bis(2-chloroethyl)ether	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Bis(2-chloroisopropyl)ether	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
4-Chloro-3-methylphenol	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
2-Chloronaphthalene	ND	900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
2-Chlorophenol	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
4-Chlorophenyl phenyl ether	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Chrysene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Dibenzo(a,h)anthracene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Dibenzofuran	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
1,2-Dichlorobenzene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
1,3-Dichlorobenzene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
1,4-Dichlorobenzene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
3,3'-Dichlorobenzidine	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
2,4-Dichlorophenol	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Diethyl phthalate	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
2,4-Dimethylphenol	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC



ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

Pace Analytical Services Inc. - Huntersv
9800 Kinsey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2111-1/9256476004

Lab Number ID: ASJ1142-04

Date/Time Sampled: 10/30/2009 8:30:00AM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	450	ug/kg dry	EPA.8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
4,6-Dinitro-2-methylphenol	ND	2300	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
2,4-Dinitrophenol	ND	2300	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
2,4-Dinitrotoluene	ND	900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
2,6-Dinitrotoluene	ND	900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Bis(2-ethylhexyl)phthalate	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Fluoranthene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Fluorene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Hexachlorobenzene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Hexachlorobutadiene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Hexachlorocyclopentadiene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Hexachloroethane	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Indeno(1,2,3-cd)pyrene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Isophorone	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
2-Methylnaphthalene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
3+4-Methylphenol (m+p-cresol)	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
2-Methylphenol (o-cresol)	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Naphthalene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
2-Nitroaniline	ND	2300	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
3-Nitroaniline	ND	2300	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
4-Nitroaniline	ND	2300	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Nitrobenzene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
2-Nitrophenol	ND	2300	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
4-Nitrophenol	ND	2300	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
N-Nitrosodimethylamine	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
N-Nitrosodi-n-propylamine	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Di-n-octyl phthalate	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Pentachlorophenol	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Phenanthrene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Phenol	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Pyrene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Pyridine	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
1,2,4-Trichlorobenzene	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
2,4,5-Trichlorophenol	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC



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9800 Kinsey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2111-1/9256476004

Lab Number ID: ASJ1142-04

Date/Time Sampled: 10/30/2009 8:30:00AM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
1-Methylnaphthalene *	ND	450	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:50	A911065	RAC
Surrogate: 2-Fluorophenol	67 %	10-91		EPA 8270D			11/03/09 10:30	11/3/09 20:50	A911065	
Surrogate: Phenol-d5	74 %	10-98		EPA 8270D			11/03/09 10:30	11/3/09 20:50	A911065	
Surrogate: Nitrobenzene-d5	60 %	10-100		EPA 8270D			11/03/09 10:30	11/3/09 20:50	A911065	
Surrogate: 2-Fluorobiphenyl	62 %	10-102		EPA 8270D			11/03/09 10:30	11/3/09 20:50	A911065	
Surrogate: 2,4,6-Tribromophenol	87 %	10-189		EPA 8270D			11/03/09 10:30	11/3/09 20:50	A911065	
Surrogate: p-Terphenyl-d14	71 %	10-114		EPA 8270D			11/03/09 10:30	11/3/09 20:50	A911065	



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2111(-4 or B-6)/9256476005

Lab Number ID: ASJ1142-05

Date/Time Sampled: 10/30/2009 8:50:00AM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	77.4	0.04 % by Weight		SOP Moisture		1	11/02/09 11:30	11/02/09 11:30	A911011	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Acenaphthene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Acenaphthylene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Aniline	ND	850	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Benzo(a)anthracene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Benzo(a)pyrene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Benzo(b)fluoranthene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Benzo(ghi)perylene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Benzo(k)fluoranthene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Benzoic acid	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Benzyl alcohol	ND	850	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Benzyl butyl phthalate	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
4-Bromophenyl phenyl ether	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Di-n-butyl phthalate	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
4-Chloroaniline	ND	850	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Bis(2-chloroethoxy)methane	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Bis(2-chloroethyl)ether	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Bis(2-chloroisopropyl)ether	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
4-Chloro-3-methylphenol	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
2-Chloronaphthalene	ND	850	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
2-Chlorophenol	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
4-Chlorophenyl phenyl ether	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Chrysene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Dibenzo(a,h)anthracene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Dibenzofuran	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
1,2-Dichlorobenzene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
1,3-Dichlorobenzene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
1,4-Dichlorobenzene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
3,3'-Dichlorobenzidine	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
2,4-Dichlorophenol	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Diethyl phthalate	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
2,4-Dimethylphenol	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC



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Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2111(-4 or B-6)/9256476005

Lab Number ID: ASJ1142-05

Date/Time Sampled: 10/30/2009 8:50:00AM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
4,6-Dinitro-2-methylphenol	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
2,4-Dinitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
2,4-Dinitrotoluene	ND	850	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
2,6-Dinitrotoluene	ND	850	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Bis(2-ethylhexyl)phthalate	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Fluoranthene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Fluorene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Hexachlorobenzene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Hexachlorobutadiene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Hexachlorocyclopentadiene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Hexachloroethane	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Indeno(1,2,3-cd)pyrene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Isophorone	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
2-Methylnaphthalene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
2-Methylphenol (o-cresol)	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
3+4-Methylphenol (m+p-cresol)	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Naphthalene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
2-Nitroaniline	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
3-Nitroaniline	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
4-Nitroaniline	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Nitrobenzene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
2-Nitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
4-Nitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
N-Nitrosodimethylamine	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
N-Nitrosodi-n-propylamine	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Di-n-octyl phthalate	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Pentachlorophenol	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Phenanthrene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Phenol	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Pyrene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Pyridine	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
1,2,4-Trichlorobenzene	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
2,4,5-Trichlorophenol	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC



ANALYTICAL SERVICES, INC.

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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2111(-4 or B-6)/9256476005

Lab Number ID: ASJ1142-05

Date/Time Sampled: 10/30/2009 8:50:00AM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
1-Methylnaphthalene *	ND	430	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:10	A911065	RAC
Surrogate: 2-Fluorophenol	63 %	10-91		EPA 8270D			11/03/09 10:30	11/3/09 21:10	A911065	
Surrogate: Phenol-d5	75 %	10-98		EPA 8270D			11/03/09 10:30	11/3/09 21:10	A911065	
Surrogate: Nitrobenzene-d5	61 %	10-100		EPA 8270D			11/03/09 10:30	11/3/09 21:10	A911065	
Surrogate: 2-Fluorobiphenyl	64 %	10-102		EPA 8270D			11/03/09 10:30	11/3/09 21:10	A911065	
Surrogate: 2,4,6-Tribromophenol	83 %	10-189		EPA 8270D			11/03/09 10:30	11/3/09 21:10	A911065	
Surrogate: p-Terphenyl-d14	64 %	10-114		EPA 8270D			11/03/09 10:30	11/3/09 21:10	A911065	



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November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2111-2/9256476006

Lab Number ID: ASJ1142-06

Date/Time Sampled: 10/30/2009 9:25:00AM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	87.1	0.04 % by Weight		SOP Moisture		1	11/02/09 11:30	11/02/09 11:30	A911011	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Acenaphthene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Acenaphthylene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Aniline	ND	760	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Benzo(a)anthracene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Benzo(a)pyrene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Benzo(b)fluoranthene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Benzo(ghi)perylene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Benzo(k)fluoranthene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Benzoic acid	ND	1900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Benzyl alcohol	ND	760	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Benzyl butyl phthalate	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
4-Bromophenyl phenyl ether	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Di-n-butyl phthalate	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
4-Chloroaniline	ND	760	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Bis(2-chloroethoxy)methane	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Bis(2-chloroethyl)ether	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Bis(2-chloroisopropyl)ether	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
4-Chloro-3-methylphenol	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
2-Chloronaphthalene	ND	760	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
2-Chlorophenol	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
4-Chlorophenyl phenyl ether	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Chrysene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Dibenzo(a,h)anthracene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Dibenzofuran	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
1,2-Dichlorobenzene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
1,3-Dichlorobenzene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
1,4-Dichlorobenzene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
3,3'-Dichlorobenzidine	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
2,4-Dichlorophenol	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Diethyl phthalate	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
2,4-Dimethylphenol	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC



ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
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(770) 734-4200 FAX (770) 734-4201

Pace Analytical Services Inc. - Huntersv
9800 Kinsey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2111-2/9256476006

Lab Number ID: ASJ1142-06

Date/Time Sampled: 10/30/2009 9:25:00AM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
2,4-Dinitrophenol	ND	1900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
2,4-Dinitrotoluene	ND	760	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
2,6-Dinitrotoluene	ND	760	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Bis(2-ethylhexyl)phthalate	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Fluoranthene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Fluorene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Hexachlorobenzene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Hexachlorobutadiene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Hexachlorocyclopentadiene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Hexachloroethane	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Indeno(1,2,3-cd)pyrene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Isophorone	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
2-Methylnaphthalene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
2-Methylphenol (o-cresol)	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
3+4-Methylphenol (m+p-cresol)	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Naphthalene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
2-Nitroaniline	ND	1900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
3-Nitroaniline	ND	1900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
4-Nitroaniline	ND	1900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Nitrobenzene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
2-Nitrophenol	ND	1900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
4-Nitrophenol	ND	1900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
N-Nitrosodimethylamine	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
N-Nitrosodi-n-propylamine	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Di-n-octyl phthalate	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Pentachlorophenol	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Phenanthrene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Phenol	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Pyrene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Pyridine	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
1,2,4-Trichlorobenzene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
2,4,5-Trichlorophenol	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC



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9800 Kinsey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2111-2/9256476006

Lab Number ID: ASJ1142-06

Date/Time Sampled: 10/30/2009 9:25:00AM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
1-Methylnaphthalene *	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:31	A911065	RAC
Surrogate: 2-Fluorophenol	58 %	10-91		EPA 8270D			11/03/09 10:30	11/3/09 21:31	A911065	
Surrogate: Phenol-d5	67 %	10-98		EPA 8270D			11/03/09 10:30	11/3/09 21:31	A911065	
Surrogate: Nitrobenzene-d5	54 %	10-100		EPA 8270D			11/03/09 10:30	11/3/09 21:31	A911065	
Surrogate: 2-Fluorobiphenyl	59 %	10-102		EPA 8270D			11/03/09 10:30	11/3/09 21:31	A911065	
Surrogate: 2,4,6-Tribromophenol	86 %	10-189		EPA 8270D			11/03/09 10:30	11/3/09 21:31	A911065	
Surrogate: p-Terphenyl-d14	66 %	10-114		EPA 8270D			11/03/09 10:30	11/3/09 21:31	A911065	



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Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2111-3/9256476007

Lab Number ID: ASJ1142-07

Date/Time Sampled: 10/30/2009 9:40:00AM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	87.6	0.04 % by Weight		SOP Moisture		1	11/02/09 11:30	11/02/09 11:30	A911011	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Acenaphthene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Acenaphthylene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Aniline	ND	750	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Benzo(a)anthracene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Benzo(a)pyrene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Benzo(b)fluoranthene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Benzo(ghi)perylene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Benzo(k)fluoranthene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Benzoic acid	ND	1900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Benzyl alcohol	ND	750	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Benzyl butyl phthalate	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
4-Bromophenyl phenyl ether	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Di-n-butyl phthalate	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
4-Chloroaniline	ND	750	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Bis(2-chloroethoxy)methane	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Bis(2-chloroethyl)ether	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Bis(2-chloroisopropyl)ether	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
4-Chloro-3-methylphenol	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
2-Chloronaphthalene	ND	750	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
2-Chlorophenol	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
4-Chlorophenyl phenyl ether	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Chrysene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Dibenzo(a,h)anthracene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Dibenzofuran	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
1,2-Dichlorobenzene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
1,3-Dichlorobenzene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
1,4-Dichlorobenzene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
3,3'-Dichlorobenzidine	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
2,4-Dichlorophenol	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Diethyl phthalate	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
2,4-Dimethylphenol	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2111-3/9256476007

Lab Number ID: ASJ1142-07

Date/Time Sampled: 10/30/2009 9:40:00AM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
2,4-Dinitrophenol	ND	1900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
2,4-Dinitrotoluene	ND	750	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
2,6-Dinitrotoluene	ND	750	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Bis(2-ethylhexyl)phthalate	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Fluoranthene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Fluorene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Hexachlorobenzene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Hexachlorobutadiene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Hexachlorocyclopentadiene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Hexachloroethane	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Indeno(1,2,3-cd)pyrene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Isophorone	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
2-Methylnaphthalene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
3+4-Methylphenol (m+p-cresol)	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
2-Methylphenol (o-cresol)	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Naphthalene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
2-Nitroaniline	ND	1900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
3-Nitroaniline	ND	1900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
4-Nitroaniline	ND	1900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Nitrobenzene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
2-Nitrophenol	ND	1900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
4-Nitrophenol	ND	1900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
N-Nitrosodimethylamine	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
N-Nitrosodi-n-propylamine	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Di-n-octyl phthalate	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Pentachlorophenol	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Phenanthrene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Phenol	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Pyrene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Pyridine	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
1,2,4-Trichlorobenzene	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
2,4,5-Trichlorophenol	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC



ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

Pace Analytical Services Inc. - Huntersv
9800 Kinsey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2111-3/9256476007

Date/Time Sampled: 10/30/2009 9:40:00AM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-07

Date/Time Received: 10/31/2009 10:30:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
1-Methylnaphthalene *	ND	380	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 21:52	A911065	RAC
Surrogate: 2-Fluorophenol	69 %	10-91		EPA 8270D			11/03/09 10:30	11/3/09 21:52	A911065	
Surrogate: Phenol-d5	79 %	10-98		EPA 8270D			11/03/09 10:30	11/3/09 21:52	A911065	
Surrogate: Nitrobenzene-d5	65 %	10-100		EPA 8270D			11/03/09 10:30	11/3/09 21:52	A911065	
Surrogate: 2-Fluorobiphenyl	71 %	10-102		EPA 8270D			11/03/09 10:30	11/3/09 21:52	A911065	
Surrogate: 2,4,6-Tribromophenol	89 %	10-189		EPA 8270D			11/03/09 10:30	11/3/09 21:52	A911065	
Surrogate: p-Terphenyl-d14	70 %	10-114		EPA 8270D			11/03/09 10:30	11/3/09 21:52	A911065	



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9800 Kinney Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2111(-4 or B-6)/9256476008

Lab Number ID: ASJ1142-08

Date/Time Sampled: 10/30/2009 10:00:00AM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	88.1	0.04 % by Weight		SOP Moisture		1	11/02/09 11:30	11/02/09 11:30	A911011	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Acenaphthene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Acenaphthylene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Aniline	ND	750	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Benzo(a)anthracene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Benzo(a)pyrene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Benzo(b)fluoranthene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Benzo(ghi)perylene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Benzo(k)fluoranthene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Benzoic acid	ND	1900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Benzyl alcohol	ND	750	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Benzyl butyl phthalate	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
4-Bromophenyl phenyl ether	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Di-n-butyl phthalate	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
4-Chloroaniline	ND	750	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Bis(2-chloroethoxy)methane	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Bis(2-chloroethyl)ether	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Bis(2-chloroisopropyl)ether	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
4-Chloro-3-methylphenol	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
2-Chloronaphthalene	ND	750	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
2-Chlorophenol	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
4-Chlorophenyl phenyl ether	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Chrysene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Dibenzo(a,h)anthracene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Dibenzofuran	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
1,2-Dichlorobenzene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
1,3-Dichlorobenzene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
1,4-Dichlorobenzene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
3,3'-Dichlorobenzidine	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
2,4-Dichlorophenol	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Diethyl phthalate	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
2,4-Dimethylphenol	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC



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9800 Kinney Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2111(-4 or B-6)/9256476008

Date/Time Sampled: 10/30/2009 10:00:00AM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-08

Date/Time Received: 10/31/2009 10:30:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
2,4-Dinitrophenol	ND	1900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
2,4-Dinitrotoluene	ND	750	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
2,6-Dinitrotoluene	ND	750	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Bis(2-ethylhexyl)phthalate	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Fluoranthene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Fluorene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Hexachlorobenzene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Hexachlorobutadiene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Hexachlorocyclopentadiene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Hexachloroethane	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Indeno(1,2,3-cd)pyrene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Isophorone	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
2-Methylnaphthalene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
3+4-Methylphenol (m+p-cresol)	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
2-Methylphenol (o-cresol)	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Naphthalene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
2-Nitroaniline	ND	1900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
3-Nitroaniline	ND	1900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
4-Nitroaniline	ND	1900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Nitrobenzene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
2-Nitrophenol	ND	1900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
4-Nitrophenol	ND	1900	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
N-Nitrosodimethylamine	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
N-Nitrosodi-n-propylamine	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Di-n-octyl phthalate	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Pentachlorophenol	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Phenanthrene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Phenol	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Pyrene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Pyridine	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
1,2,4-Trichlorobenzene	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
2,4,5-Trichlorophenol	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC



ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
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Pace Analytical Services Inc. - Huntersv
9800 Kinsey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2111(-4 or B-6)/9256476008

Lab Number ID: ASJ1142-08

Date/Time Sampled: 10/30/2009 10:00:00AM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
1-Methylnaphthalene *	ND	370	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 22:54	A911065	RAC
Surrogate: 2-Fluorophenol	66 %	10-91		EPA 8270D			11/03/09 10:30	11/3/09 22:54	A911065	
Surrogate: Phenol-d5	77 %	10-98		EPA 8270D			11/03/09 10:30	11/3/09 22:54	A911065	
Surrogate: Nitrobenzene-d5	63 %	10-100		EPA 8270D			11/03/09 10:30	11/3/09 22:54	A911065	
Surrogate: 2-Fluorobiphenyl	67 %	10-102		EPA 8270D			11/03/09 10:30	11/3/09 22:54	A911065	
Surrogate: 2,4,6-Tribromophenol	84 %	10-189		EPA 8270D			11/03/09 10:30	11/3/09 22:54	A911065	
Surrogate: p-Terphenyl-d14	68 %	10-114		EPA 8270D			11/03/09 10:30	11/3/09 22:54	A911065	



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November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2129-1/9256476009

Lab Number ID: ASJ1142-09

Date/Time Sampled: 10/28/2009 11:00:00AM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	82.4	0.04 % by Weight		SOP Moisture		1	11/02/09 11:30	11/02/09 11:30	A911011	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Acenaphthene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Acenaphthylene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Aniline	ND	800	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Benzo(a)anthracene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Benzo(a)pyrene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Benzo(b)fluoranthene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Benzo(ghi)perylene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Benzo(k)fluoranthene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Benzoic acid	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Benzyl alcohol	ND	800	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Benzyl butyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
4-Bromophenyl phenyl ether	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Di-n-butyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
4-Chloroaniline	ND	800	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Bis(2-chloroethoxy)methane	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Bis(2-chloroethyl)ether	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Bis(2-chloroisopropyl)ether	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
4-Chloro-3-methylphenol	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
2-Chloronaphthalene	ND	800	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
2-Chlorophenol	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
4-Chlorophenyl phenyl ether	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Chrysene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Dibenzo(a,h)anthracene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Dibenzofuran	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
1,2-Dichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
1,3-Dichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
1,4-Dichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
3,3'-Dichlorobenzidine	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
2,4-Dichlorophenol	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Diethyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
2,4-Dimethylphenol	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC



ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

Pace Analytical Services Inc. - Huntersv
9800 Kinsey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2129-1/9256476009

Lab Number ID: ASJ1142-09

Date/Time Sampled: 10/28/2009 11:00:00AM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
4,6-Dinitro-2-methylphenol	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
2,4-Dinitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
2,4-Dinitrotoluene	ND	800	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
2,6-Dinitrotoluene	ND	800	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Bis(2-ethylhexyl)phthalate	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Fluoranthene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Fluorene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Hexachlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Hexachlorobutadiene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Hexachlorocyclopentadiene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Hexachloroethane	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Isophorone	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
2-Methylnaphthalene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
2-Methylphenol (o-cresol)	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
3+4-Methylphenol (m+p-cresol)	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Naphthalene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
2-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
3-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
4-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Nitrobenzene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
2-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
4-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
N-Nitrosodimethylamine	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
N-Nitrosodi-n-propylamine	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Di-n-octyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Pentachlorophenol	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Phenanthrene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Phenol	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Pyrene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Pyridine	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
1,2,4-Trichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
2,4,5-Trichlorophenol	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC



ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
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Pace Analytical Services Inc. - Huntersv
9800 Kinsey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2129-1/9256476009

Lab Number ID: ASJ1142-09

Date/Time Sampled: 10/28/2009 11:00:00AM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
1-Methylnaphthalene *	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 17:43	A911065	RAC
Surrogate: 2-Fluorophenol	58 %	10-91		EPA 8270D			11/03/09 10:30	11/3/09 17:43	A911065	
Surrogate: Phenol-d5	65 %	10-98		EPA 8270D			11/03/09 10:30	11/3/09 17:43	A911065	
Surrogate: Nitrobenzene-d5	54 %	10-100		EPA 8270D			11/03/09 10:30	11/3/09 17:43	A911065	
Surrogate: 2-Fluorobiphenyl	53 %	10-102		EPA 8270D			11/03/09 10:30	11/3/09 17:43	A911065	
Surrogate: 2,4,6-Tribromophenol	66 %	10-189		EPA 8270D			11/03/09 10:30	11/3/09 17:43	A911065	
Surrogate: p-Terphenyl-d14	60 %	10-114		EPA 8270D			11/03/09 10:30	11/3/09 17:43	A911065	



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2129-4/9256476010

Date/Time Sampled: 10/28/2009 12:40:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-10

Date/Time Received: 10/31/2009 10:30:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	85.2	0.04 % by Weight		SOP Moisture		1	11/02/09 11:30	11/02/09 11:30	A911011	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Acenaphthene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Acenaphthylene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Aniline	ND	770	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Benzo(a)anthracene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Benzo(a)pyrene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Benzo(b)fluoranthene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Benzo(ghi)perylene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Benzo(k)fluoranthene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Benzoic acid	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Benzyl alcohol	ND	770	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Benzyl butyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
4-Bromophenyl phenyl ether	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Di-n-butyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
4-Chloroaniline	ND	770	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Bis(2-chloroethoxy)methane	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Bis(2-chloroethyl)ether	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Bis(2-chloroisopropyl)ether	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
4-Chloro-3-methylphenol	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
2-Chloronaphthalene	ND	770	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
2-Chlorophenol	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
4-Chlorophenyl phenyl ether	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Chrysene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Dibenzo(a,h)anthracene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Dibenzofuran	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
1,2-Dichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
1,3-Dichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
1,4-Dichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
3,3'-Dichlorobenzidine	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
2,4-Dichlorophenol	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Diethyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
2,4-Dimethylphenol	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC



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9800 Kinsey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2129-4/9256476010

Lab Number ID: ASJ1142-10

Date/Time Sampled: 10/28/2009 12:40:00PM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
2,4-Dinitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
2,4-Dinitrotoluene	ND	770	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
2,6-Dinitrotoluene	ND	770	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Bis(2-ethylhexyl)phthalate	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Fluoranthene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Fluorene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Hexachlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Hexachlorobutadiene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Hexachlorocyclopentadiene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Hexachloroethane	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Indeno(1,2,3-cd)pyrene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Isophorone	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
2-Methylnaphthalene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
3+4-Methylphenol (m+p-cresol)	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
2-Methylphenol (o-cresol)	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Naphthalene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
2-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
3-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
4-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Nitrobenzene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
2-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
4-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
N-Nitrosodimethylamine	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
N-Nitrosodi-n-propylamine	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Di-n-octyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Pentachlorophenol	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Phenanthrene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Phenol	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Pyrene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Pyridine	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
1,2,4-Trichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
2,4,5-Trichlorophenol	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC



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9800 Kinsey Avenue
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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2129-4/9256476010

Lab Number ID: ASJ1142-10

Date/Time Sampled: 10/28/2009 12:40:00PM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
1-Methylnaphthalene *	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:03	A911065	RAC
Surrogate: 2-Fluorophenol	65 %	10-91		EPA 8270D			11/03/09 10:30	11/3/09 18:03	A911065	
Surrogate: Phenol-d5	72 %	10-98		EPA 8270D			11/03/09 10:30	11/3/09 18:03	A911065	
Surrogate: Nitrobenzene-d5	60 %	10-100		EPA 8270D			11/03/09 10:30	11/3/09 18:03	A911065	
Surrogate: 2-Fluorobiphenyl	63 %	10-102		EPA 8270D			11/03/09 10:30	11/3/09 18:03	A911065	
Surrogate: 2,4,6-Tribromophenol	74 %	10-189		EPA 8270D			11/03/09 10:30	11/3/09 18:03	A911065	
Surrogate: p-Terphenyl-d14	69 %	10-114		EPA 8270D			11/03/09 10:30	11/3/09 18:03	A911065	



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9800 Kinney Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2129-3/9256476011

Lab Number ID: ASJ1142-11

Date/Time Sampled: 10/28/2009 1:00:00PM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	83.1	0.04 % by Weight		SOP Moisture		1	11/02/09 11:30	11/02/09 11:30	A911011	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Acenaphthene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Acenaphthylene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Aniline	ND	790	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Benzo(a)anthracene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Benzo(a)pyrene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Benzo(b)fluoranthene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Benzo(ghi)perylene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Benzo(k)fluoranthene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Benzoic acid	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Benzyl alcohol	ND	790	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Benzyl butyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
4-Bromophenyl phenyl ether	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Di-n-butyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
4-Chloroaniline	ND	790	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Bis(2-chloroethoxy)methane	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Bis(2-chloroethyl)ether	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Bis(2-chloroisopropyl)ether	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
4-Chloro-3-methylphenol	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
2-Chloronaphthalene	ND	790	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
2-Chlorophenol	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
4-Chlorophenyl phenyl ether	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Chrysene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Dibenzo(a,h)anthracene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Dibenzofuran	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
1,2-Dichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
1,3-Dichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
1,4-Dichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
3,3'-Dichlorobenzidine	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
2,4-Dichlorophenol	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Diethyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
2,4-Dimethylphenol	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC



ANALYTICAL SERVICES, INC.

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Pace Analytical Services Inc. - Huntersv
9800 Kincey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2129-3/9256476011

Lab Number ID: ASJ1142-11

Date/Time Sampled: 10/28/2009 1:00:00PM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
2,4-Dinitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
2,4-Dinitrotoluene	ND	790	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
2,6-Dinitrotoluene	ND	790	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Bis(2-ethylhexyl)phthalate	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Fluoranthene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Fluorene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Hexachlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Hexachlorobutadiene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Hexachlorocyclopentadiene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Hexachloroethane	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Isophorone	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
2-Methylnaphthalene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
2-Methylphenol (o-cresol)	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
3+4-Methylphenol (m+p-cresol)	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Naphthalene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
2-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
3-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
4-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Nitrobenzene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
2-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
4-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
N-Nitrosodimethylamine	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
N-Nitrosodi-n-propylamine	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Di-n-octyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Pentachlorophenol	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Phenanthrene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Phenol	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Pyrene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Pyridine	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
1,2,4-Trichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
2,4,5-Trichlorophenol	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC



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9800 Kinsey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2129-3/9256476011

Lab Number ID: ASJ1142-11

Date/Time Sampled: 10/28/2009 1:00:00PM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
1-Methylnaphthalene *	ND	400	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:24	A911065	RAC
Surrogate: 2-Fluorophenol	70 %	10-91		EPA 8270D			11/03/09 10:30	11/3/09 18:24	A911065	
Surrogate: Phenol-d5	78 %	10-98		EPA 8270D			11/03/09 10:30	11/3/09 18:24	A911065	
Surrogate: Nitrobenzene-d5	63 %	10-100		EPA 8270D			11/03/09 10:30	11/3/09 18:24	A911065	
Surrogate: 2-Fluorobiphenyl	65 %	10-102		EPA 8270D			11/03/09 10:30	11/3/09 18:24	A911065	
Surrogate: 2,4,6-Tribromophenol	93 %	10-189		EPA 8270D			11/03/09 10:30	11/3/09 18:24	A911065	
Surrogate: p-Terphenyl-d14	84 %	10-114		EPA 8270D			11/03/09 10:30	11/3/09 18:24	A911065	



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November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2129-2/9256476012

Lab Number ID: ASJ1142-12

Date/Time Sampled: 10/28/2009 1:30:00PM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	80.6	0.04 % by Weight		SOP Moisture		1	11/02/09 11:30	11/02/09 11:30	A911011	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Acenaphthene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Acenaphthylene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Aniline	ND	820	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Benzo(a)anthracene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Benzo(a)pyrene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Benzo(b)fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Benzo(ghi)perylene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Benzo(k)fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Benzoic acid	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Benzyl alcohol	ND	820	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Benzyl butyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
4-Bromophenyl phenyl ether	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Di-n-butyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
4-Chloroaniline	ND	820	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Bis(2-chloroethoxy)methane	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Bis(2-chloroethyl)ether	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Bis(2-chloroisopropyl)ether	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
4-Chloro-3-methylphenol	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
2-Chloronaphthalene	ND	820	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
2-Chlorophenol	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
4-Chlorophenyl phenyl ether	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Chrysene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Dibenzo(a,h)anthracene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Dibenzofuran	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
1,2-Dichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
1,3-Dichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
1,4-Dichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
3,3'-Dichlorobenzidine	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
2,4-Dichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Diethyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
2,4-Dimethylphenol	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2129-2/9256476012

Date/Time Sampled: 10/28/2009 1:30:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-12

Date/Time Received: 10/31/2009 10:30:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
4,6-Dinitro-2-methylphenol	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
2,4-Dinitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
2,4-Dinitrotoluene	ND	820	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
2,6-Dinitrotoluene	ND	820	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Bis(2-ethylhexyl)phthalate	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Fluorene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Hexachlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Hexachlorobutadiene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Hexachlorocyclopentadiene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Hexachloroethane	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Isophorone	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
2-Methylnaphthalene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
2-Methylphenol (o-cresol)	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
3+4-Methylphenol (m+p-cresol)	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Naphthalene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
2-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
3-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
4-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Nitrobenzene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
2-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
4-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
N-Nitrosodimethylamine	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
N-Nitrosodi-n-propylamine	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Di-n-octyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Pentachlorophenol	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Phenanthrene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Phenol	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Pyrene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Pyridine	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
1,2,4-Trichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
2,4,5-Trichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC



ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

Pace Analytical Services Inc. - Huntersv
9800 Kinney Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2129-2/9256476012

Lab Number ID: ASJ1142-12

Date/Time Sampled: 10/28/2009 1:30:00PM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
1-Methylnaphthalene *	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 18:45	A911065	RAC
Surrogate: 2-Fluorophenol	69 %	10-91		EPA 8270D			11/03/09 10:30	11/3/09 18:45	A911065	
Surrogate: Phenol-d5	77 %	10-98		EPA 8270D			11/03/09 10:30	11/3/09 18:45	A911065	
Surrogate: Nitrobenzene-d5	63 %	10-100		EPA 8270D			11/03/09 10:30	11/3/09 18:45	A911065	
Surrogate: 2-Fluorobiphenyl	68 %	10-102		EPA 8270D			11/03/09 10:30	11/3/09 18:45	A911065	
Surrogate: 2,4,6-Tribromophenol	82 %	10-189		EPA 8270D			11/03/09 10:30	11/3/09 18:45	A911065	
Surrogate: p-Terphenyl-d14	74 %	10-114		EPA 8270D			11/03/09 10:30	11/3/09 18:45	A911065	



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9800 Kinney Avenue

Huntersville NC, 28078

Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2129-B-9/9256476013

Date/Time Sampled: 10/28/2009 2:05:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-13

Date/Time Received: 10/31/2009 10:30:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	84.1	0.04 % by Weight		SOP Moisture		1	11/02/09 11:30	11/02/09 11:30	A911011	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Acenaphthene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Acenaphthylene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Aniline	ND	780	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Benzo(a)anthracene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Benzo(a)pyrene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Benzo(b)fluoranthene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Benzo(ghi)perylene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Benzo(k)fluoranthene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Benzoic acid	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Benzyl alcohol	ND	780	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Benzyl butyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
4-Bromophenyl phenyl ether	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Di-n-butyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
4-Chloroaniline	ND	780	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Bis(2-chloroethoxy)methane	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Bis(2-chloroethyl)ether	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Bis(2-chloroisopropyl)ether	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
4-Chloro-3-methylphenol	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
2-Chloronaphthalene	ND	780	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
2-Chlorophenol	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
4-Chlorophenyl phenyl ether	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Chrysene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Dibenzo(a,h)anthracene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Dibenzofuran	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
1,2-Dichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
1,3-Dichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
1,4-Dichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
3,3'-Dichlorobenzidine	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
2,4-Dichlorophenol	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Diethyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
2,4-Dimethylphenol	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC



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9800 Kinsey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2129-B-9/9256476013

Lab Number ID: ASJ1142-13

Date/Time Sampled: 10/28/2009 2:05:00PM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
2,4-Dinitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
2,4-Dinitrotoluene	ND	780	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
2,6-Dinitrotoluene	ND	780	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Bis(2-ethylhexyl)phthalate	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Fluoranthene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Fluorene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Hexachlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Hexachlorobutadiene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Hexachlorocyclopentadiene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Hexachloroethane	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Indeno(1,2,3-cd)pyrene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Isophorone	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
2-Methylnaphthalene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
3+4-Methylphenol (m+p-cresol)	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
2-Methylphenol (o-cresol)	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Naphthalene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
2-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
3-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
4-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Nitrobenzene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
2-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
4-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
N-Nitrosodimethylamine	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
N-Nitrosodi-n-propylamine	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Di-n-octyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Pentachlorophenol	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Phenanthrene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Phenol	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Pyrene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Pyridine	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
1,2,4-Trichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
2,4,5-Trichlorophenol	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC



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9800 Kinsey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2129-B-9/9256476013

Date/Time Sampled: 10/28/2009 2:05:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-13

Date/Time Received: 10/31/2009 10:30:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
1-Methylnaphthalene *	ND	390	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:06	A911065	RAC
Surrogate: 2-Fluorophenol	65 %	10-91		EPA 8270D			11/03/09 10:30	11/3/09 19:06	A911065	
Surrogate: Phenol-d5	74 %	10-98		EPA 8270D			11/03/09 10:30	11/3/09 19:06	A911065	
Surrogate: Nitrobenzene-d5	63 %	10-100		EPA 8270D			11/03/09 10:30	11/3/09 19:06	A911065	
Surrogate: 2-Fluorobiphenyl	75 %	10-102		EPA 8270D			11/03/09 10:30	11/3/09 19:06	A911065	
Surrogate: 2,4,6-Tribromophenol	93 %	10-189		EPA 8270D			11/03/09 10:30	11/3/09 19:06	A911065	
Surrogate: p-Terphenyl-d14	78 %	10-114		EPA 8270D			11/03/09 10:30	11/3/09 19:06	A911065	



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2139-1/9256476014

Date/Time Sampled: 10/28/2009 3:35:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-14

Date/Time Received: 10/31/2009 10:30:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	79.4	0.04 % by Weight		SOP Moisture		1	11/02/09 11:30	11/02/09 11:30	A911011	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Acenaphthene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Acenaphthylene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Aniline	ND	830	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Benzo(a)anthracene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Benzo(a)pyrene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Benzo(b)fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Benzo(ghi)perylene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Benzo(k)fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Benzoic acid	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Benzyl alcohol	ND	830	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Benzyl butyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
4-Bromophenyl phenyl ether	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Di-n-butyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
4-Chloroaniline	ND	830	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Bis(2-chloroethoxy)methane	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Bis(2-chloroethyl)ether	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Bis(2-chloroisopropyl)ether	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
4-Chloro-3-methylphenol	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
2-Chloronaphthalene	ND	830	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
2-Chlorophenol	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
4-Chlorophenyl phenyl ether	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Chrysene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Dibenzo(a,h)anthracene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Dibenzofuran	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
1,2-Dichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
1,3-Dichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
1,4-Dichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
3,3'-Dichlorobenzidine	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
2,4-Dichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Diethyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
2,4-Dimethylphenol	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC



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9800 Kinney Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2139-1/9256476014

Lab Number ID: ASJ1142-14

Date/Time Sampled: 10/28/2009 3:35:00PM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
4,6-Dinitro-2-methylphenol	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
2,4-Dinitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
2,4-Dinitrotoluene	ND	830	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
2,6-Dinitrotoluene	ND	830	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Bis(2-ethylhexyl)phthalate	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Fluorene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Hexachlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Hexachlorobutadiene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Hexachlorocyclopentadiene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Hexachloroethane	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Isophorone	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
2-Methylnaphthalene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
2-Methylphenol (o-cresol)	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
3+4-Methylphenol (m+p-cresol)	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Naphthalene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
2-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
3-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
4-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Nitrobenzene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
2-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
4-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
N-Nitrosodimethylamine	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
N-Nitrosodi-n-propylamine	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Di-n-octyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Pentachlorophenol	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Phenanthrene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Phenol	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Pyrene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Pyridine	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
1,2,4-Trichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
2,4,5-Trichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC



ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

Pace Analytical Services Inc. - Huntersv
9800 Kincey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2139-1/9256476014

Date/Time Sampled: 10/28/2009 3:35:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-14

Date/Time Received: 10/31/2009 10:30:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
1-Methylnaphthalene *	ND	410	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:26	A911065	RAC
Surrogate: 2-Fluorophenol	63 %	10-91		EPA 8270D			11/03/09 10:30	11/3/09 19:26	A911065	
Surrogate: Phenol-d5	70 %	10-98		EPA 8270D			11/03/09 10:30	11/3/09 19:26	A911065	
Surrogate: Nitrobenzene-d5	58 %	10-100		EPA 8270D			11/03/09 10:30	11/3/09 19:26	A911065	
Surrogate: 2-Fluorobiphenyl	58 %	10-102		EPA 8270D			11/03/09 10:30	11/3/09 19:26	A911065	
Surrogate: 2,4,6-Tribromophenol	79 %	10-189		EPA 8270D			11/03/09 10:30	11/3/09 19:26	A911065	
Surrogate: p-Terphenyl-d14	65 %	10-114		EPA 8270D			11/03/09 10:30	11/3/09 19:26	A911065	



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2139-2/9256476015

Date/Time Sampled: 10/28/2009 4:05:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-15

Date/Time Received: 10/31/2009 10:30:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	75.7	0.04 %	by Weight	SOP Moisture		1	11/02/09 11:30	11/02/09 11:30	A911011	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Acenaphthene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Acenaphthylene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Aniline	ND	870	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Benzo(a)anthracene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Benzo(a)pyrene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Benzo(b)fluoranthene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Benzo(ghi)perylene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Benzo(k)fluoranthene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Benzoic acid	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Benzyl alcohol	ND	870	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Benzyl butyl phthalate	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
4-Bromophenyl phenyl ether	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Di-n-butyl phthalate	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
4-Chloroaniline	ND	870	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Bis(2-chloroethoxy)methane	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Bis(2-chloroethyl)ether	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Bis(2-chloroisopropyl)ether	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
4-Chloro-3-methylphenol	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
2-Chloronaphthalene	ND	870	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
2-Chlorophenol	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
4-Chlorophenyl phenyl ether	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Chrysene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Dibenzo(a,h)anthracene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Dibenzofuran	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
1,2-Dichlorobenzene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
1,3-Dichlorobenzene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
1,4-Dichlorobenzene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
3,3'-Dichlorobenzidine	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
2,4-Dichlorophenol	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Diethyl phthalate	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
2,4-Dimethylphenol	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2139-2/9256476015

Date/Time Sampled: 10/28/2009 4:05:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-15

Date/Time Received: 10/31/2009 10:30:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
4,6-Dinitro-2-methylphenol	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
2,4-Dinitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
2,4-Dinitrotoluene	ND	870	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
2,6-Dinitrotoluene	ND	870	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Bis(2-ethylhexyl)phthalate	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Fluoranthene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Fluorene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Hexachlorobenzene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Hexachlorobutadiene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Hexachlorocyclopentadiene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Hexachloroethane	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Indeno(1,2,3-cd)pyrene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Isophorone	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
2-Methylnaphthalene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
3+4-Methylphenol (m+p-cresol)	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
2-Methylphenol (o-cresol)	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Naphthalene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
2-Nitroaniline	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
3-Nitroaniline	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
4-Nitroaniline	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Nitrobenzene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
2-Nitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
4-Nitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
N-Nitrosodimethylamine	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
N-Nitrosodi-n-propylamine	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Di-n-octyl phthalate	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Pentachlorophenol	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Phenanthrene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Phenol	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Pyrene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Pyridine	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
1,2,4-Trichlorobenzene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
2,4,5-Trichlorophenol	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC



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November 05, 2009

Report No.: ASJ1142

Client ID: TT-2139-2/9256476015

Date/Time Sampled: 10/28/2009 4:05:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-15

Date/Time Received: 10/31/2009 10:30:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
1-Methylnaphthalene *	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 19:47	A911065	RAC
Surrogate: 2-Fluorophenol	65 %	10-91		EPA 8270D			11/03/09 10:30	11/3/09 19:47	A911065	
Surrogate: Phenol-d5	71 %	10-98		EPA 8270D			11/03/09 10:30	11/3/09 19:47	A911065	
Surrogate: Nitrobenzene-d5	57 %	10-100		EPA 8270D			11/03/09 10:30	11/3/09 19:47	A911065	
Surrogate: 2-Fluorobiphenyl	57 %	10-102		EPA 8270D			11/03/09 10:30	11/3/09 19:47	A911065	
Surrogate: 2,4,6-Tribromophenol	78 %	10-189		EPA 8270D			11/03/09 10:30	11/3/09 19:47	A911065	
Surrogate: p-Terphenyl-d14	74 %	10-114		EPA 8270D			11/03/09 10:30	11/3/09 19:47	A911065	



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November 05, 2009

Report No.: ASJ1142

Client ID: TT-2139-4/9256476016

Date/Time Sampled: 10/28/2009 4:20:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-16

Date/Time Received: 10/31/2009 10:30:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	75.5	0.04 % by Weight		SOP Moisture		1	11/02/09 11:30	11/02/09 11:30	A911011	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Acenaphthene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Acenaphthylene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Aniline	ND	870	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Benzo(a)anthracene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Benzo(a)pyrene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Benzo(b)fluoranthene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Benzo(ghi)perylene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Benzo(k)fluoranthene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Benzoic acid	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Benzyl alcohol	ND	870	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Benzyl butyl phthalate	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
4-Bromophenyl phenyl ether	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Di-n-butyl phthalate	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
4-Chloroaniline	ND	870	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Bis(2-chloroethoxy)methane	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Bis(2-chloroethyl)ether	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Bis(2-chloroisopropyl)ether	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
4-Chloro-3-methylphenol	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
2-Chloronaphthalene	ND	870	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
2-Chlorophenol	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
4-Chlorophenyl phenyl ether	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Chrysene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Dibenzo(a,h)anthracene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Dibenzofuran	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
1,2-Dichlorobenzene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
1,3-Dichlorobenzene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
1,4-Dichlorobenzene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
3,3'-Dichlorobenzidine	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
2,4-Dichlorophenol	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Diethyl phthalate	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
2,4-Dimethylphenol	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC



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(770) 734-4200 FAX (770) 734-4201

Pace Analytical Services Inc. - Huntersv
9800 Kinsey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2139-4/9256476016

Date/Time Sampled: 10/28/2009 4:20:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-16

Date/Time Received: 10/31/2009 10:30:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
4,6-Dinitro-2-methylphenol	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
2,4-Dinitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
2,4-Dinitrotoluene	ND	870	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
2,6-Dinitrotoluene	ND	870	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Bis(2-ethylhexyl)phthalate	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Fluoranthene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Fluorene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Hexachlorobenzene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Hexachlorobutadiene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Hexachlorocyclopentadiene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Hexachloroethane	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Indeno(1,2,3-cd)pyrene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Isophorone	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
2-Methylnaphthalene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
3+4-Methylphenol (m+p-cresol)	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
2-Methylphenol (o-cresol)	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Naphthalene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
2-Nitroaniline	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
3-Nitroaniline	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
4-Nitroaniline	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Nitrobenzene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
2-Nitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
4-Nitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
N-Nitrosodimethylamine	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
N-Nitrosodi-n-propylamine	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Di-n-octyl phthalate	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Pentachlorophenol	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Phenanthrene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Phenol	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Pyrene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Pyridine	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
1,2,4-Trichlorobenzene	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
2,4,5-Trichlorophenol	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC



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9800 Kinsey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2139-4/9256476016

Lab Number ID: ASJ1142-16

Date/Time Sampled: 10/28/2009 4:20:00PM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
1-Methylnaphthalene *	ND	440	ug/kg dry	EPA 8270D		1	11/03/09 10:30	11/03/09 20:08	A911065	RAC
Surrogate: 2-Fluorophenol	63 %	10-91		EPA 8270D			11/03/09 10:30	11/3/09 20:08	A911065	
Surrogate: Phenol-d5	68 %	10-98		EPA 8270D			11/03/09 10:30	11/3/09 20:08	A911065	
Surrogate: Nitrobenzene-d5	55 %	10-100		EPA 8270D			11/03/09 10:30	11/3/09 20:08	A911065	
Surrogate: 2-Fluorobiphenyl	58 %	10-102		EPA 8270D			11/03/09 10:30	11/3/09 20:08	A911065	
Surrogate: 2,4,6-Tribromophenol	71 %	10-189		EPA 8270D			11/03/09 10:30	11/3/09 20:08	A911065	
Surrogate: p-Terphenyl-d14	69 %	10-114		EPA 8270D			11/03/09 10:30	11/3/09 20:08	A911065	



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November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2139-3/9256476017

Lab Number ID: ASJ1142-17

Date/Time Sampled: 10/28/2009 4:50:00PM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	74.8	0.04 % by Weight		SOP Moisture		1	11/02/09 11:30	11/02/09 11:30	A911011	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Acenaphthene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Acenaphthylene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Aniline	ND	880	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Benzo(a)anthracene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Benzo(a)pyrene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Benzo(b)fluoranthene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Benzo(ghi)perylene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Benzo(k)fluoranthene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Benzoic acid	ND	2300	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Benzyl alcohol	ND	880	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Benzyl butyl phthalate	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
4-Bromophenyl phenyl ether	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Di-n-butyl phthalate	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
4-Chloroaniline	ND	880	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Bis(2-chloroethoxy)methane	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Bis(2-chloroethyl)ether	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Bis(2-chloroisopropyl)ether	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
4-Chloro-3-methylphenol	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
2-Chloronaphthalene	ND	880	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
2-Chlorophenol	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
4-Chlorophenyl phenyl ether	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Chrysene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Dibenzo(a,h)anthracene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Dibenzofuran	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
1,2-Dichlorobenzene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
1,3-Dichlorobenzene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
1,4-Dichlorobenzene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
3,3'-Dichlorobenzidine	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
2,4-Dichlorophenol	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Diethyl phthalate	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
2,4-Dimethylphenol	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/



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November 05, 2009

Report No.: ASJ1142

Client ID: TT-2139-3/9256476017

Date/Time Sampled: 10/28/2009 4:50:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-17

Date/Time Received: 10/31/2009 10:30:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
4,6-Dinitro-2-methylphenol	ND	2300	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
2,4-Dinitrophenol	ND	2300	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
2,4-Dinitrotoluene	ND	880	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
2,6-Dinitrotoluene	ND	880	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
1,2-Diphenylhydrazine as azobenzene *	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Bis(2-ethylhexyl)phthalate	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Fluoranthene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Fluorene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Hexachlorobenzene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Hexachlorobutadiene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Hexachlorocyclopentadiene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Hexachloroethane	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Indeno(1,2,3-cd)pyrene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Isophorone	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
2-Methylnaphthalene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
3+4-Methylphenol (m+p-cresol)	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
2-Methylphenol (o-cresol)	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Naphthalene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
2-Nitroaniline	ND	2300	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
3-Nitroaniline	ND	2300	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
4-Nitroaniline	ND	2300	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Nitrobenzene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
2-Nitrophenol	ND	2300	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
4-Nitrophenol	ND	2300	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
N-Nitrosodimethylamine	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
N-Nitrosodiphenylamine/Diphenylamine	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
N-Nitrosodi-n-propylamine	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Di-n-octyl phthalate	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Pentachlorophenol	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Phenanthrene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Phenol	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Pyrene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Pyridine	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
1,2,4-Trichlorobenzene	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
2,4,5-Trichlorophenol	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/



ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

Pace Analytical Services Inc. - Huntersv
9800 Kinsey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2139-3/9256476017

Lab Number ID: ASJ1142-17

Date/Time Sampled: 10/28/2009 4:50:00PM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
1-Methylnaphthalene *	ND	440	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 16:41	A911108	JS/
Surrogate: 2-Fluorophenol	64 %	10-91		EPA 8270D			11/04/09 9:30	11/4/09 16:41	A911108	
Surrogate: Phenol-d5	72 %	10-98		EPA 8270D			11/04/09 9:30	11/4/09 16:41	A911108	
Surrogate: Nitrobenzene-d5	58 %	10-100		EPA 8270D			11/04/09 9:30	11/4/09 16:41	A911108	
Surrogate: 2-Fluorobiphenyl	59 %	10-102		EPA 8270D			11/04/09 9:30	11/4/09 16:41	A911108	
Surrogate: 2,4,6-Tribromophenol	88 %	10-189		EPA 8270D			11/04/09 9:30	11/4/09 16:41	A911108	
Surrogate: p-Terphenyl-d14	69 %	10-114		EPA 8270D			11/04/09 9:30	11/4/09 16:41	A911108	



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9800 Kinsey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2139-B-8.5/9256476018

Lab Number ID: ASJ1142-18

Date/Time Sampled: 10/29/2009 9:20:00AM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	77.7	0.04 % by Weight		SOP Moisture	.	1	11/02/09 11:30	11/02/09 11:30	A911011	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Acenaphthene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Acenaphthylene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Aniline	ND	850	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Benzo(a)anthracene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Benzo(a)pyrene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Benzo(b)fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Benzo(ghi)perylene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Benzo(k)fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Benzoic acid	ND	2200	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Benzyl alcohol	ND	850	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Benzyl butyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
4-Bromophenyl phenyl ether	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Di-n-butyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
4-Chloroaniline	ND	850	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Bis(2-chloroethoxy)methane	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Bis(2-chloroethyl)ether	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Bis(2-chloroisopropyl)ether	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
4-Chloro-3-methylphenol	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
2-Chloronaphthalene	ND	850	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
2-Chlorophenol	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
4-Chlorophenyl phenyl ether	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Chrysene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Dibenzo(a,h)anthracene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Dibenzofuran	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
1,2-Dichlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
1,3-Dichlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
1,4-Dichlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
3,3'-Dichlorobenzidine	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
2,4-Dichlorophenol	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Diethyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
2,4-Dimethylphenol	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC



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9800 Kinney Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2139-B-8.5/9256476018

Lab Number ID: ASJ1142-18

Date/Time Sampled: 10/29/2009 9:20:00AM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
4,6-Dinitro-2-methylphenol	ND	2200	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
2,4-Dinitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
2,4-Dinitrotoluene	ND	850	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
2,6-Dinitrotoluene	ND	850	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Bis(2-ethylhexyl)phthalate	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Fluorene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Hexachlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Hexachlorobutadiene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Hexachlorocyclopentadiene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Hexachloroethane	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Indeno(1,2,3-cd)pyrene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Isophorone	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
2-Methylnaphthalene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
2-Methylphenol (o-cresol)	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
3+4-Methylphenol (m+p-cresol)	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Naphthalene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
2-Nitroaniline	ND	2200	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
3-Nitroaniline	ND	2200	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
4-Nitroaniline	ND	2200	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Nitrobenzene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
2-Nitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
4-Nitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
N-Nitrosodimethylamine	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
N-Nitrosodi-n-propylamine	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Di-n-octyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Pentachlorophenol	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Phenanthrene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Phenol	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Pyrene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Pyridine	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
1,2,4-Trichlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
2,4,5-Trichlorophenol	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC



ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

Pace Analytical Services Inc. - Huntersv
9800 Kinsey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2139-B-8.5/9256476018

Date/Time Sampled: 10/29/2009 9:20:00AM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-18

Date/Time Received: 10/31/2009 10:30:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
1-Methylnaphthalene *	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:12	A911108	RAC
Surrogate: 2-Fluorophenol	63 %	10-91		EPA 8270D			11/04/09 9:30	11/4/09 17:12	A911108	
Surrogate: Phenol-d5	68 %	10-98		EPA 8270D			11/04/09 9:30	11/4/09 17:12	A911108	
Surrogate: Nitrobenzene-d5	61 %	10-100		EPA 8270D			11/04/09 9:30	11/4/09 17:12	A911108	
Surrogate: 2-Fluorobiphenyl	63 %	10-102		EPA 8270D			11/04/09 9:30	11/4/09 17:12	A911108	
Surrogate: 2,4,6-Tribromophenol	86 %	10-189		EPA 8270D			11/04/09 9:30	11/4/09 17:12	A911108	
Surrogate: p-Terphenyl-d14	71 %	10-114		EPA 8270D			11/04/09 9:30	11/4/09 17:12	A911108	



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November 05, 2009

Report No.: ASJ1142

Client ID: TT-2969-2/9256476019

Date/Time Sampled: 10/29/2009 12:10:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-19

Date/Time Received: 10/31/2009 10:30:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	78.5	0.04 % by Weight		SOP Moisture		1	11/02/09 11:30	11/02/09 11:30	A911011	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Acenaphthene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Acenaphthylene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Aniline	ND	840	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Benzo(a)anthracene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Benzo(a)pyrene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Benzo(b)fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Benzo(ghi)perylene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Benzo(k)fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Benzoic acid	ND	2200	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Benzyl alcohol	ND	840	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Benzyl butyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
4-Bromophenyl phenyl ether	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Di-n-butyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
4-Chloroaniline	ND	840	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Bis(2-chloroethoxy)methane	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Bis(2-chloroethyl)ether	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Bis(2-chloroisopropyl)ether	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
4-Chloro-3-methylphenol	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
2-Chloronaphthalene	ND	840	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
2-Chlorophenol	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
4-Chlorophenyl phenyl ether	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Chrysene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Dibenzo(a,h)anthracene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Dibenzofuran	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
1,2-Dichlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
1,3-Dichlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
1,4-Dichlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
3,3'-Dichlorobenzidine	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
2,4-Dichlorophenol	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Diethyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
2,4-Dimethylphenol	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2969-2/9256476019

Lab Number ID: ASJ1142-19

Date/Time Sampled: 10/29/2009 12:10:00PM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
4,6-Dinitro-2-methylphenol	ND	2200	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
2,4-Dinitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
2,4-Dinitrotoluene	ND	840	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
2,6-Dinitrotoluene	ND	840	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Bis(2-ethylhexyl)phthalate	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Fluorene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Hexachlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Hexachlorobutadiene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Hexachlorocyclopentadiene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Hexachloroethane	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Indeno(1,2,3-cd)pyrene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Isophorone	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
2-Methylnaphthalene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
2-Methylphenol (o-cresol)	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
3+4-Methylphenol (m+p-cresol)	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Naphthalene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
2-Nitroaniline	ND	2200	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
3-Nitroaniline	ND	2200	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
4-Nitroaniline	ND	2200	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Nitrobenzene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
2-Nitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
4-Nitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
N-Nitrosodimethylamine	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
N-Nitrosodi-n-propylamine	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Di-n-octyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Pentachlorophenol	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Phenanthrene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Phenol	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Pyrene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Pyridine	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
1,2,4-Trichlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
2,4,5-Trichlorophenol	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC



ANALYTICAL SERVICES, INC.

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110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

Pace Analytical Services Inc. - Huntersv
9800 Kinsey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2969-2/9256476019

Date/Time Sampled: 10/29/2009 12:10:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-19

Date/Time Received: 10/31/2009 10:30:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
1-Methylnaphthalene *	ND	420	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:35	A911108	RAC
Surrogate: 2-Fluorophenol	64 %	10-91		EPA 8270D			11/04/09 9:30	11/4/09 17:35	A911108	
Surrogate: Phenol-d5	69 %	10-98		EPA 8270D			11/04/09 9:30	11/4/09 17:35	A911108	
Surrogate: Nitrobenzene-d5	54 %	10-100		EPA 8270D			11/04/09 9:30	11/4/09 17:35	A911108	
Surrogate: 2-Fluorobiphenyl	58 %	10-102		EPA 8270D			11/04/09 9:30	11/4/09 17:35	A911108	
Surrogate: 2,4,6-Tribromophenol	75 %	10-189		EPA 8270D			11/04/09 9:30	11/4/09 17:35	A911108	
Surrogate: p-Terphenyl-d14	77 %	10-114		EPA 8270D			11/04/09 9:30	11/4/09 17:35	A911108	



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2969-4/9256476020

Date/Time Sampled: 10/29/2009 12:40:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-20

Date/Time Received: 10/31/2009 10:30:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	80.3	0.04 % by Weight		SOP Moisture		1	11/02/09 11:30	11/02/09 11:30	A911011	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Acenaphthene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Acenaphthylene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Aniline	ND	820	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Benzo(a)anthracene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Benzo(a)pyrene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Benzo(b)fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Benzo(ghi)perylene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Benzo(k)fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Benzoic acid	ND	2100	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Benzyl alcohol	ND	820	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Benzyl butyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
4-Bromophenyl phenyl ether	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Di-n-butyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
4-Chloroaniline	ND	820	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Bis(2-chloroethoxy)methane	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Bis(2-chloroethyl)ether	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Bis(2-chloroisopropyl)ether	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
4-Chloro-3-methylphenol	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
2-Chloronaphthalene	ND	820	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
2-Chlorophenol	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
4-Chlorophenyl phenyl ether	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Chrysene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Dibenzo(a,h)anthracene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Dibenzofuran	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
1,2-Dichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
1,3-Dichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
1,4-Dichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
3,3'-Dichlorobenzidine	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
2,4-Dichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Diethyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
2,4-Dimethylphenol	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC



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Pace Analytical Services Inc. - Huntersv
9800 Kinney Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2969-4/9256476020

Lab Number ID: ASJ1142-20

Date/Time Sampled: 10/29/2009 12:40:00PM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
4,6-Dinitro-2-methylphenol	ND	2100	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
2,4-Dinitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
2,4-Dinitrotoluene	ND	820	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
2,6-Dinitrotoluene	ND	820	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Bis(2-ethylhexyl)phthalate	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Fluorene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Hexachlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Hexachlorobutadiene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Hexachlorocyclopentadiene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Hexachloroethane	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Isophorone	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
2-Methylnaphthalene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
2-Methylphenol (o-cresol)	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
3+4-Methylphenol (m+p-cresol)	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Naphthalene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
2-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
3-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
4-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Nitrobenzene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
2-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
4-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
N-Nitrosodimethylamine	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
N-Nitrosodi-n-propylamine	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Di-n-octyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Pentachlorophenol	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Phenanthrene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Phenol	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Pyrene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Pyridine	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
1,2,4-Trichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
2,4,5-Trichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2969-4/9256476020

Lab Number ID: ASJ1142-20

Date/Time Sampled: 10/29/2009 12:40:00PM

Date/Time Received: 10/31/2009 10:30:00AM

Matrix: Solid

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
1-Methylnaphthalene *	ND	410	ug/kg dry	EPA 8270D		1	11/04/09 9:30	11/04/09 17:57	A911108	RAC
Surrogate: 2-Fluorophenol	61 %	10-91		EPA 8270D			11/04/09 9:30	11/4/09 17:57	A911108	
Surrogate: Phenol-d5	66 %	10-98		EPA 8270D			11/04/09 9:30	11/4/09 17:57	A911108	
Surrogate: Nitrobenzene-d5	51 %	10-100		EPA 8270D			11/04/09 9:30	11/4/09 17:57	A911108	
Surrogate: 2-Fluorobiphenyl	56 %	10-102		EPA 8270D			11/04/09 9:30	11/4/09 17:57	A911108	
Surrogate: 2,4,6-Tribromophenol	72 %	10-189		EPA 8270D			11/04/09 9:30	11/4/09 17:57	A911108	
Surrogate: p-Terphenyl-d14	66 %	10-114		EPA 8270D			11/04/09 9:30	11/4/09 17:57	A911108	



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November 05, 2009

Report No.: ASJ1142

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch A911011 - % Solids										
Duplicate (A911011-DUP1)		Source: ASJ1142-19			Prepared & Analyzed: 11/02/09					
% Solids	79.0	0.04	% by Weight		78.5			0.6	12	
Duplicate (A911011-DUP2)		Source: ASJ1142-20			Prepared & Analyzed: 11/02/09					
% Solids	80.7	0.04	% by Weight		80.3			0.5	12	



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November 05, 2009

Report No.: ASJ1142

Semivolatile Organic Compounds by EPA 8270 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Qual
Batch A911065 - EPA 3550B									
Blank (A911065-BLK1)					Prepared & Analyzed: 11/03/09				
Anthracene	ND	330	ug/kg wet						
Acenaphthene	ND	330	ug/kg wet						
Acenaphthylene	ND	330	ug/kg wet						
Aniline	ND	660	ug/kg wet						
Benzo(a)anthracene	ND	330	ug/kg wet						
Benzo(a)pyrene	ND	330	ug/kg wet						
Benzo(b)fluoranthene	ND	330	ug/kg wet						
Benzo(ghi)perylene	ND	330	ug/kg wet						
Benzo(k)fluoranthene	ND	330	ug/kg wet						
Benzoic acid	ND	1700	ug/kg wet						
Benzyl alcohol	ND	660	ug/kg wet						
Benzyl butyl phthalate	ND	330	ug/kg wet						
4-Bromophenyl phenyl ether	ND	330	ug/kg wet						
Di-n-butyl phthalate	ND	330	ug/kg wet						
4-Chloroaniline	ND	660	ug/kg wet						
Bis(2-chloroethoxy)methane	ND	330	ug/kg wet						
Bis(2-chloroethyl)ether	ND	330	ug/kg wet						
Bis(2-chloroisopropyl)ether	ND	330	ug/kg wet						
4-Chloro-3-methylphenol	ND	330	ug/kg wet						
2-Chloronaphthalene	ND	660	ug/kg wet						
2-Chlorophenol	ND	330	ug/kg wet						
4-Chlorophenyl phenyl ether	ND	330	ug/kg wet						
Chrysene	ND	330	ug/kg wet						
Dibenzo(a,h)anthracene	ND	330	ug/kg wet						
Dibenzofuran	ND	330	ug/kg wet						
1,2-Dichlorobenzene	ND	330	ug/kg wet						
1,3-Dichlorobenzene	ND	330	ug/kg wet						
1,4-Dichlorobenzene	ND	330	ug/kg wet						
3,3'-Dichlorobenzidine	ND	330	ug/kg wet						
2,4-Dichlorophenol	ND	330	ug/kg wet						
Diethyl phthalate	ND	330	ug/kg wet						
2,4-Dimethylphenol	ND	330	ug/kg wet						
Dimethyl phthalate	ND	330	ug/kg wet						
4,6-Dinitro-2-methylphenol	ND	1700	ug/kg wet						
2,4-Dinitrophenol	ND	1700	ug/kg wet						
2,4-Dinitrotoluene	ND	660	ug/kg wet						
2,6-Dinitrotoluene	ND	660	ug/kg wet						
1,2-Diphenylhydrazine as azobenzene	ND	330	ug/kg wet						
Bis(2-ethylhexyl)phthalate	ND	330	ug/kg wet						
Fluoranthene	ND	330	ug/kg wet						
Fluorene	ND	330	ug/kg wet						



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Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Semivolatile Organic Compounds by EPA 8270 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch A911065 - EPA 3550B										
Blank (A911065-BLK1)					Prepared & Analyzed: 11/03/09					
Hexachlorobenzene	ND	330	ug/kg wet							
Hexachlorobutadiene	ND	330	ug/kg wet							
Hexachlorocyclopentadiene	ND	330	ug/kg wet							
Hexachloroethane	ND	330	ug/kg wet							
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg wet							
Isophorone	ND	330	ug/kg wet							
2-Methylnaphthalene	ND	330	ug/kg wet							
2-Methylphenol (o-cresol)	ND	330	ug/kg wet							
3+4-Methylphenol (m+p-cresol)	ND	330	ug/kg wet							
Naphthalene	ND	330	ug/kg wet							
2-Nitroaniline	ND	1700	ug/kg wet							
3-Nitroaniline	ND	1700	ug/kg wet							
4-Nitroaniline	ND	1700	ug/kg wet							
Nitrobenzene	ND	330	ug/kg wet							
2-Nitrophenol	ND	1700	ug/kg wet							
4-Nitrophenol	ND	1700	ug/kg wet							
N-Nitrosodimethylamine	ND	330	ug/kg wet							
N-Nitrosodiphenylamine/Diphenylamine	ND	330	ug/kg wet							
N-Nitrosodi-n-propylamine	ND	330	ug/kg wet							
Di-n-octyl phthalate	ND	330	ug/kg wet							
Pentachlorophenol	ND	330	ug/kg wet							
Phenanthrene	ND	330	ug/kg wet							
Phenol	ND	330	ug/kg wet							
Pyrene	ND	330	ug/kg wet							
Pyridine	ND	330	ug/kg wet							
1,2,4-Trichlorobenzene	ND	330	ug/kg wet							
2,4,5-Trichlorophenol	ND	330	ug/kg wet							
2,4,6-Trichlorophenol	ND	330	ug/kg wet							
1-Methylnaphthalene	ND	330	ug/kg wet							
Surrogate: 2-Fluorophenol	2012		ug/kg wet	3325.6		60	10-91			
Surrogate: Phenol-d5	2233		ug/kg wet	3325.6		67	10-98			
Surrogate: Nitrobenzene-d5	887.9		ug/kg wet	1662.8		53	10-100			
Surrogate: 2-Fluorobiphenyl	1049		ug/kg wet	1662.8		63	10-102			
Surrogate: 2,4,6-Tribromophenol	2444		ug/kg wet	3325.6		73	10-189			
Surrogate: p-Terphenyl-d14	1297		ug/kg wet	1662.8		78	10-114			



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November 05, 2009

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Semivolatile Organic Compounds by EPA 8270 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch A911065 - EPA 3550B										
LCS (A911065-BS1)					Prepared & Analyzed: 11/03/09					
Acenaphthene	1200	330	ug/kg wet	1665.6		74	29-105			
4-Chloro-3-methylphenol	2200	330	ug/kg wet	3331.1		65	35-97			
2-Chlorophenol	2000	330	ug/kg wet	3331.1		61	29-91			
1,4-Dichlorobenzene	1000	330	ug/kg wet	1665.6		61	24-89			
2,4-Dinitrotoluene	1200	660	ug/kg wet	1665.6		72	34-103			
4-Nitrophenol	2000	1700	ug/kg wet	3331.1		59	19-118			
N-Nitrosodi-n-propylamine	1200	330	ug/kg wet	1665.6		70	23-97			
Pentachlorophenol	2200	330	ug/kg wet	3331.1		67	29-119			
Phenol	2100	330	ug/kg wet	3331.1		63	29-90			
Pyrene	1500	330	ug/kg wet	1665.6		93	34-134			
1,2,4-Trichlorobenzene	1100	330	ug/kg wet	1665.6		64	22-97			
Surrogate: 2-Fluorophenol	1875		ug/kg wet	3331.1		56	10-91			
Surrogate: Phenol-d5	2074		ug/kg wet	3331.1		62	10-98			
Surrogate: Nitrobenzene-d5	858.4		ug/kg wet	1665.6		52	10-100			
Surrogate: 2-Fluorobiphenyl	1031		ug/kg wet	1665.6		62	10-102			
Surrogate: 2,4,6-Tribromophenol	2594		ug/kg wet	3331.1		78	10-189			
Surrogate: p-Terphenyl-d14	1213		ug/kg wet	1665.6		73	10-114			
Matrix Spike (A911065-MS1)					Source: ASJ1137-01 Prepared & Analyzed: 11/03/09					
Acenaphthene	1500	390	ug/kg dry	1974.2	ND	77	31-105			
4-Chloro-3-methylphenol	2900	390	ug/kg dry	3948.5	ND	73	32-100			
2-Chlorophenol	2400	390	ug/kg dry	3948.5	ND	60	28-91			
1,4-Dichlorobenzene	1200	390	ug/kg dry	1974.2	ND	60	24-85			
2,4-Dinitrotoluene	1600	780	ug/kg dry	1974.2	ND	80	23-111			
4-Nitrophenol	2700	2000	ug/kg dry	3948.5	ND	69	20-104			
N-Nitrosodi-n-propylamine	1400	390	ug/kg dry	1974.2	ND	71	26-92			
Pentachlorophenol	3200	390	ug/kg dry	3948.5	ND	82	24-118			
Phenol	2400	390	ug/kg dry	3948.5	ND	60	29-89			
Pyrene	1700	390	ug/kg dry	1974.2	ND	84	43-120			
1,2,4-Trichlorobenzene	1200	390	ug/kg dry	1974.2	ND	62	24-93			
Surrogate: 2-Fluorophenol	2148		ug/kg dry	3948.5		54	10-91			
Surrogate: Phenol-d5	2512		ug/kg dry	3948.5		64	10-98			
Surrogate: Nitrobenzene-d5	1025		ug/kg dry	1974.2		52	10-100			
Surrogate: 2-Fluorobiphenyl	1132		ug/kg dry	1974.2		57	10-102			
Surrogate: 2,4,6-Tribromophenol	3175		ug/kg dry	3948.5		80	10-189			
Surrogate: p-Terphenyl-d14	1238		ug/kg dry	1974.2		63	10-114			



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November 05, 2009

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Semivolatile Organic Compounds by EPA 8270 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch A911065 - EPA 3550B										
Matrix Spike Dup (A911065-MSD1)			Source: ASJ1137-01			Prepared & Analyzed: 11/03/09				
Acenaphthene	1700	390	ug/kg dry	1972.9	ND	88	31-105	13	45	
4-Chloro-3-methylphenol	3200	390	ug/kg dry	3945.9	ND	82	32-100	12	59	
2-Chlorophenol	2800	390	ug/kg dry	3945.9	ND	70	28-91	16	50	
1,4-Dichlorobenzene	1300	390	ug/kg dry	1972.9	ND	68	24-85	13	46	
2,4-Dinitrotoluene	1700	780	ug/kg dry	1972.9	ND	87	23-111	9	53	
4-Nitrophenol	3200	2000	ug/kg dry	3945.9	ND	81	20-104	17	56	
N-Nitrosodi-n-propylamine	1700	390	ug/kg dry	1972.9	ND	85	26-92	18	69	
Pentachlorophenol	3600	390	ug/kg dry	3945.9	ND	92	24-118	12	47	
Phenol	2800	390	ug/kg dry	3945.9	ND	70	29-89	16	49	
Pyrene	2000	390	ug/kg dry	1972.9	ND	100	43-120	18	45	
1,2,4-Trichlorobenzene	1400	390	ug/kg dry	1972.9	ND	71	24-93	14	51	
Surrogate: 2-Fluorophenol	2575		ug/kg dry	3945.9		65	10-91			
Surrogate: Phenol-d5	3002		ug/kg dry	3945.9		76	10-98			
Surrogate: Nitrobenzene-d5	1208		ug/kg dry	1972.9		61	10-100			
Surrogate: 2-Fluorobiphenyl	1372		ug/kg dry	1972.9		70	10-102			
Surrogate: 2,4,6-Tribromophenol	3636		ug/kg dry	3945.9		92	10-189			
Surrogate: p-Terphenyl-d14	1391		ug/kg dry	1972.9		71	10-114			

Batch A911108 - EPA 3550B

Blank (A911108-BLK1)			Prepared & Analyzed: 11/04/09							
Anthracene	ND	330	ug/kg wet							
Acenaphthene	ND	330	ug/kg wet							
Acenaphthylene	ND	330	ug/kg wet							
Aniline	ND	660	ug/kg wet							
Benzo(a)anthracene	ND	330	ug/kg wet							
Benzo(a)pyrene	ND	330	ug/kg wet							
Benzo(b)fluoranthene	ND	330	ug/kg wet							
Benzo(ghi)perylene	ND	330	ug/kg wet							
Benzo(k)fluoranthene	ND	330	ug/kg wet							
Benzoic acid	ND	1700	ug/kg wet							
Benzyl alcohol	ND	660	ug/kg wet							
Benzyl butyl phthalate	ND	330	ug/kg wet							
4-Bromophenyl phenyl ether	ND	330	ug/kg wet							
Di-n-butyl phthalate	ND	330	ug/kg wet							
4-Chloroaniline	ND	660	ug/kg wet							
Bis(2-chloroethoxy)methane	ND	330	ug/kg wet							
Bis(2-chloroethyl)ether	ND	330	ug/kg wet							
Bis(2-chloroisopropyl)ether	ND	330	ug/kg wet							
4-Chloro-3-methylphenol	ND	330	ug/kg wet							
2-Chloronaphthalene	ND	660	ug/kg wet							
2-Chlorophenol	ND	330	ug/kg wet							



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Semivolatile Organic Compounds by EPA 8270 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch A911108 - EPA 3550B										
Blank (A911108-BLK1)					Prepared & Analyzed: 11/04/09					
4-Chlorophenyl phenyl ether	ND	330	ug/kg wet							
Chrysene	ND	330	ug/kg wet							
Dibenzo(a,h)anthracene	ND	330	ug/kg wet							
Dibenzofuran	ND	330	ug/kg wet							
1,2-Dichlorobenzene	ND	330	ug/kg wet							
1,3-Dichlorobenzene	ND	330	ug/kg wet							
1,4-Dichlorobenzene	ND	330	ug/kg wet							
3,3'-Dichlorobenzidine	ND	330	ug/kg wet							
2,4-Dichlorophenol	ND	330	ug/kg wet							
Diethyl phthalate	ND	330	ug/kg wet							
2,4-Dimethylphenol	ND	330	ug/kg wet							
Dimethyl phthalate	ND	330	ug/kg wet							
4,6-Dinitro-2-methylphenol	ND	1700	ug/kg wet							
2,4-Dinitrophenol	ND	1700	ug/kg wet							
2,4-Dinitrotoluene	ND	660	ug/kg wet							
2,6-Dinitrotoluene	ND	660	ug/kg wet							
1,2-Diphenylhydrazine as azobenzene	ND	330	ug/kg wet							
Bis(2-ethylhexyl)phthalate	ND	330	ug/kg wet							
Fluoranthene	ND	330	ug/kg wet							
Fluorene	ND	330	ug/kg wet							
Hexachlorobenzene	ND	330	ug/kg wet							
Hexachlorobutadiene	ND	330	ug/kg wet							
Hexachlorocyclopentadiene	ND	330	ug/kg wet							
Hexachloroethane	ND	330	ug/kg wet							
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg wet							
Isophorone	ND	330	ug/kg wet							
2-Methylnaphthalene	ND	330	ug/kg wet							
3+4-Methylphenol (m+p-cresol)	ND	330	ug/kg wet							
2-Methylphenol (o-cresol)	ND	330	ug/kg wet							
Naphthalene	ND	330	ug/kg wet							
2-Nitroaniline	ND	1700	ug/kg wet							
3-Nitroaniline	ND	1700	ug/kg wet							
4-Nitroaniline	ND	1700	ug/kg wet							
Nitrobenzene	ND	330	ug/kg wet							
2-Nitrophenol	ND	1700	ug/kg wet							
4-Nitrophenol	ND	1700	ug/kg wet							
N-Nitrosodimethylamine	ND	330	ug/kg wet							
N-Nitrosodiphenylamine/Diphenylamine	ND	330	ug/kg wet							
N-Nitrosodi-n-propylamine	ND	330	ug/kg wet							
Di-n-octyl phthalate	ND	330	ug/kg wet							
Pentachlorophenol	ND	330	ug/kg wet							



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Semivolatile Organic Compounds by EPA 8270 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Qual
Batch A911108 - EPA 3550B									
Blank (A911108-BLK1)					Prepared & Analyzed: 11/04/09				
Phenanthrene	ND	330	ug/kg wet						
Phenol	ND	330	ug/kg wet						
Pyrene	ND	330	ug/kg wet						
Pyridine	ND	330	ug/kg wet						
1,2,4-Trichlorobenzene	ND	330	ug/kg wet						
2,4,5-Trichlorophenol	ND	330	ug/kg wet						
2,4,6-Trichlorophenol	ND	330	ug/kg wet						
1-Methylnaphthalene	ND	330	ug/kg wet						
Surrogate: 2-Fluorophenol	2168		ug/kg wet	3320.1		65	10-91		
Surrogate: Phenol-d5	2486		ug/kg wet	3320.1		75	10-98		
Surrogate: Nitrobenzene-d5	942.2		ug/kg wet	1660.0		57	10-100		
Surrogate: 2-Fluorobiphenyl	1133		ug/kg wet	1660.0		68	10-102		
Surrogate: 2,4,6-Tribromophenol	2613		ug/kg wet	3320.1		79	10-189		
Surrogate: p-Terphenyl-d14	1433		ug/kg wet	1660.0		86	10-114		
LCS (A911108-BS1)					Prepared & Analyzed: 11/04/09				
Acenaphthene	1500	330	ug/kg wet	1661.1		88	29-105		
4-Chloro-3-methylphenol	2500	330	ug/kg wet	3322.3		76	35-97		
2-Chlorophenol	2300	330	ug/kg wet	3322.3		70	29-91		
1,4-Dichlorobenzene	1200	330	ug/kg wet	1661.1		71	24-89		
2,4-Dinitrotoluene	1400	660	ug/kg wet	1661.1		83	34-103		
4-Nitrophenol	2200	1700	ug/kg wet	3322.3		66	19-118		
N-Nitrosodi-n-propylamine	1400	330	ug/kg wet	1661.1		85	23-97		
Pentachlorophenol	2500	330	ug/kg wet	3322.3		75	29-119		
Phenol	2500	330	ug/kg wet	3322.3		75	29-90		
Pyrene	1700	330	ug/kg wet	1661.1		101	34-134		
1,2,4-Trichlorobenzene	1200	330	ug/kg wet	1661.1		71	22-97		
Surrogate: 2-Fluorophenol	2197		ug/kg wet	3322.3		66	10-91		
Surrogate: Phenol-d5	2479		ug/kg wet	3322.3		75	10-98		
Surrogate: Nitrobenzene-d5	953.8		ug/kg wet	1661.1		57	10-100		
Surrogate: 2-Fluorobiphenyl	1191		ug/kg wet	1661.1		72	10-102		
Surrogate: 2,4,6-Tribromophenol	2547		ug/kg wet	3322.3		77	10-189		
Surrogate: p-Terphenyl-d14	1292		ug/kg wet	1661.1		78	10-114		



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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch A911108 - EPA 3550B										
Matrix Spike (A911108-MS1)		Source: ASJ1138-01			Prepared & Analyzed: 11/04/09					
Acenaphthene	1500	330	ug/kg wet	1665.6	ND	88	31-105			
4-Chloro-3-methylphenol	2700	330	ug/kg wet	3331.1	ND	80	32-100			
2-Chlorophenol	2300	330	ug/kg wet	3331.1	ND	69	28-91			
1,4-Dichlorobenzene	1100	330	ug/kg wet	1665.6	ND	68	24-85			
2,4-Dinitrotoluene	1400	660	ug/kg wet	1665.6	ND	83	23-111			
4-Nitrophenol	2300	1700	ug/kg wet	3331.1	ND	68	20-104			
N-Nitrosodi-n-propylamine	1400	330	ug/kg wet	1665.6	ND	82	26-92			
Pentachlorophenol	2700	330	ug/kg wet	3331.1	ND	82	24-118			
Phenol	2500	330	ug/kg wet	3331.1	ND	74	29-89			
Pyrene	1500	330	ug/kg wet	1665.6	ND	93	43-120			
1,2,4-Trichlorobenzene	1200	330	ug/kg wet	1665.6	ND	70	24-93			
Surrogate: 2-Fluorophenol	2074		ug/kg wet	3331.1		62	10-91			
Surrogate: Phenol-d5	2420		ug/kg wet	3331.1		73	10-98			
Surrogate: Nitrobenzene-d5	886.1		ug/kg wet	1665.6		53	10-100			
Surrogate: 2-Fluorobiphenyl	1123		ug/kg wet	1665.6		67	10-102			
Surrogate: 2,4,6-Tribromophenol	2584		ug/kg wet	3331.1		78	10-189			
Surrogate: p-Terphenyl-d14	1082		ug/kg wet	1665.6		65	10-114			
Matrix Spike Dup (A911108-MSD1)		Source: ASJ1138-01			Prepared & Analyzed: 11/04/09					
Acenaphthene	1600	330	ug/kg wet	1665.6	ND	95	31-105	7	45	
4-Chloro-3-methylphenol	2800	330	ug/kg wet	3331.1	ND	85	32-100	6	59	
2-Chlorophenol	2400	330	ug/kg wet	3331.1	ND	72	28-91	3	50	
1,4-Dichlorobenzene	1100	330	ug/kg wet	1665.6	ND	69	24-85	0.5	46	
2,4-Dinitrotoluene	1500	660	ug/kg wet	1665.6	ND	87	23-111	5	53	
4-Nitrophenol	2500	1700	ug/kg wet	3331.1	ND	75	20-104	10	56	
N-Nitrosodi-n-propylamine	1400	330	ug/kg wet	1665.6	ND	85	26-92	4	69	
Pentachlorophenol	3000	330	ug/kg wet	3331.1	ND	89	24-118	7	47	
Phenol	2600	330	ug/kg wet	3331.1	ND	77	29-89	4	49	
Pyrene	1600	330	ug/kg wet	1665.6	ND	94	43-120	1	45	
1,2,4-Trichlorobenzene	1200	330	ug/kg wet	1665.6	ND	75	24-93	6	51	
Surrogate: 2-Fluorophenol	2094		ug/kg wet	3331.1		63	10-91			
Surrogate: Phenol-d5	2428		ug/kg wet	3331.1		73	10-98			
Surrogate: Nitrobenzene-d5	954.7		ug/kg wet	1665.6		57	10-100			
Surrogate: 2-Fluorobiphenyl	1190		ug/kg wet	1665.6		71	10-102			
Surrogate: 2,4,6-Tribromophenol	2735		ug/kg wet	3331.1		82	10-189			
Surrogate: p-Terphenyl-d14	1071		ug/kg wet	1665.6		64	10-114			



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Laboratory Certifications

Code	Description	Number	Expires
NELAC	NELAC (Drinking Water, Non-Potable Water, Solids)	E87315	06/30/2010
SC	South Carolina	98011001	06/30/2010



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Legend

Definition of Laboratory Terms

- ND** - None Detected at the Reporting Limit
- TIC** - Tentatively Identified Compound
- CFU** - Colony Forming Units
- SOP** - Method run per ASI Standard Operating Procedure
- RL** - Reporting Limit
- DF** - Dilution Factor
- * - Analyte not included in the NELAC list of certified analytes.

Sample Information

N-Nitrosodiphenylamine breaks down to diphenylamine in the GCMS; both analytes are reported as N-Nitrosodiphenylamine. ASI is not NELAC certified for diphenylamine.

Phthalic acid and phthalic anhydride are reported as dimethyl phthalate

Maleic acid and maleic anhydride are reported as dimethyl malate

1,2-Diphenylhydrazine breaks down to azobenzene in the GCMS; both analytes are reported as azobenzene

Definition of Qualifiers

Note: Unless otherwise noted, all results are reported on an as received basis.



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9800 Kinney Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Chain of Custody

Report / Invoice To		Workorder Name:		TT-1 Tank Yank		Results Requested		11/5/2009	
Ashley Nifong Pace Analytical Charlotte 9800 Kinney Ave. Suite 100 Huntersville, NC 28078 Phone (704) 875-9092 Email: ashley.nifong@paceanalabs.com		Subcontract To		P.O.		Requested Analysis			
Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers	LAB USE ONLY			
1	TT-2869-1	10/29/2009 13:20	9256476001	Solid					1
2	TT-2869-3	10/29/2009 14:30	9256476002	Solid					2
3	TT-2869-B-9.5	10/29/2009 14:00	9256476003	Solid					3
4	TT-2111-1	10/30/2009 08:30	9256476004	Solid					4
5	TT-2111-4	10/30/2009 08:50	9256476005	Solid					5
6	TT-2111-2	10/30/2009 09:25	9256476006	Solid					6
7	TT-2111-3	10/30/2009 09:40	9256476007	Solid					7
8	TT-2111-B-6	10/30/2009 10:00	9256476008	Solid					8
9	TT-2129-1	10/28/2009 11:00	9256476009	Solid					9
10	TT-2129-4	10/28/2009 12:40	9256476010	Solid					10
11	TT-2129-3	10/28/2009 13:00	9256476011	Solid					11
12	TT-2129-2	10/28/2009 13:30	9256476012	Solid					12
13	TT-2129-B-9	10/28/2009 14:05	9256476013	Solid					13
14	TT-2139-1	10/28/2009 15:35	9256476014	Solid					14
15	TT-2139-2	10/28/2009 16:05	9256476015	Solid					15
16	TT-2139-4	10/28/2009 16:20	9256476016	Solid					16
17	TT-2139-3	10/28/2009 16:50	9256476017	Solid					17
18	TT-2139-B-4.5	10/29/2009 09:20	9256476018	Solid					18
19	TT-2869-2	10/29/2009 12:10	9256476019	Solid					19

Friday, October 30, 2009 6:46:41 PM

FMT-ALL-C-002rev 00 24 March 2009

Page 1 of 2

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Fedex

ANALYTICAL SERVICES, INC.

November 05, 2009

Pace Analytical Services Inc. - Huntersville
9800 Kincey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong



Results Requested 11/5/2009

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