

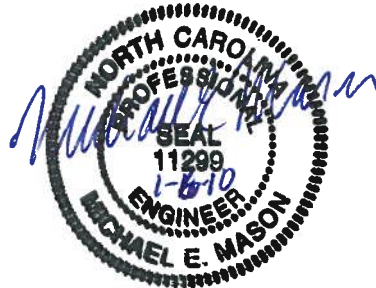
INITIAL ABATEMENT ACTION REPORT

TT-2007

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

JANUARY 6, 2010

**NAVY CONTRACT NO. N62470-05-D-6200
DELIVERY ORDER NO. 0074
CATLIN PROJECT NO. 209-112**



PREPARED BY:

**CATLIN ENGINEERS AND SCIENTISTS
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CORPORATE LICENSURE NO. FOR ENGINEERING SERVICES: C-0585

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1.0 SITE INFORMATION

1.1 SITE IDENTIFICATION

Date of Report: January 6, 2010
Facility I.D.: Not Applicable UST Incident Number (if known): Pending
Site Name: TT-2007
Site Street Address: TT-2007 Tarawa Blvd
City/Town: Camp Lejeune Zip Code: 28542 County: Onslow
Description of Geographical Data Point: Approximate former tank basin
Location Method: Marine Corps Base Camp Lejeune GIS (see Figure 1)
Latitude: 34° 44' 26.68" N Longitude: 77° 22' 43.81" 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, MCB
Address: PSC 20004 – MCB, Camp Lejeune, NC 28542-0004
Phone: 910-451-5068

Property Occupant: Currently Vacant (Demolished)
Address: Commanding Officer, MCB
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 Envirocon, Inc. (TMS)
Address: T1 Cherry Point Trailer, Bldg. 4376T – Cherry Point, NC 28533
Phone: 252-447-1700

1.3 RELEASE INFORMATION

Date Discovered: December 3, 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, 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 Quarternary 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 Frenchman's Creek and is approximately 750 feet south of the site. Frenchman's Creek is located approximately 850 feet west of the site (see Figure 3 and Table 3). Groundwater flow direction in the surficial aquifer is assumed to flow south or west toward one of the unnamed tributaries. There are no water supply wells within a 1,500 foot 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 Boulevard 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 December 3, 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 tanks 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, a mix of sandy/clayey soils around the UST revealed petroleum odor and elevated Photo Ionization Detector (PID) readings. The North Carolina Department of Environment and Natural Resources (NCDENR) Wilmington Regional Office (WiRO) 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.

One UST closure soil sample (TT-2007-B-8) was collected two (2) feet beneath the bottom of the tank at approximately eight (8) feet BLS. The TT-2007-B-8 UST closure soil sample location is illustrated on Figure 2. The soil

sample was collected from the excavator bucket by hand while wearing new, disposable gloves and placed into laboratory provided glassware, properly labeled, and placed on ice in an insulated cooler. The sample was 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 semi-volatile organics analysis per EPA Methods 8260, 8270, and Massachusetts Department of Environmental Protection (MADEP) Extractable and Volatile Petroleum Hydrocarbons (EPH and VPH). Groundwater was not encountered during UST closure activities.

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 and transported to the TMS Laydown Area (MCAS Cherry Point) 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 latterly 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 28 feet by 11 feet by eight (8) feet deep. Groundwater was not encountered during soil excavation activities. The excavation limits are illustrated on Figure 2.

5.3 CONFIRMATION SOIL SAMPLING

Undisturbed sidewall soils from approximately five (5) feet BLS were obtained from each excavation sidewall utilizing the excavator bucket. The undisturbed soils from each sidewall 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 four (4) excavation confirmation sidewall samples (TT-2007-1, TT-2007-2, TT-2007-3, and TT-2007-4) were transferred to a Pace courier following proper chain-of-custody protocol and submitted for TPH DRO and GRO analysis per EPA Method 8015, Risk-Based volatile and semi-volatile organics analysis per EPA Methods 8260, 8270, and MADEP 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 UST closure soil sample TT-2007-B-8 and soil excavation confirmation soil samples TT-2007-1, TT-2007-2, TT-2007-3, and TT-2007-4 did not reveal any detectable TPH or Risk-Based compound concentrations above the laboratory reporting limits or the lowest established Maximum Soil Contaminant Concentrations (MSCCs). 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. The MADEP EPH and VPH results are provided on Table 6.

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) feet by six (6) feet, tank with a volume of approximately 75 cubic feet (2.78 cubic yards) and an excavation measuring 28 feet by 11 feet by eight (8) feet deep (91.26 cubic yards), roughly 88.5 cubic yards or 133 tons of soil were removed during UST TT-2007 closure and excavation activities.

7.0 CONCLUSION AND RECOMMENDATIONS

A non-commercial, non-regulated 550-gallon home heating oil UST at TT-2007 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. However, laboratory analysis of a soil sample collected two (2) feet beneath the removed tank did not reveal TPH or Risk-Based contaminants of concern above the laboratory reporting or lowest established MSCCs. Groundwater was not encountered during tank removal or soil excavation activities and 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-2007 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-2007 - Pending

UST ID Number	Name of Owner or Operator	Dates of Ownership/Operation	Owner or Operator?
TT-2007	Commanding Officer Marine Corps Base Camp Lejeune, NC	Unknown to 12/3/2009	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-2007 - 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-2007	Heating Oil	Heating Oil	550	Unknown Steel	4' x 6'	Copper	Unknown	Removed - 12/3/2009	Yes (assumed)

TABLE 3

PUBLIC AND PRIVATE WATER SUPPLY WELL AND OTHER RECEPTOR INFORMATION

Incident Name and No.: TT-2007 - 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	South	Commanding Officer PSC 20004 MCB, Camp Lejeune, 28542	(910) 451-5068	None	Unknown	750
Surface Water	Frenchman's Creek	West	Commanding Officer PSC 20004 MCB, Camp Lejeune, 28542	(910) 451-5068	None	Unknown	850

TABLE 4
SUMMARY OF SOIL LABORATORY RESULTS
EPA METHOD 8015

Incident Name and No.: TT-2007 - Pending

Sample ID	Contaminant of Concern →		Gasoline Range Organics	Diesel Range Organics
	Date Collected	Sample Depth (ft. BLS)		
TT-2007-1	12/3/2009	5	<6.3	<5.8
TT-2007-2	12/3/2009	5	<6.7	<5.8
TT-2007-3	12/3/2009	5	<6.1	<5.8
TT-2007-4	12/3/2009	5	<5.1	<5.9
TT-2007-B-8	12/3/2009	8	<5.7	<5.7
NCDENR Action Level (mg/kg)			10	10

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

ft. BLS = Feet Below Land Surface

NCDENR = North Carolina Department of Environment and Natural Resources

< = Less than reporting limit

TABLE 5
SUMMARY OF SOIL LABORATORY RESULTS
EPA METHODS 8260 AND 8270

Incident Name and No.: TT-2007 - Pending

Sample ID	Contaminant of Concern →		All EPA Method 8260 Parameters	All EPA Method 8270 Parameters
	Date Collected	Sample Depth (ft. BLS)		
TT-2007-1	12/3/2009	5	BRL	BRL
TT-2007-2	12/3/2009	5	BRL	BRL
TT-2007-3	12/3/2009	5	BRL	BRL
TT-2007-4	12/3/2009	5	BRL	BRL
TT-2007-B-8	12/3/2009	8	BRL	BRL
Residential MSCC (ug/kg)			Varies	Varies
Industrial/Commercial MSCC (ug/kg)			Varies	Varies
Soil to Groundwater MSCC (ug/kg)			Varies	Varies

ft. BLS = Feet Below Land Surface

BRL = Below Reporting Limit

MSCC = Maximum Soil Contaminant Concentration

ug/kg = micrograms per kilogram

Refer to analytical report for a complete list of parameters and reporting limits.

TABLE 6
SUMMARY OF SOIL LABORATORY RESULTS
MADEP EPH AND VPH

Incident Name and No.: TT-2007 - Pending

Sample ID	Analytical Method →		MADEP EPH			MADEP VPH			MADEP EPH/VPH			
	Contaminant of Concern →		C9-C18 Aliphatics	C19-C36 Aliphatics	C11-C22 Aromatics	C5-C8 Aliphatics	C9-C12 Aliphatics	C9-C10 Aromatics	C5-C8 Aliphatics	C9-C18 Aliphatics	C19-C36 Aliphatics	C9-C22 Aromatics
	Date Collected	Sample Depth (ft. BLS)										
TT-2007-1	12/3/2009	5	<11.6	<11.6	<11.6	<9.7	<9.7	<9.7	<9.7	<21.3	<11.6	<21.3
TT-2007-2	12/3/2009	5	<11.6	<11.6	<11.6	<8.9	<8.9	<8.9	<8.9	<20.5	<11.6	<20.5
TT-2007-3	12/3/2009	5	<11.5	<11.5	<11.5	<13.3	<13.3	<13.3	<13.3	<24.8	<11.5	<24.8
TT-2007-4	12/3/2009	5	<11.7	<11.7	<11.7	<8.4	<8.4	<8.4	<8.4	<20.1	<11.7	<20.1
TT-2007-B-8	12/3/2009	8	<11.5	<11.5	<11.5	<13.7	<13.7	<13.7	<13.7	<25.2	<11.5	<25.2
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

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

ft. BLS = Feet Below Land Surface

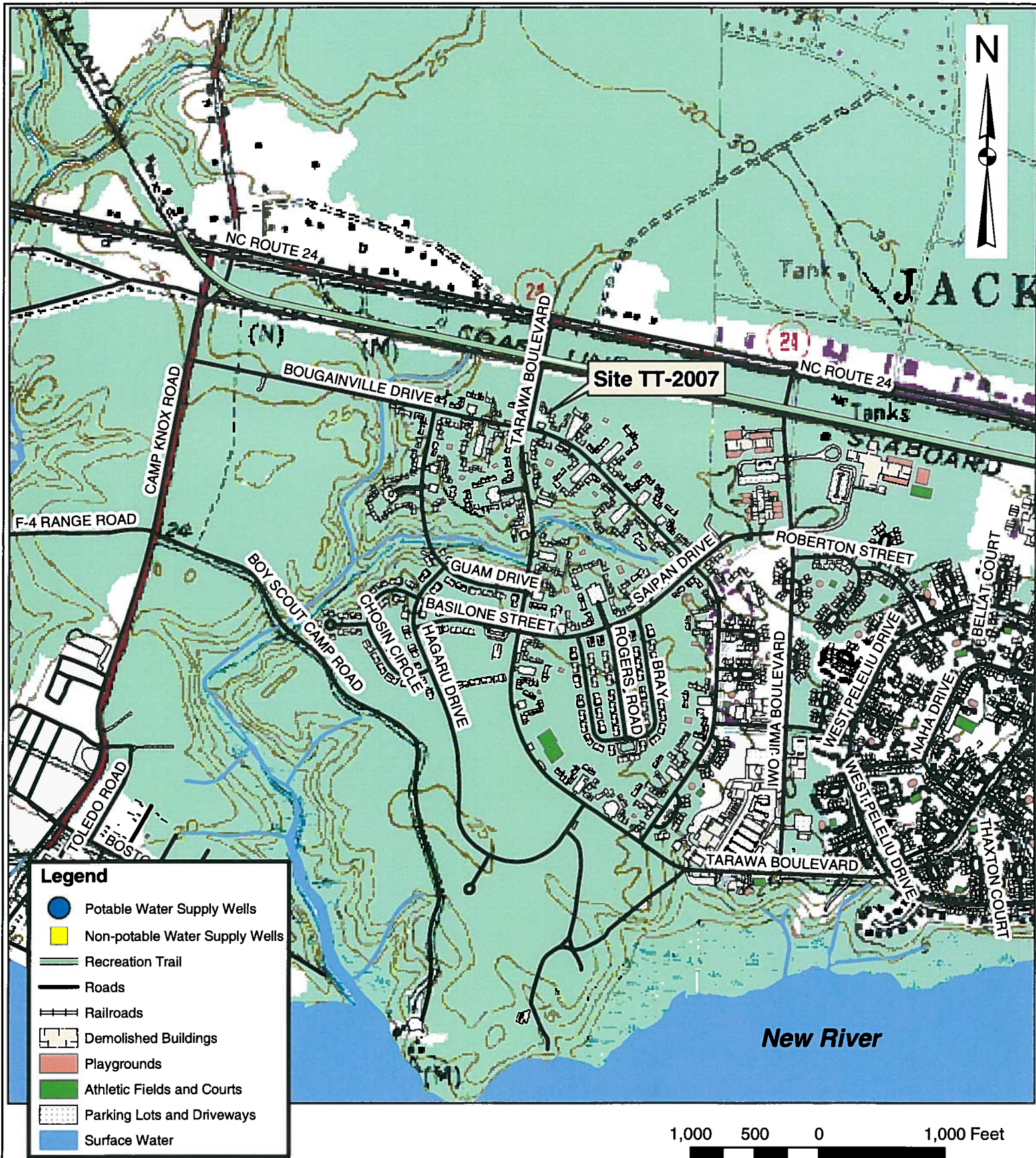
< = Less than reporting limit

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 220 Old Dairy Road Wilmington, NC 28405 Corporate Licensure No. for Engineering Services C-0585	PROJECT SITE TT-2007 IAA REPORT MARINE CORPS BASE CAMP LEJEUNE, NC		TITLE USGS TOPOGRAPHIC SITE VICINITY MAP		FIGURE
	JOB NO. 209-112	DATE JAN 2010	SCALE AS SHOWN	DRAWN BY SAC	CHECKED BY BA

SITE TT-2007 IAA REPORT MARINE CORPS BASE CAMP LEJEUNE, NC



LEGEND

	Tank Excavation Area		Demolished Buildings and Structures
	Former UST		Slabs
	Soil Sample Locations		Driveways
			Roads
			Woods

NOTES

1. Data layers provided by MCB Camp Lejeune GIS office.
2. Excavation dimensions were approximately 28 feet by 11 feet by 8 feet deep.
3. Tank location, excavation boundary and soil sample locations based on site sketch provided by TMS personnel.



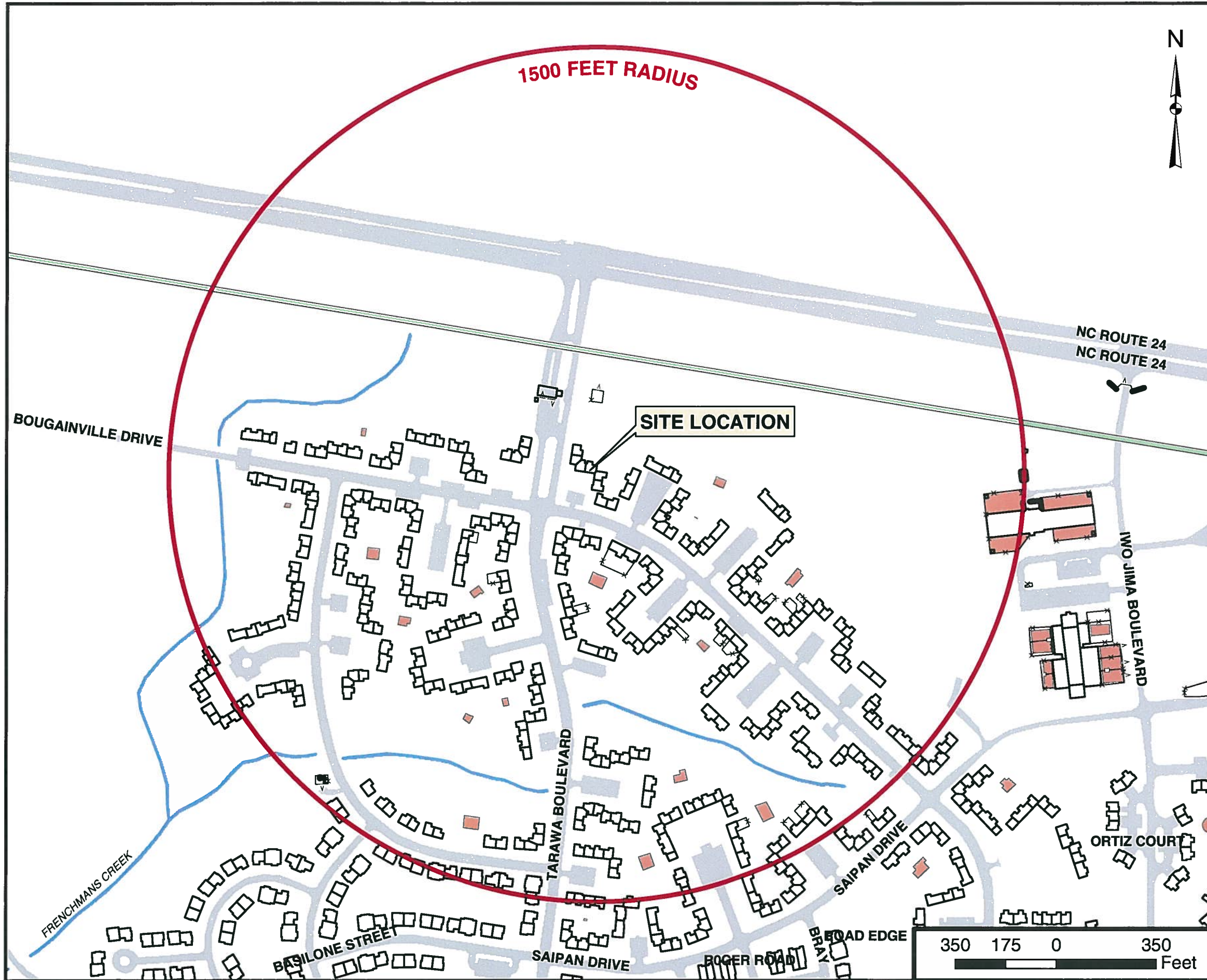
**SITE MAP WITH
SOIL SAMPLE LOCATIONS**

FIGURE

2

Job No.: 209-112	Date: JAN 2010	Scale: AS SHOWN	Drawn By: SAC	Checked By: BA
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**SITE TT-2007
IAA REPORT
MARINE CORPS BASE
CAMP LEJEUNE, NC**



LEGEND

- | | |
|--------------------------------|--------------------------|
| Water Supply Wells | Buildings and Structures |
| Non-potable Water Supply Wells | Slabs |
| Recreation Trail | Driveways |
| Playgrounds | Parking Lots |
| Athletic Fields and Courts | Roads |
| Creeks and Streams | |

NOTES

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



**SITE MAP WITH
POTENTIAL RECEPTORS**

FIGURE

3

Job No.: 209-112	Date: JAN 2010	Scale: AS SHOWN	Drawn By: SAC	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) N
Samples Taken? (Y/N) Y
Free Product? (Y/N) N If Yes, State Greatest
Thickness _____

Facility ID Number _____
Date Leak Discovered 12/1/09
Comm/Non-Commercial? _____
Reg/Non-regulated? _____

INCIDENT DESCRIPTION

Incident Name: TT-2007 Tank Removal

Address: TT-2007 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): 34 44' 26.68" N Longitude (decimal degrees): 77 22' 43.81" W

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. NFA and site closure proposed. UST-12 Report

to follow.

Obtained by:

- ☐ GPS
☐ Topographic map
☒ GIS Address matching
☐ Other
☐ Unknown

Describe location:

Former Tank Basin

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

Definitions presented on reverse

Cause of Release

(Check one to indicate primary cause)

- ☐ Spill
☐ Overfill
☐ Corrosion
☐ Physical or Mechanical Damage
☐ Install Problem
☐ Other
☒ Unknown

Definitions presented on reverse

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

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 12/22/2009

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-2007 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

ID # _____

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

Owner Name (Corporation, Individual, Public Agency, or Other Entity)
Commanding Officer Marine Corps Base

Street Address
PSC 20004

City
MCB Camp Lejeune

County
Onslow

State
NC

Zip Code
28542-0004

Phone Number
910-451-5068

II. LOCATION OF TANKS

Facility Name or Company
Tarawa Terrace Housing

Facility ID # (If known)
N/A

Street Address
~~TT 2111~~ Tarawa Terrace Blvd.

TT-2007 by SAC

City
MCB Camp Lejeune

County
Onslow

Zip Code
28542

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

Phone No:
252-447-1700

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

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
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐

V. EXCAVATION CONDITION

VI. UST INFORMATION FOR UNREGISTERED UST SYSTEMS

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	12/3/09	See Above	☐	☒	☐	☒	☒	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐

VII. EXCAVATION CONDITION

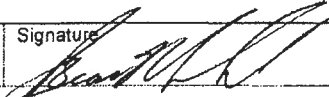
* If the tank owner address is different from the one listed in Section I., then enter the street address, city, state, zip code and telephone no. below:

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

01/06/2010

APPENDIX C

LABORATORY REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION

December 17, 2009

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

RE: Project: TT-2 Tank Yank
Pace Project No.: 9258915

Dear Rob Finley:

Enclosed are the analytical results for sample(s) received by the laboratory on December 05, 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

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CERTIFICATIONS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Ormond Beach Certification IDs

8 East Tower Circle Ormond Beach, FL 32174
Wyoming Certification: FL NELAC Reciprocity
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH 0216
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: LA090012
Maine Certification #: FL1264

Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Virginia Certification #: 00432
Texas Certification: FL NELAC Reciprocity
Tennessee Certification #: TN02974
Puerto Rico Certification #: FL01264
Pennsylvania Certification #: 68-547
North Carolina Certification #: 12710
New York Certification #: 11608
New Jersey Certification #: FL765
New Hampshire Certification #: 2958
Nevada Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074
Mississippi Certification: FL NELAC Reciprocity

Charlotte Certification IDs

West Virginia Certification #: 357
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342

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

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SAMPLE ANALYTE COUNT

Project: TT-2 Tank Yank
Pace Project No.: 9258915

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9258915001	TT-2007-1	EPA 8015 Modified	RES	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8270	EAO	72	PASI-O
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
9258915002	TT-2007-2	EPA 8015 Modified	RES	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8270	EAO	72	PASI-O
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
9258915003	TT-2007-3	EPA 8015 Modified	RES	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8270	EAO	72	PASI-O
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
9258915004	TT-2007-4	EPA 8015 Modified	RES	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8270	EAO	72	PASI-O
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
9258915005	TT-2007-B-8	EPA 8015 Modified	RES	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8270	EAO	72	PASI-O
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
9258915006	TT-2610-1	EPA 8015 Modified	RES	2	PASI-C
		MADEP EPH	CAH	7	PASI-C

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: TT-2 Tank Yank
Pace Project No.: 9258915

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9258915007	TT-2610-2	EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8270	EAO	72	PASI-O
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	RES	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8270	EAO	72	PASI-O
9258915008	TT-2610-3	EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	RES	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8270	EAO	72	PASI-O
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	RES	2	PASI-C
9258915009	TT-2610-4	MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8270	EAO	72	PASI-O
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	RES	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
9258915010	TT-2610-B-7.5	EPA 8270	EAO	72	PASI-O
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	RES	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8270	EAO	72	PASI-O
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	KDF	1	PASI-C

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9258915

Sample: TT-2007-1 Lab ID: 9258915001 Collected: 12/03/09 09:10 Received: 12/05/09 09:15 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	12/07/09 12:01	12/09/09 10:56	68334-30-5	
n-Pentacosane (S)	72 %		50-135	1	12/07/09 12:01	12/09/09 10:56	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		11.6	1	12/07/09 15:55	12/14/09 00:09		
Aliphatic (C19-C36)	ND mg/kg		11.6	1	12/07/09 15:55	12/14/09 00:09		
Aromatic (C11-C22)	ND mg/kg		11.6	1	12/07/09 15:55	12/14/09 00:09		
Nonatriacontane (S)	84 %		40-140	1	12/07/09 15:55	12/14/09 00:09	7194-86-7	
o-Terphenyl (S)	88 %		40-140	1	12/07/09 15:55	12/14/09 00:09	84-15-1	
2-Fluorobiphenyl (S)	99 %		40-140	1	12/07/09 15:55	12/14/09 00:09	321-60-8	
2-Bromonaphthalene (S)	100 %		40-140	1	12/07/09 15:55	12/14/09 00:09	580-13-2	
Gasoline Range Organics Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		6.3	1	12/10/09 04:41	12/11/09 00:53	8006-61-9	
4-Bromofluorobenzene (S)	118 %		50-135	1	12/10/09 04:41	12/11/09 00:53	460-00-4	
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		9.7	1	12/10/09 04:44	12/10/09 20:22		
Aliphatic (C09-C12)	ND mg/kg		9.7	1	12/10/09 04:44	12/10/09 20:22		
Aromatic (C09-C10)	ND mg/kg		9.7	1	12/10/09 04:44	12/10/09 20:22		
2,5-Dibromotoluene (PID)(S)	97 %		70-130	1	12/10/09 04:44	12/10/09 20:22		
2,5-Dibromotoluene (FID)(S)	85 %		70-130	1	12/10/09 04:44	12/10/09 20:22		
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
Acenaphthene	ND ug/kg		32.7	1	12/09/09 18:25	12/14/09 22:43	83-32-9	
Acenaphthylene	ND ug/kg		32.7	1	12/09/09 18:25	12/14/09 22:43	208-96-8	
Anthracene	ND ug/kg		32.7	1	12/09/09 18:25	12/14/09 22:43	120-12-7	
Benzo(a)anthracene	ND ug/kg		32.7	1	12/09/09 18:25	12/14/09 22:43	56-55-3	
Benzo(a)pyrene	ND ug/kg		32.7	1	12/09/09 18:25	12/14/09 22:43	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		32.7	1	12/09/09 18:25	12/14/09 22:43	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		32.7	1	12/09/09 18:25	12/14/09 22:43	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		32.7	1	12/09/09 18:25	12/14/09 22:43	207-08-9	
4-Bromophenylphenyl ether	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	101-55-3	
Butylbenzylphthalate	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		663	1	12/09/09 18:25	12/14/09 22:43	59-50-7	
4-Chloroaniline	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	108-60-1	
2-Chloronaphthalene	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	91-58-7	
2-Chlorophenol	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	7005-72-3	
Chrysene	ND ug/kg		32.7	1	12/09/09 18:25	12/14/09 22:43	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		32.7	1	12/09/09 18:25	12/14/09 22:43	53-70-3	
Dibenzofuran	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	132-64-9	

Date: 12/17/2009 07:26 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9258915

Sample: TT-2007-1 **Lab ID:** 9258915001 **Collected:** 12/03/09 09:10 **Received:** 12/05/09 09:15 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
1,2-Dichlorobenzene	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	106-46-7	
3,3'-Dichlorobenzidine	ND ug/kg		663	1	12/09/09 18:25	12/14/09 22:43	91-94-1	M0
2,4-Dichlorophenol	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	120-83-2	
Diethylphthalate	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	84-66-2	
2,4-Dimethylphenol	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	105-67-9	
Dimethylphthalate	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	131-11-3	
Di-n-butylphthalate	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		663	1	12/09/09 18:25	12/14/09 22:43	534-52-1	
2,4-Dinitrophenol	ND ug/kg		663	1	12/09/09 18:25	12/14/09 22:43	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	121-14-2	M0
2,6-Dinitrotoluene	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	606-20-2	
Di-n-octylphthalate	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	117-84-0	
1,2-Diphenylhydrazine	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	122-66-7	
bis(2-Ethylhexyl)phthalate	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	117-81-7	
Fluoranthene	ND ug/kg		32.7	1	12/09/09 18:25	12/14/09 22:43	206-44-0	
Fluorene	ND ug/kg		32.7	1	12/09/09 18:25	12/14/09 22:43	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	87-68-3	
Hexachlorobenzene	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		663	1	12/09/09 18:25	12/14/09 22:43	77-47-4	
Hexachloroethane	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		32.7	1	12/09/09 18:25	12/14/09 22:43	193-39-5	
Isophorone	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	78-59-1	
1-Methylnaphthalene	ND ug/kg		32.7	1	12/09/09 18:25	12/14/09 22:43	90-12-0	
2-Methylnaphthalene	ND ug/kg		32.7	1	12/09/09 18:25	12/14/09 22:43	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43		
Naphthalene	ND ug/kg		32.7	1	12/09/09 18:25	12/14/09 22:43	91-20-3	
2-Nitroaniline	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	88-74-4	
3-Nitroaniline	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	99-09-2	
4-Nitroaniline	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	100-01-6	
Nitrobenzene	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	98-95-3	
2-Nitrophenol	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	88-75-5	
4-Nitrophenol	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	100-02-7	L1,M0
N-Nitrosodimethylamine	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	86-30-6	
Pentachlorophenol	ND ug/kg		663	1	12/09/09 18:25	12/14/09 22:43	87-86-5	
Phenanthrene	ND ug/kg		32.7	1	12/09/09 18:25	12/14/09 22:43	85-01-8	
Phenol	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	108-95-2	
Pyrene	ND ug/kg		32.7	1	12/09/09 18:25	12/14/09 22:43	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		168	1	12/09/09 18:25	12/14/09 22:43	88-06-2	
Nitrobenzene-d5 (S)	69 %		10-110	1	12/09/09 18:25	12/14/09 22:43	4165-60-0	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2007-1 **Lab ID:** 9258915001 **Collected:** 12/03/09 09:10 **Received:** 12/05/09 09:15 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
2-Fluorobiphenyl (S)	72 %		18-110	1	12/09/09 18:25	12/14/09 22:43	321-60-8	
Terphenyl-d14 (S)	93 %		10-123	1	12/09/09 18:25	12/14/09 22:43	1718-51-0	
Phenol-d6 (S)	51 %		10-110	1	12/09/09 18:25	12/14/09 22:43	13127-88-3	
2-Fluorophenol (S)	53 %		18-110	1	12/09/09 18:25	12/14/09 22:43	367-12-4	
2,4,6-Tribromophenol (S)	92 %		10-110	1	12/09/09 18:25	12/14/09 22:43	118-79-6	
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Acetone	ND ug/kg		96.5	1		12/07/09 14:56	67-64-1	
Benzene	ND ug/kg		4.8	1		12/07/09 14:56	71-43-2	
Bromobenzene	ND ug/kg		4.8	1		12/07/09 14:56	108-86-1	
Bromochloromethane	ND ug/kg		4.8	1		12/07/09 14:56	74-97-5	
Bromodichloromethane	ND ug/kg		4.8	1		12/07/09 14:56	75-27-4	
Bromoform	ND ug/kg		4.8	1		12/07/09 14:56	75-25-2	
Bromomethane	ND ug/kg		9.7	1		12/07/09 14:56	74-83-9	
2-Butanone (MEK)	ND ug/kg		96.5	1		12/07/09 14:56	78-93-3	
n-Butylbenzene	ND ug/kg		4.8	1		12/07/09 14:56	104-51-8	
sec-Butylbenzene	ND ug/kg		4.8	1		12/07/09 14:56	135-98-8	
tert-Butylbenzene	ND ug/kg		4.8	1		12/07/09 14:56	98-06-6	
Carbon tetrachloride	ND ug/kg		4.8	1		12/07/09 14:56	56-23-5	
Chlorobenzene	ND ug/kg		4.8	1		12/07/09 14:56	108-90-7	
Chloroethane	ND ug/kg		9.7	1		12/07/09 14:56	75-00-3	
Chloroform	ND ug/kg		4.8	1		12/07/09 14:56	67-66-3	
Chloromethane	ND ug/kg		9.7	1		12/07/09 14:56	74-87-3	
2-Chlorotoluene	ND ug/kg		4.8	1		12/07/09 14:56	95-49-8	
4-Chlorotoluene	ND ug/kg		4.8	1		12/07/09 14:56	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		4.8	1		12/07/09 14:56	96-12-8	
Dibromochloromethane	ND ug/kg		4.8	1		12/07/09 14:56	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.8	1		12/07/09 14:56	106-93-4	
Dibromomethane	ND ug/kg		4.8	1		12/07/09 14:56	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		4.8	1		12/07/09 14:56	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		4.8	1		12/07/09 14:56	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		4.8	1		12/07/09 14:56	106-46-7	
Dichlorodifluoromethane	ND ug/kg		9.7	1		12/07/09 14:56	75-71-8	
1,1-Dichloroethane	ND ug/kg		4.8	1		12/07/09 14:56	75-34-3	
1,2-Dichloroethane	ND ug/kg		4.8	1		12/07/09 14:56	107-06-2	
1,1-Dichloroethene	ND ug/kg		4.8	1		12/07/09 14:56	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		4.8	1		12/07/09 14:56	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		4.8	1		12/07/09 14:56	156-60-5	
1,2-Dichloropropane	ND ug/kg		4.8	1		12/07/09 14:56	78-87-5	
1,3-Dichloropropane	ND ug/kg		4.8	1		12/07/09 14:56	142-28-9	
2,2-Dichloropropane	ND ug/kg		4.8	1		12/07/09 14:56	594-20-7	
1,1-Dichloropropene	ND ug/kg		4.8	1		12/07/09 14:56	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		4.8	1		12/07/09 14:56	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		4.8	1		12/07/09 14:56	10061-02-6	
Diisopropyl ether	ND ug/kg		4.8	1		12/07/09 14:56	108-20-3	
Ethylbenzene	ND ug/kg		4.8	1		12/07/09 14:56	100-41-4	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2007-1 Lab ID: 9258915001 Collected: 12/03/09 09:10 Received: 12/05/09 09:15 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						
Hexachloro-1,3-butadiene	ND	ug/kg	4.8	1		12/07/09 14:56	87-68-3	
2-Hexanone	ND	ug/kg	48.3	1		12/07/09 14:56	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.8	1		12/07/09 14:56	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.8	1		12/07/09 14:56	99-87-6	
Methylene Chloride	ND	ug/kg	19.3	1		12/07/09 14:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	48.3	1		12/07/09 14:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.8	1		12/07/09 14:56	1634-04-4	
Naphthalene	ND	ug/kg	4.8	1		12/07/09 14:56	91-20-3	
n-Propylbenzene	ND	ug/kg	4.8	1		12/07/09 14:56	103-65-1	
Styrene	ND	ug/kg	4.8	1		12/07/09 14:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.8	1		12/07/09 14:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	1		12/07/09 14:56	79-34-5	
Tetrachloroethene	ND	ug/kg	4.8	1		12/07/09 14:56	127-18-4	
Toluene	ND	ug/kg	4.8	1		12/07/09 14:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	1		12/07/09 14:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	1		12/07/09 14:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.8	1		12/07/09 14:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.8	1		12/07/09 14:56	79-00-5	
Trichloroethene	ND	ug/kg	4.8	1		12/07/09 14:56	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.8	1		12/07/09 14:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.8	1		12/07/09 14:56	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.8	1		12/07/09 14:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.8	1		12/07/09 14:56	108-67-8	
Vinyl acetate	ND	ug/kg	48.3	1		12/07/09 14:56	108-05-4	
Vinyl chloride	ND	ug/kg	9.7	1		12/07/09 14:56	75-01-4	
Xylene (Total)	ND	ug/kg	9.7	1		12/07/09 14:56	1330-20-7	
m&p-Xylene	ND	ug/kg	9.7	1		12/07/09 14:56	1330-20-7	
o-Xylene	ND	ug/kg	4.8	1		12/07/09 14:56	95-47-6	
Dibromofluoromethane (S)	105 %		79-116	1		12/07/09 14:56	1868-53-7	
Toluene-d8 (S)	101 %		88-110	1		12/07/09 14:56	2037-26-5	
4-Bromofluorobenzene (S)	96 %		74-115	1		12/07/09 14:56	460-00-4	
1,2-Dichloroethane-d4 (S)	118 %		69-121	1		12/07/09 14:56	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	14.1 %	0.10	1	12/08/09 08:54
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2007-2 Lab ID: 9258915002 Collected: 12/03/09 08:50 Received: 12/05/09 09:15 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	12/07/09 12:01	12/09/09 10:56	68334-30-5	
n-Pentacosane (S)	73 %		50-135	1	12/07/09 12:01	12/09/09 10:56	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		11.6	1	12/07/09 15:55	12/14/09 00:42		
Aliphatic (C19-C36)	ND mg/kg		11.6	1	12/07/09 15:55	12/14/09 00:42		
Aromatic (C11-C22)	ND mg/kg		11.6	1	12/07/09 15:55	12/14/09 00:42		
Nonatriacontane (S)	83 %		40-140	1	12/07/09 15:55	12/14/09 00:42	7194-86-7	
o-Terphenyl (S)	90 %		40-140	1	12/07/09 15:55	12/14/09 00:42	84-15-1	
2-Fluorobiphenyl (S)	107 %		40-140	1	12/07/09 15:55	12/14/09 00:42	321-60-8	
2-Bromonaphthalene (S)	108 %		40-140	1	12/07/09 15:55	12/14/09 00:42	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	12/10/09 04:41	12/11/09 01:18	8006-61-9	
4-Bromofluorobenzene (S)	131 %		50-135	1	12/10/09 04:41	12/11/09 01:18	460-00-4	
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		8.9	1	12/10/09 04:44	12/10/09 20:47		
Aliphatic (C09-C12)	ND mg/kg		8.9	1	12/10/09 04:44	12/10/09 20:47		
Aromatic (C09-C10)	ND mg/kg		8.9	1	12/10/09 04:44	12/10/09 20:47		
2,5-Dibromotoluene (PID)(S)	126 %		70-130	1	12/10/09 04:44	12/10/09 20:47		
2,5-Dibromotoluene (FID)(S)	115 %		70-130	1	12/10/09 04:44	12/10/09 20:47		
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
Acenaphthene	ND ug/kg		33.3	1	12/09/09 18:25	12/14/09 23:09	83-32-9	
Acenaphthylene	ND ug/kg		33.3	1	12/09/09 18:25	12/14/09 23:09	208-96-8	
Anthracene	ND ug/kg		33.3	1	12/09/09 18:25	12/14/09 23:09	120-12-7	
Benzo(a)anthracene	ND ug/kg		33.3	1	12/09/09 18:25	12/14/09 23:09	56-55-3	
Benzo(a)pyrene	ND ug/kg		33.3	1	12/09/09 18:25	12/14/09 23:09	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		33.3	1	12/09/09 18:25	12/14/09 23:09	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		33.3	1	12/09/09 18:25	12/14/09 23:09	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		33.3	1	12/09/09 18:25	12/14/09 23:09	207-08-9	
4-Bromophenylphenyl ether	ND ug/kg		172	1	12/09/09 18:25	12/14/09 23:09	101-55-3	
Butylbenzylphthalate	ND ug/kg		172	1	12/09/09 18:25	12/14/09 23:09	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		677	1	12/09/09 18:25	12/14/09 23:09	59-50-7	
4-Chloroaniline	ND ug/kg		172	1	12/09/09 18:25	12/14/09 23:09	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		172	1	12/09/09 18:25	12/14/09 23:09	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		172	1	12/09/09 18:25	12/14/09 23:09	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		172	1	12/09/09 18:25	12/14/09 23:09	108-60-1	
2-Chloronaphthalene	ND ug/kg		172	1	12/09/09 18:25	12/14/09 23:09	91-58-7	
2-Chlorophenol	ND ug/kg		172	1	12/09/09 18:25	12/14/09 23:09	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		172	1	12/09/09 18:25	12/14/09 23:09	7005-72-3	
Chrysene	ND ug/kg		33.3	1	12/09/09 18:25	12/14/09 23:09	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		33.3	1	12/09/09 18:25	12/14/09 23:09	53-70-3	
Dibenzofuran	ND ug/kg		172	1	12/09/09 18:25	12/14/09 23:09	132-64-9	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2007-2 Lab ID: 9258915002 Collected: 12/03/09 08:50 Received: 12/05/09 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
1,2-Dichlorobenzene	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	677	1	12/09/09 18:25	12/14/09 23:09	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	120-83-2	
Diethylphthalate	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	105-67-9	
Dimethylphthalate	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	131-11-3	
Di-n-butylphthalate	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	677	1	12/09/09 18:25	12/14/09 23:09	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	677	1	12/09/09 18:25	12/14/09 23:09	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	606-20-2	
Di-n-octylphthalate	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	117-84-0	
1,2-Diphenylhydrazine	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	117-81-7	
Fluoranthene	ND	ug/kg	33.3	1	12/09/09 18:25	12/14/09 23:09	206-44-0	
Fluorene	ND	ug/kg	33.3	1	12/09/09 18:25	12/14/09 23:09	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	87-68-3	
Hexachlorobenzene	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	677	1	12/09/09 18:25	12/14/09 23:09	77-47-4	
Hexachloroethane	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	33.3	1	12/09/09 18:25	12/14/09 23:09	193-39-5	
Isophorone	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	78-59-1	
1-Methylnaphthalene	ND	ug/kg	33.3	1	12/09/09 18:25	12/14/09 23:09	90-12-0	
2-Methylnaphthalene	ND	ug/kg	33.3	1	12/09/09 18:25	12/14/09 23:09	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09		
Naphthalene	ND	ug/kg	33.3	1	12/09/09 18:25	12/14/09 23:09	91-20-3	
2-Nitroaniline	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	88-74-4	
3-Nitroaniline	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	99-09-2	
4-Nitroaniline	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	100-01-6	
Nitrobenzene	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	98-95-3	
2-Nitrophenol	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	88-75-5	
4-Nitrophenol	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	100-02-7	L1
N-Nitrosodimethylamine	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	86-30-6	
Pentachlorophenol	ND	ug/kg	677	1	12/09/09 18:25	12/14/09 23:09	87-86-5	
Phenanthrene	ND	ug/kg	33.3	1	12/09/09 18:25	12/14/09 23:09	85-01-8	
Phenol	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	108-95-2	
Pyrene	ND	ug/kg	33.3	1	12/09/09 18:25	12/14/09 23:09	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	172	1	12/09/09 18:25	12/14/09 23:09	88-06-2	
Nitrobenzene-d5 (S)	63 %		10-110	1	12/09/09 18:25	12/14/09 23:09	4165-60-0	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2007-2 Lab ID: 9258915002 Collected: 12/03/09 08:50 Received: 12/05/09 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
2-Fluorobiphenyl (S)	72 %		18-110	1	12/09/09 18:25	12/14/09 23:09	321-60-8	
Terphenyl-d14 (S)	88 %		10-123	1	12/09/09 18:25	12/14/09 23:09	1718-51-0	
Phenol-d6 (S)	54 %		10-110	1	12/09/09 18:25	12/14/09 23:09	13127-88-3	
2-Fluorophenol (S)	53 %		18-110	1	12/09/09 18:25	12/14/09 23:09	367-12-4	
2,4,6-Tribromophenol (S)	93 %		10-110	1	12/09/09 18:25	12/14/09 23:09	118-79-6	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Acetone	ND ug/kg		81.8	1		12/07/09 15:15	67-64-1	
Benzene	ND ug/kg		4.1	1		12/07/09 15:15	71-43-2	
Bromobenzene	ND ug/kg		4.1	1		12/07/09 15:15	108-86-1	
Bromochloromethane	ND ug/kg		4.1	1		12/07/09 15:15	74-97-5	
Bromodichloromethane	ND ug/kg		4.1	1		12/07/09 15:15	75-27-4	
Bromoform	ND ug/kg		4.1	1		12/07/09 15:15	75-25-2	
Bromomethane	ND ug/kg		8.2	1		12/07/09 15:15	74-83-9	
2-Butanone (MEK)	ND ug/kg		81.8	1		12/07/09 15:15	78-93-3	
n-Butylbenzene	ND ug/kg		4.1	1		12/07/09 15:15	104-51-8	
sec-Butylbenzene	ND ug/kg		4.1	1		12/07/09 15:15	135-98-8	
tert-Butylbenzene	ND ug/kg		4.1	1		12/07/09 15:15	98-06-6	
Carbon tetrachloride	ND ug/kg		4.1	1		12/07/09 15:15	56-23-5	
Chlorobenzene	ND ug/kg		4.1	1		12/07/09 15:15	108-90-7	
Chloroethane	ND ug/kg		8.2	1		12/07/09 15:15	75-00-3	
Chloroform	ND ug/kg		4.1	1		12/07/09 15:15	67-66-3	
Chloromethane	ND ug/kg		8.2	1		12/07/09 15:15	74-87-3	
2-Chlorotoluene	ND ug/kg		4.1	1		12/07/09 15:15	95-49-8	
4-Chlorotoluene	ND ug/kg		4.1	1		12/07/09 15:15	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		4.1	1		12/07/09 15:15	96-12-8	
Dibromochloromethane	ND ug/kg		4.1	1		12/07/09 15:15	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.1	1		12/07/09 15:15	106-93-4	
Dibromomethane	ND ug/kg		4.1	1		12/07/09 15:15	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		4.1	1		12/07/09 15:15	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		4.1	1		12/07/09 15:15	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		4.1	1		12/07/09 15:15	106-46-7	
Dichlorodifluoromethane	ND ug/kg		8.2	1		12/07/09 15:15	75-71-8	
1,1-Dichloroethane	ND ug/kg		4.1	1		12/07/09 15:15	75-34-3	
1,2-Dichloroethane	ND ug/kg		4.1	1		12/07/09 15:15	107-06-2	
1,1-Dichloroethene	ND ug/kg		4.1	1		12/07/09 15:15	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		4.1	1		12/07/09 15:15	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		4.1	1		12/07/09 15:15	156-60-5	
1,2-Dichloropropane	ND ug/kg		4.1	1		12/07/09 15:15	78-87-5	
1,3-Dichloropropane	ND ug/kg		4.1	1		12/07/09 15:15	142-28-9	
2,2-Dichloropropane	ND ug/kg		4.1	1		12/07/09 15:15	594-20-7	
1,1-Dichloropropene	ND ug/kg		4.1	1		12/07/09 15:15	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		4.1	1		12/07/09 15:15	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		4.1	1		12/07/09 15:15	10061-02-6	
Diisopropyl ether	ND ug/kg		4.1	1		12/07/09 15:15	108-20-3	
Ethylbenzene	ND ug/kg		4.1	1		12/07/09 15:15	100-41-4	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2007-2 Lab ID: 9258915002 Collected: 12/03/09 08:50 Received: 12/05/09 09:15 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						
Hexachloro-1,3-butadiene	ND	ug/kg	4.1	1		12/07/09 15:15	87-68-3	
2-Hexanone	ND	ug/kg	40.9	1		12/07/09 15:15	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.1	1		12/07/09 15:15	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.1	1		12/07/09 15:15	99-87-6	
Methylene Chloride	ND	ug/kg	16.4	1		12/07/09 15:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	40.9	1		12/07/09 15:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.1	1		12/07/09 15:15	1634-04-4	
Naphthalene	ND	ug/kg	4.1	1		12/07/09 15:15	91-20-3	
n-Propylbenzene	ND	ug/kg	4.1	1		12/07/09 15:15	103-65-1	
Styrene	ND	ug/kg	4.1	1		12/07/09 15:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.1	1		12/07/09 15:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.1	1		12/07/09 15:15	79-34-5	
Tetrachloroethene	ND	ug/kg	4.1	1		12/07/09 15:15	127-18-4	
Toluene	ND	ug/kg	4.1	1		12/07/09 15:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.1	1		12/07/09 15:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.1	1		12/07/09 15:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.1	1		12/07/09 15:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.1	1		12/07/09 15:15	79-00-5	
Trichloroethene	ND	ug/kg	4.1	1		12/07/09 15:15	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.1	1		12/07/09 15:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.1	1		12/07/09 15:15	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.1	1		12/07/09 15:15	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.1	1		12/07/09 15:15	108-67-8	
Vinyl acetate	ND	ug/kg	40.9	1		12/07/09 15:15	108-05-4	
Vinyl chloride	ND	ug/kg	8.2	1		12/07/09 15:15	75-01-4	
Xylene (Total)	ND	ug/kg	8.2	1		12/07/09 15:15	1330-20-7	
m&p-Xylene	ND	ug/kg	8.2	1		12/07/09 15:15	1330-20-7	
o-Xylene	ND	ug/kg	4.1	1		12/07/09 15:15	95-47-6	
Dibromofluoromethane (S)	103	%	79-116	1		12/07/09 15:15	1868-53-7	
Toluene-d8 (S)	101	%	88-110	1		12/07/09 15:15	2037-26-5	
4-Bromofluorobenzene (S)	96	%	74-115	1		12/07/09 15:15	460-00-4	
1,2-Dichloroethane-d4 (S)	115	%	69-121	1		12/07/09 15:15	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	14.2 %	0.10	1	12/08/09 08:54
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2007-3 Lab ID: 9258915003 Collected: 12/03/09 08:40 Received: 12/05/09 09:15 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	12/07/09 12:01	12/09/09 11:25	68334-30-5	
n-Pentacosane (S)	58 %		50-135	1	12/07/09 12:01	12/09/09 11:25	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		11.5	1	12/07/09 15:55	12/14/09 01:16		
Aliphatic (C19-C36)	ND mg/kg		11.5	1	12/07/09 15:55	12/14/09 01:16		
Aromatic (C11-C22)	ND mg/kg		11.5	1	12/07/09 15:55	12/14/09 01:16		
Nonatriacontane (S)	81 %		40-140	1	12/07/09 15:55	12/14/09 01:16	7194-86-7	
o-Terphenyl (S)	101 %		40-140	1	12/07/09 15:55	12/14/09 01:16	84-15-1	
2-Fluorobiphenyl (S)	114 %		40-140	1	12/07/09 15:55	12/14/09 01:16	321-60-8	
2-Bromonaphthalene (S)	113 %		40-140	1	12/07/09 15:55	12/14/09 01:16	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	12/10/09 04:41	12/11/09 01:42	8006-61-9	
4-Bromofluorobenzene (S)	78 %		50-135	1	12/10/09 04:41	12/11/09 01:42	460-00-4	
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		13.3	1	12/10/09 04:44	12/10/09 21:11		
Aliphatic (C09-C12)	ND mg/kg		13.3	1	12/10/09 04:44	12/10/09 21:11		
Aromatic (C09-C10)	ND mg/kg		13.3	1	12/10/09 04:44	12/10/09 21:11		
2,5-Dibromotoluene (PID)(S)	122 %		70-130	1	12/10/09 04:44	12/10/09 21:11		
2,5-Dibromotoluene (FID)(S)	109 %		70-130	1	12/10/09 04:44	12/10/09 21:11		
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
Acenaphthene	ND ug/kg		32.8	1	12/09/09 18:25	12/14/09 23:35	83-32-9	
Acenaphthylene	ND ug/kg		32.8	1	12/09/09 18:25	12/14/09 23:35	208-96-8	
Anthracene	ND ug/kg		32.8	1	12/09/09 18:25	12/14/09 23:35	120-12-7	
Benzo(a)anthracene	ND ug/kg		32.8	1	12/09/09 18:25	12/14/09 23:35	56-55-3	
Benzo(a)pyrene	ND ug/kg		32.8	1	12/09/09 18:25	12/14/09 23:35	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		32.8	1	12/09/09 18:25	12/14/09 23:35	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		32.8	1	12/09/09 18:25	12/14/09 23:35	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		32.8	1	12/09/09 18:25	12/14/09 23:35	207-08-9	
4-Bromophenylphenyl ether	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	101-55-3	
Butylbenzylphthalate	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		666	1	12/09/09 18:25	12/14/09 23:35	59-50-7	
4-Chloroaniline	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	108-60-1	
2-Chloronaphthalene	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	91-58-7	
2-Chlorophenol	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	7005-72-3	
Chrysene	ND ug/kg		32.8	1	12/09/09 18:25	12/14/09 23:35	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		32.8	1	12/09/09 18:25	12/14/09 23:35	53-70-3	
Dibenzofuran	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	132-64-9	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2007-3 Lab ID: 9258915003 Collected: 12/03/09 08:40 Received: 12/05/09 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
1,2-Dichlorobenzene	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	106-46-7	
3,3'-Dichlorobenzidine	ND ug/kg		666	1	12/09/09 18:25	12/14/09 23:35	91-94-1	
2,4-Dichlorophenol	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	120-83-2	
Diethylphthalate	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	84-66-2	
2,4-Dimethylphenol	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	105-67-9	
Dimethylphthalate	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	131-11-3	
Di-n-butylphthalate	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		666	1	12/09/09 18:25	12/14/09 23:35	534-52-1	
2,4-Dinitrophenol	ND ug/kg		666	1	12/09/09 18:25	12/14/09 23:35	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	606-20-2	
Di-n-octylphthalate	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	117-84-0	
1,2-Diphenylhydrazine	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	122-66-7	
bis(2-Ethylhexyl)phthalate	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	117-81-7	
Fluoranthene	ND ug/kg		32.8	1	12/09/09 18:25	12/14/09 23:35	206-44-0	
Fluorene	ND ug/kg		32.8	1	12/09/09 18:25	12/14/09 23:35	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	87-68-3	
Hexachlorobenzene	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		666	1	12/09/09 18:25	12/14/09 23:35	77-47-4	
Hexachloroethane	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		32.8	1	12/09/09 18:25	12/14/09 23:35	193-39-5	
Isophorone	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	78-59-1	
1-Methylnaphthalene	ND ug/kg		32.8	1	12/09/09 18:25	12/14/09 23:35	90-12-0	
2-Methylnaphthalene	ND ug/kg		32.8	1	12/09/09 18:25	12/14/09 23:35	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35		
Naphthalene	ND ug/kg		32.8	1	12/09/09 18:25	12/14/09 23:35	91-20-3	
2-Nitroaniline	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	88-74-4	
3-Nitroaniline	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	99-09-2	
4-Nitroaniline	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	100-01-6	
Nitrobenzene	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	98-95-3	
2-Nitrophenol	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	88-75-5	
4-Nitrophenol	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	100-02-7	L1
N-Nitrosodimethylamine	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	86-30-6	
Pentachlorophenol	ND ug/kg		666	1	12/09/09 18:25	12/14/09 23:35	87-86-5	
Phenanthrene	ND ug/kg		32.8	1	12/09/09 18:25	12/14/09 23:35	85-01-8	
Phenol	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	108-95-2	
Pyrene	ND ug/kg		32.8	1	12/09/09 18:25	12/14/09 23:35	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		169	1	12/09/09 18:25	12/14/09 23:35	88-06-2	
Nitrobenzene-d5 (S)	72 %		10-110	1	12/09/09 18:25	12/14/09 23:35	4165-60-0	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2007-3 Lab ID: 9258915003 Collected: 12/03/09 08:40 Received: 12/05/09 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
2-Fluorobiphenyl (S)	75 %		18-110	1	12/09/09 18:25	12/14/09 23:35	321-60-8	
Terphenyl-d14 (S)	93 %		10-123	1	12/09/09 18:25	12/14/09 23:35	1718-51-0	
Phenol-d6 (S)	59 %		10-110	1	12/09/09 18:25	12/14/09 23:35	13127-88-3	
2-Fluorophenol (S)	62 %		18-110	1	12/09/09 18:25	12/14/09 23:35	367-12-4	
2,4,6-Tribromophenol (S)	91 %		10-110	1	12/09/09 18:25	12/14/09 23:35	118-79-6	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Acetone	ND ug/kg		124	1		12/07/09 15:33	67-64-1	
Benzene	ND ug/kg		6.2	1		12/07/09 15:33	71-43-2	
Bromobenzene	ND ug/kg		6.2	1		12/07/09 15:33	108-86-1	
Bromochloromethane	ND ug/kg		6.2	1		12/07/09 15:33	74-97-5	
Bromodichloromethane	ND ug/kg		6.2	1		12/07/09 15:33	75-27-4	
Bromoform	ND ug/kg		6.2	1		12/07/09 15:33	75-25-2	
Bromomethane	ND ug/kg		12.4	1		12/07/09 15:33	74-83-9	
2-Butanone (MEK)	ND ug/kg		124	1		12/07/09 15:33	78-93-3	
n-Butylbenzene	ND ug/kg		6.2	1		12/07/09 15:33	104-51-8	
sec-Butylbenzene	ND ug/kg		6.2	1		12/07/09 15:33	135-98-8	
tert-Butylbenzene	ND ug/kg		6.2	1		12/07/09 15:33	98-06-6	
Carbon tetrachloride	ND ug/kg		6.2	1		12/07/09 15:33	56-23-5	
Chlorobenzene	ND ug/kg		6.2	1		12/07/09 15:33	108-90-7	
Chloroethane	ND ug/kg		12.4	1		12/07/09 15:33	75-00-3	
Chloroform	ND ug/kg		6.2	1		12/07/09 15:33	67-66-3	
Chloromethane	ND ug/kg		12.4	1		12/07/09 15:33	74-87-3	
2-Chlorotoluene	ND ug/kg		6.2	1		12/07/09 15:33	95-49-8	
4-Chlorotoluene	ND ug/kg		6.2	1		12/07/09 15:33	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		6.2	1		12/07/09 15:33	96-12-8	
Dibromochloromethane	ND ug/kg		6.2	1		12/07/09 15:33	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		6.2	1		12/07/09 15:33	106-93-4	
Dibromomethane	ND ug/kg		6.2	1		12/07/09 15:33	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		6.2	1		12/07/09 15:33	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		6.2	1		12/07/09 15:33	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		6.2	1		12/07/09 15:33	106-46-7	
Dichlorodifluoromethane	ND ug/kg		12.4	1		12/07/09 15:33	75-71-8	
1,1-Dichloroethane	ND ug/kg		6.2	1		12/07/09 15:33	75-34-3	
1,2-Dichloroethane	ND ug/kg		6.2	1		12/07/09 15:33	107-06-2	
1,1-Dichloroethene	ND ug/kg		6.2	1		12/07/09 15:33	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		6.2	1		12/07/09 15:33	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		6.2	1		12/07/09 15:33	156-60-5	
1,2-Dichloropropane	ND ug/kg		6.2	1		12/07/09 15:33	78-87-5	
1,3-Dichloropropane	ND ug/kg		6.2	1		12/07/09 15:33	142-28-9	
2,2-Dichloropropane	ND ug/kg		6.2	1		12/07/09 15:33	594-20-7	
1,1-Dichloropropene	ND ug/kg		6.2	1		12/07/09 15:33	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		6.2	1		12/07/09 15:33	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		6.2	1		12/07/09 15:33	10061-02-6	
Diisopropyl ether	ND ug/kg		6.2	1		12/07/09 15:33	108-20-3	
Ethylbenzene	ND ug/kg		6.2	1		12/07/09 15:33	100-41-4	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2007-3 Lab ID: 9258915003 Collected: 12/03/09 08:40 Received: 12/05/09 09:15 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						
Hexachloro-1,3-butadiene	ND	ug/kg	6.2	1		12/07/09 15:33	87-68-3	
2-Hexanone	ND	ug/kg	62.1	1		12/07/09 15:33	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.2	1		12/07/09 15:33	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.2	1		12/07/09 15:33	99-87-6	
Methylene Chloride	ND	ug/kg	24.8	1		12/07/09 15:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	62.1	1		12/07/09 15:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.2	1		12/07/09 15:33	1634-04-4	
Naphthalene	ND	ug/kg	6.2	1		12/07/09 15:33	91-20-3	
n-Propylbenzene	ND	ug/kg	6.2	1		12/07/09 15:33	103-65-1	
Styrene	ND	ug/kg	6.2	1		12/07/09 15:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.2	1		12/07/09 15:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.2	1		12/07/09 15:33	79-34-5	
Tetrachloroethene	ND	ug/kg	6.2	1		12/07/09 15:33	127-18-4	
Toluene	ND	ug/kg	6.2	1		12/07/09 15:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.2	1		12/07/09 15:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.2	1		12/07/09 15:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.2	1		12/07/09 15:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.2	1		12/07/09 15:33	79-00-5	
Trichloroethene	ND	ug/kg	6.2	1		12/07/09 15:33	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.2	1		12/07/09 15:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.2	1		12/07/09 15:33	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.2	1		12/07/09 15:33	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.2	1		12/07/09 15:33	108-67-8	
Vinyl acetate	ND	ug/kg	62.1	1		12/07/09 15:33	108-05-4	
Vinyl chloride	ND	ug/kg	12.4	1		12/07/09 15:33	75-01-4	
Xylene (Total)	ND	ug/kg	12.4	1		12/07/09 15:33	1330-20-7	
m&p-Xylene	ND	ug/kg	12.4	1		12/07/09 15:33	1330-20-7	
o-Xylene	ND	ug/kg	6.2	1		12/07/09 15:33	95-47-6	
Dibromofluoromethane (S)	109 %		79-116	1		12/07/09 15:33	1868-53-7	
Toluene-d8 (S)	101 %		88-110	1		12/07/09 15:33	2037-26-5	
4-Bromofluorobenzene (S)	97 %		74-115	1		12/07/09 15:33	460-00-4	
1,2-Dichloroethane-d4 (S)	128 %		69-121	1		12/07/09 15:33	17060-07-0	S3

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	13.3 %	0.10	1	12/08/09 08:54
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2007-4 **Lab ID:** 9258915004 **Collected:** 12/03/09 08:55 **Received:** 12/05/09 09:15 **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	12/07/09 12:01	12/09/09 11:25	68334-30-5	
n-Pentacosane (S)	82 %		50-135	1	12/07/09 12:01	12/09/09 11:25	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		11.7	1	12/07/09 15:55	12/14/09 01:49		
Aliphatic (C19-C36)	ND mg/kg		11.7	1	12/07/09 15:55	12/14/09 01:49		
Aromatic (C11-C22)	ND mg/kg		11.7	1	12/07/09 15:55	12/14/09 01:49		
Nonatriacontane (S)	66 %		40-140	1	12/07/09 15:55	12/14/09 01:49	7194-86-7	
o-Terphenyl (S)	92 %		40-140	1	12/07/09 15:55	12/14/09 01:49	84-15-1	
2-Fluorobiphenyl (S)	110 %		40-140	1	12/07/09 15:55	12/14/09 01:49	321-60-8	
2-Bromonaphthalene (S)	111 %		40-140	1	12/07/09 15:55	12/14/09 01:49	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	12/10/09 04:41	12/11/09 02:06	8006-61-9	
4-Bromofluorobenzene (S)	137 %		50-135	1	12/10/09 04:41	12/11/09 02:06	460-00-4	S3
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		8.4	1	12/10/09 04:44	12/10/09 21:36		
Aliphatic (C09-C12)	ND mg/kg		8.4	1	12/10/09 04:44	12/10/09 21:36		
Aromatic (C09-C10)	ND mg/kg		8.4	1	12/10/09 04:44	12/10/09 21:36		
2,5-Dibromotoluene (PID)(S)	110 %		70-130	1	12/10/09 04:44	12/10/09 21:36		
2,5-Dibromotoluene (FID)(S)	95 %		70-130	1	12/10/09 04:44	12/10/09 21:36		
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
Acenaphthene	ND ug/kg		32.9	1	12/09/09 18:25	12/14/09 00:01	83-32-9	
Acenaphthylene	ND ug/kg		32.9	1	12/09/09 18:25	12/14/09 00:01	208-96-8	
Anthracene	ND ug/kg		32.9	1	12/09/09 18:25	12/14/09 00:01	120-12-7	
Benzo(a)anthracene	ND ug/kg		32.9	1	12/09/09 18:25	12/14/09 00:01	56-55-3	
Benzo(a)pyrene	ND ug/kg		32.9	1	12/09/09 18:25	12/14/09 00:01	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		32.9	1	12/09/09 18:25	12/14/09 00:01	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		32.9	1	12/09/09 18:25	12/14/09 00:01	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		32.9	1	12/09/09 18:25	12/14/09 00:01	207-08-9	
4-Bromophenylphenyl ether	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	101-55-3	
Butylbenzylphthalate	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		668	1	12/09/09 18:25	12/14/09 00:01	59-50-7	
4-Chloroaniline	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	108-60-1	
2-Chloronaphthalene	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	91-58-7	
2-Chlorophenol	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	7005-72-3	
Chrysene	ND ug/kg		32.9	1	12/09/09 18:25	12/14/09 00:01	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		32.9	1	12/09/09 18:25	12/14/09 00:01	53-70-3	
Dibenzofuran	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	132-64-9	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2007-4 Lab ID: 9258915004 Collected: 12/03/09 08:55 Received: 12/05/09 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
1,2-Dichlorobenzene	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	106-46-7	
3,3'-Dichlorobenzidine	ND ug/kg		668	1	12/09/09 18:25	12/14/09 00:01	91-94-1	
2,4-Dichlorophenol	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	120-83-2	
Diethylphthalate	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	84-66-2	
2,4-Dimethylphenol	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	105-67-9	
Dimethylphthalate	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	131-11-3	
Di-n-butylphthalate	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		668	1	12/09/09 18:25	12/14/09 00:01	534-52-1	
2,4-Dinitrophenol	ND ug/kg		668	1	12/09/09 18:25	12/14/09 00:01	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	606-20-2	
Di-n-octylphthalate	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	117-84-0	
1,2-Diphenylhydrazine	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	122-66-7	
bis(2-Ethylhexyl)phthalate	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	117-81-7	
Fluoranthene	ND ug/kg		32.9	1	12/09/09 18:25	12/14/09 00:01	206-44-0	
Fluorene	ND ug/kg		32.9	1	12/09/09 18:25	12/14/09 00:01	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	87-68-3	
Hexachlorobenzene	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		668	1	12/09/09 18:25	12/14/09 00:01	77-47-4	
Hexachloroethane	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		32.9	1	12/09/09 18:25	12/14/09 00:01	193-39-5	
Isophorone	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	78-59-1	
1-Methylnaphthalene	ND ug/kg		32.9	1	12/09/09 18:25	12/14/09 00:01	90-12-0	
2-Methylnaphthalene	ND ug/kg		32.9	1	12/09/09 18:25	12/14/09 00:01	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01		
Naphthalene	ND ug/kg		32.9	1	12/09/09 18:25	12/14/09 00:01	91-20-3	
2-Nitroaniline	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	88-74-4	
3-Nitroaniline	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	99-09-2	
4-Nitroaniline	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	100-01-6	
Nitrobenzene	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	98-95-3	
2-Nitrophenol	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	88-75-5	
4-Nitrophenol	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	100-02-7	L1
N-Nitrosodimethylamine	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	86-30-6	
Pentachlorophenol	ND ug/kg		668	1	12/09/09 18:25	12/14/09 00:01	87-86-5	
Phenanthrene	ND ug/kg		32.9	1	12/09/09 18:25	12/14/09 00:01	85-01-8	
Phenol	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	108-95-2	
Pyrene	ND ug/kg		32.9	1	12/09/09 18:25	12/14/09 00:01	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		169	1	12/09/09 18:25	12/14/09 00:01	88-06-2	
Nitrobenzene-d5 (S)	69 %		10-110	1	12/09/09 18:25	12/14/09 00:01	4165-60-0	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2007-4 Lab ID: 9258915004 Collected: 12/03/09 08:55 Received: 12/05/09 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
2-Fluorobiphenyl (S)	81 %		18-110	1	12/09/09 18:25	12/14/09 00:01	321-60-8	
Terphenyl-d14 (S)	94 %		10-123	1	12/09/09 18:25	12/14/09 00:01	1718-51-0	
Phenol-d6 (S)	57 %		10-110	1	12/09/09 18:25	12/14/09 00:01	13127-88-3	
2-Fluorophenol (S)	62 %		18-110	1	12/09/09 18:25	12/14/09 00:01	367-12-4	
2,4,6-Tribromophenol (S)	89 %		10-110	1	12/09/09 18:25	12/14/09 00:01	118-79-6	
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Acetone	ND ug/kg		78.7	1		12/07/09 15:51	67-64-1	
Benzene	ND ug/kg		3.9	1		12/07/09 15:51	71-43-2	
Bromobenzene	ND ug/kg		3.9	1		12/07/09 15:51	108-86-1	
Bromochloromethane	ND ug/kg		3.9	1		12/07/09 15:51	74-97-5	
Bromodichloromethane	ND ug/kg		3.9	1		12/07/09 15:51	75-27-4	
Bromoform	ND ug/kg		3.9	1		12/07/09 15:51	75-25-2	
Bromomethane	ND ug/kg		7.9	1		12/07/09 15:51	74-83-9	
2-Butanone (MEK)	ND ug/kg		78.7	1		12/07/09 15:51	78-93-3	
n-Butylbenzene	ND ug/kg		3.9	1		12/07/09 15:51	104-51-8	
sec-Butylbenzene	ND ug/kg		3.9	1		12/07/09 15:51	135-98-8	
tert-Butylbenzene	ND ug/kg		3.9	1		12/07/09 15:51	98-06-6	
Carbon tetrachloride	ND ug/kg		3.9	1		12/07/09 15:51	56-23-5	
Chlorobenzene	ND ug/kg		3.9	1		12/07/09 15:51	108-90-7	
Chloroethane	ND ug/kg		7.9	1		12/07/09 15:51	75-00-3	
Chloroform	ND ug/kg		3.9	1		12/07/09 15:51	67-66-3	
Chloromethane	ND ug/kg		7.9	1		12/07/09 15:51	74-87-3	
2-Chlorotoluene	ND ug/kg		3.9	1		12/07/09 15:51	95-49-8	
4-Chlorotoluene	ND ug/kg		3.9	1		12/07/09 15:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		3.9	1		12/07/09 15:51	96-12-8	
Dibromochloromethane	ND ug/kg		3.9	1		12/07/09 15:51	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		3.9	1		12/07/09 15:51	106-93-4	
Dibromomethane	ND ug/kg		3.9	1		12/07/09 15:51	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		3.9	1		12/07/09 15:51	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		3.9	1		12/07/09 15:51	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		3.9	1		12/07/09 15:51	106-46-7	
Dichlorodifluoromethane	ND ug/kg		7.9	1		12/07/09 15:51	75-71-8	
1,1-Dichloroethane	ND ug/kg		3.9	1		12/07/09 15:51	75-34-3	
1,2-Dichloroethane	ND ug/kg		3.9	1		12/07/09 15:51	107-06-2	
1,1-Dichloroethene	ND ug/kg		3.9	1		12/07/09 15:51	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		3.9	1		12/07/09 15:51	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		3.9	1		12/07/09 15:51	156-60-5	
1,2-Dichloropropane	ND ug/kg		3.9	1		12/07/09 15:51	78-87-5	
1,3-Dichloropropane	ND ug/kg		3.9	1		12/07/09 15:51	142-28-9	
2,2-Dichloropropane	ND ug/kg		3.9	1		12/07/09 15:51	594-20-7	
1,1-Dichloropropene	ND ug/kg		3.9	1		12/07/09 15:51	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		3.9	1		12/07/09 15:51	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		3.9	1		12/07/09 15:51	10061-02-6	
Diisopropyl ether	ND ug/kg		3.9	1		12/07/09 15:51	108-20-3	
Ethylbenzene	ND ug/kg		3.9	1		12/07/09 15:51	100-41-4	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2007-4 Lab ID: 9258915004 Collected: 12/03/09 08:55 Received: 12/05/09 09:15 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						
Hexachloro-1,3-butadiene	ND	ug/kg	3.9	1		12/07/09 15:51	87-68-3	
2-Hexanone	ND	ug/kg	39.4	1		12/07/09 15:51	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.9	1		12/07/09 15:51	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.9	1		12/07/09 15:51	99-87-6	
Methylene Chloride	ND	ug/kg	15.7	1		12/07/09 15:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	39.4	1		12/07/09 15:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.9	1		12/07/09 15:51	1634-04-4	
Naphthalene	ND	ug/kg	3.9	1		12/07/09 15:51	91-20-3	
n-Propylbenzene	ND	ug/kg	3.9	1		12/07/09 15:51	103-65-1	
Styrene	ND	ug/kg	3.9	1		12/07/09 15:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.9	1		12/07/09 15:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.9	1		12/07/09 15:51	79-34-5	
Tetrachloroethene	ND	ug/kg	3.9	1		12/07/09 15:51	127-18-4	
Toluene	ND	ug/kg	3.9	1		12/07/09 15:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.9	1		12/07/09 15:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.9	1		12/07/09 15:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.9	1		12/07/09 15:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.9	1		12/07/09 15:51	79-00-5	
Trichloroethene	ND	ug/kg	3.9	1		12/07/09 15:51	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.9	1		12/07/09 15:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.9	1		12/07/09 15:51	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.9	1		12/07/09 15:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.9	1		12/07/09 15:51	108-67-8	
Vinyl acetate	ND	ug/kg	39.4	1		12/07/09 15:51	108-05-4	
Vinyl chloride	ND	ug/kg	7.9	1		12/07/09 15:51	75-01-4	
Xylene (Total)	ND	ug/kg	7.9	1		12/07/09 15:51	1330-20-7	
m&p-Xylene	ND	ug/kg	7.9	1		12/07/09 15:51	1330-20-7	
o-Xylene	ND	ug/kg	3.9	1		12/07/09 15:51	95-47-6	
Dibromofluoromethane (S)	99 %		79-116	1		12/07/09 15:51	1868-53-7	
Toluene-d8 (S)	101 %		88-110	1		12/07/09 15:51	2037-26-5	
4-Bromofluorobenzene (S)	97 %		74-115	1		12/07/09 15:51	460-00-4	
1,2-Dichloroethane-d4 (S)	111 %		69-121	1		12/07/09 15:51	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	14.9 %	0.10	1	12/08/09 08:55
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2007-B-8 Lab ID: 9258915005 Collected: 12/03/09 09:25 Received: 12/05/09 09:15 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		5.7	1	12/07/09 12:01	12/09/09 11:54	68334-30-5	
n-Pentacosane (S)	73 %		50-135	1	12/07/09 12:01	12/09/09 11:54	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		11.5	1	12/07/09 15:55	12/14/09 02:23		
Aliphatic (C19-C36)	ND mg/kg		11.5	1	12/07/09 15:55	12/14/09 02:23		
Aromatic (C11-C22)	ND mg/kg		11.5	1	12/07/09 15:55	12/14/09 02:23		
Nonatriacontane (S)	72 %		40-140	1	12/07/09 15:55	12/14/09 02:23	7194-86-7	
o-Terphenyl (S)	96 %		40-140	1	12/07/09 15:55	12/14/09 02:23	84-15-1	
2-Fluorobiphenyl (S)	114 %		40-140	1	12/07/09 15:55	12/14/09 02:23	321-60-8	
2-Bromonaphthalene (S)	116 %		40-140	1	12/07/09 15:55	12/14/09 02:23	580-13-2	
Gasoline Range Organics Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		5.7	1	12/10/09 04:41	12/11/09 02:31	8006-61-9	
4-Bromofluorobenzene (S)	51 %		50-135	1	12/10/09 04:41	12/11/09 02:31	460-00-4	
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		13.7	1	12/10/09 04:44	12/10/09 22:00		
Aliphatic (C09-C12)	ND mg/kg		13.7	1	12/10/09 04:44	12/10/09 22:00		
Aromatic (C09-C10)	ND mg/kg		13.7	1	12/10/09 04:44	12/10/09 22:00		
2,5-Dibromotoluene (PID)(S)	118 %		70-130	1	12/10/09 04:44	12/10/09 22:00		
2,5-Dibromotoluene (FID)(S)	103 %		70-130	1	12/10/09 04:44	12/10/09 22:00		
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
Acenaphthene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 00:27	83-32-9	
Acenaphthylene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 00:27	208-96-8	
Anthracene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 00:27	120-12-7	
Benzo(a)anthracene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 00:27	56-55-3	
Benzo(a)pyrene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 00:27	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 00:27	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 00:27	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 00:27	207-08-9	
4-Bromophenylphenyl ether	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	101-55-3	
Butylbenzylphthalate	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		670	1	12/09/09 18:25	12/15/09 00:27	59-50-7	
4-Chloroaniline	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	108-60-1	
2-Chloronaphthalene	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	91-58-7	
2-Chlorophenol	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	7005-72-3	
Chrysene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 00:27	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 00:27	53-70-3	
Dibenzofuran	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	132-64-9	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2007-B-8 Lab ID: 9258915005 Collected: 12/03/09 09:25 Received: 12/05/09 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
1,2-Dichlorobenzene	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	106-46-7	
3,3'-Dichlorobenzidine	ND ug/kg		670	1	12/09/09 18:25	12/15/09 00:27	91-94-1	
2,4-Dichlorophenol	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	120-83-2	
Diethylphthalate	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	84-66-2	
2,4-Dimethylphenol	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	105-67-9	
Dimethylphthalate	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	131-11-3	
Di-n-butylphthalate	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		670	1	12/09/09 18:25	12/15/09 00:27	534-52-1	
2,4-Dinitrophenol	ND ug/kg		670	1	12/09/09 18:25	12/15/09 00:27	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	606-20-2	
Di-n-octylphthalate	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	117-84-0	
1,2-Diphenylhydrazine	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	122-66-7	
bis(2-Ethylhexyl)phthalate	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	117-81-7	
Fluoranthene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 00:27	206-44-0	
Fluorene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 00:27	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	87-68-3	
Hexachlorobenzene	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		670	1	12/09/09 18:25	12/15/09 00:27	77-47-4	
Hexachloroethane	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 00:27	193-39-5	
Isophorone	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	78-59-1	
1-Methylnaphthalene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 00:27	90-12-0	
2-Methylnaphthalene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 00:27	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27		
Naphthalene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 00:27	91-20-3	
2-Nitroaniline	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	88-74-4	
3-Nitroaniline	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	99-09-2	
4-Nitroaniline	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	100-01-6	
Nitrobenzene	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	98-95-3	
2-Nitrophenol	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	88-75-5	
4-Nitrophenol	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	100-02-7	L1
N-Nitrosodimethylamine	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	86-30-6	
Pentachlorophenol	ND ug/kg		670	1	12/09/09 18:25	12/15/09 00:27	87-86-5	
Phenanthrene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 00:27	85-01-8	
Phenol	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	108-95-2	
Pyrene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 00:27	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		170	1	12/09/09 18:25	12/15/09 00:27	88-06-2	
Nitrobenzene-d5 (S)	62 %		10-110	1	12/09/09 18:25	12/15/09 00:27	4165-60-0	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2007-B-8 Lab ID: 9258915005 Collected: 12/03/09 09:25 Received: 12/05/09 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
2-Fluorobiphenyl (S)	72 %		18-110	1	12/09/09 18:25	12/15/09 00:27	321-60-8	
Terphenyl-d14 (S)	92 %		10-123	1	12/09/09 18:25	12/15/09 00:27	1718-51-0	
Phenol-d6 (S)	57 %		10-110	1	12/09/09 18:25	12/15/09 00:27	13127-88-3	
2-Fluorophenol (S)	59 %		18-110	1	12/09/09 18:25	12/15/09 00:27	367-12-4	
2,4,6-Tribromophenol (S)	86 %		10-110	1	12/09/09 18:25	12/15/09 00:27	118-79-6	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Acetone	ND ug/kg		88.8	1		12/07/09 16:09	67-64-1	
Benzene	ND ug/kg		4.4	1		12/07/09 16:09	71-43-2	
Bromobenzene	ND ug/kg		4.4	1		12/07/09 16:09	108-86-1	
Bromochloromethane	ND ug/kg		4.4	1		12/07/09 16:09	74-97-5	
Bromodichloromethane	ND ug/kg		4.4	1		12/07/09 16:09	75-27-4	
Bromoform	ND ug/kg		4.4	1		12/07/09 16:09	75-25-2	
Bromomethane	ND ug/kg		8.9	1		12/07/09 16:09	74-83-9	
2-Butanone (MEK)	ND ug/kg		88.8	1		12/07/09 16:09	78-93-3	
n-Butylbenzene	ND ug/kg		4.4	1		12/07/09 16:09	104-51-8	
sec-Butylbenzene	ND ug/kg		4.4	1		12/07/09 16:09	135-98-8	
tert-Butylbenzene	ND ug/kg		4.4	1		12/07/09 16:09	98-06-6	
Carbon tetrachloride	ND ug/kg		4.4	1		12/07/09 16:09	56-23-5	
Chlorobenzene	ND ug/kg		4.4	1		12/07/09 16:09	108-90-7	
Chloroethane	ND ug/kg		8.9	1		12/07/09 16:09	75-00-3	
Chloroform	ND ug/kg		4.4	1		12/07/09 16:09	67-66-3	
Chloromethane	ND ug/kg		8.9	1		12/07/09 16:09	74-87-3	
2-Chlorotoluene	ND ug/kg		4.4	1		12/07/09 16:09	95-49-8	
4-Chlorotoluene	ND ug/kg		4.4	1		12/07/09 16:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		4.4	1		12/07/09 16:09	96-12-8	
Dibromochloromethane	ND ug/kg		4.4	1		12/07/09 16:09	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.4	1		12/07/09 16:09	106-93-4	
Dibromomethane	ND ug/kg		4.4	1		12/07/09 16:09	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		4.4	1		12/07/09 16:09	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		4.4	1		12/07/09 16:09	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		4.4	1		12/07/09 16:09	106-46-7	
Dichlorodifluoromethane	ND ug/kg		8.9	1		12/07/09 16:09	75-71-8	
1,1-Dichloroethane	ND ug/kg		4.4	1		12/07/09 16:09	75-34-3	
1,2-Dichloroethane	ND ug/kg		4.4	1		12/07/09 16:09	107-06-2	
1,1-Dichloroethene	ND ug/kg		4.4	1		12/07/09 16:09	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		4.4	1		12/07/09 16:09	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		4.4	1		12/07/09 16:09	156-60-5	
1,2-Dichloropropane	ND ug/kg		4.4	1		12/07/09 16:09	78-87-5	
1,3-Dichloropropane	ND ug/kg		4.4	1		12/07/09 16:09	142-28-9	
2,2-Dichloropropane	ND ug/kg		4.4	1		12/07/09 16:09	594-20-7	
1,1-Dichloropropene	ND ug/kg		4.4	1		12/07/09 16:09	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		4.4	1		12/07/09 16:09	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		4.4	1		12/07/09 16:09	10061-02-6	
Diisopropyl ether	ND ug/kg		4.4	1		12/07/09 16:09	108-20-3	
Ethylbenzene	ND ug/kg		4.4	1		12/07/09 16:09	100-41-4	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2007-B-8 Lab ID: 9258915005 Collected: 12/03/09 09:25 Received: 12/05/09 09:15 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						
Hexachloro-1,3-butadiene	ND	ug/kg	4.4	1		12/07/09 16:09	87-68-3	
2-Hexanone	ND	ug/kg	44.4	1		12/07/09 16:09	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.4	1		12/07/09 16:09	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.4	1		12/07/09 16:09	99-87-6	
Methylene Chloride	ND	ug/kg	17.8	1		12/07/09 16:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	44.4	1		12/07/09 16:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.4	1		12/07/09 16:09	1634-04-4	
Naphthalene	ND	ug/kg	4.4	1		12/07/09 16:09	91-20-3	
n-Propylbenzene	ND	ug/kg	4.4	1		12/07/09 16:09	103-65-1	
Styrene	ND	ug/kg	4.4	1		12/07/09 16:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.4	1		12/07/09 16:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.4	1		12/07/09 16:09	79-34-5	
Tetrachloroethene	ND	ug/kg	4.4	1		12/07/09 16:09	127-18-4	
Toluene	ND	ug/kg	4.4	1		12/07/09 16:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.4	1		12/07/09 16:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.4	1		12/07/09 16:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.4	1		12/07/09 16:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.4	1		12/07/09 16:09	79-00-5	
Trichloroethene	ND	ug/kg	4.4	1		12/07/09 16:09	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.4	1		12/07/09 16:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.4	1		12/07/09 16:09	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.4	1		12/07/09 16:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.4	1		12/07/09 16:09	108-67-8	
Vinyl acetate	ND	ug/kg	44.4	1		12/07/09 16:09	108-05-4	
Vinyl chloride	ND	ug/kg	8.9	1		12/07/09 16:09	75-01-4	
Xylene (Total)	ND	ug/kg	8.9	1		12/07/09 16:09	1330-20-7	
m&p-Xylene	ND	ug/kg	8.9	1		12/07/09 16:09	1330-20-7	
o-Xylene	ND	ug/kg	4.4	1		12/07/09 16:09	95-47-6	
Dibromofluoromethane (S)	100 %		79-116	1		12/07/09 16:09	1868-53-7	
Toluene-d8 (S)	100 %		88-110	1		12/07/09 16:09	2037-26-5	
4-Bromofluorobenzene (S)	96 %		74-115	1		12/07/09 16:09	460-00-4	
1,2-Dichloroethane-d4 (S)	110 %		69-121	1		12/07/09 16:09	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	13.0 %	0.10	1	12/08/09 08:55
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2610-1 Lab ID: 9258915006 Collected: 12/03/09 13:50 Received: 12/05/09 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8015 GCS THC-Diesel

Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546

Diesel Components	ND mg/kg		6.2	1	12/07/09 12:01	12/09/09 11:54	68334-30-5	
n-Pentacosane (S)	86 %		50-135	1	12/07/09 12:01	12/09/09 11:54	629-99-2	

MADEP EPH NC Soil

Analytical Method: MADEP EPH Preparation Method: MADEP EPH

Aliphatic (C09-C18)	ND mg/kg		12.4	1	12/07/09 15:55	12/14/09 02:56		
Aliphatic (C19-C36)	ND mg/kg		12.4	1	12/07/09 15:55	12/14/09 02:56		
Aromatic (C11-C22)	ND mg/kg		12.4	1	12/07/09 15:55	12/14/09 02:56		
Nonatriacontane (S)	51 %		40-140	1	12/07/09 15:55	12/14/09 02:56	7194-86-7	
o-Terphenyl (S)	91 %		40-140	1	12/07/09 15:55	12/14/09 02:56	84-15-1	
2-Fluorobiphenyl (S)	112 %		40-140	1	12/07/09 15:55	12/14/09 02:56	321-60-8	
2-Bromonaphthalene (S)	114 %		40-140	1	12/07/09 15:55	12/14/09 02:56	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	12/10/09 04:41	12/11/09 02:55	8006-61-9	
4-Bromofluorobenzene (S)	124 %		50-135	1	12/10/09 04:41	12/11/09 02:55	460-00-4	

VPH NC Soil

Analytical Method: MADEP VPH Preparation Method: MADEP VPH

Aliphatic (C05-C08)	ND mg/kg		9.5	1	12/10/09 04:44	12/10/09 22:24		
Aliphatic (C09-C12)	ND mg/kg		9.5	1	12/10/09 04:44	12/10/09 22:24		
Aromatic (C09-C10)	ND mg/kg		9.5	1	12/10/09 04:44	12/10/09 22:24		
2,5-Dibromotoluene (PID)(S)	141 %		70-130	1	12/10/09 04:44	12/10/09 22:24		S3
2,5-Dibromotoluene (FID)(S)	121 %		70-130	1	12/10/09 04:44	12/10/09 22:24		

8270 MSSV Full List Microwave

Analytical Method: EPA 8270

Acenaphthene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 00:53	83-32-9	
Acenaphthylene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 00:53	208-96-8	
Anthracene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 00:53	120-12-7	
Benzo(a)anthracene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 00:53	56-55-3	
Benzo(a)pyrene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 00:53	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 00:53	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 00:53	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 00:53	207-08-9	
4-Bromophenylphenyl ether	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	101-55-3	
Butylbenzylphthalate	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		666	1	12/09/09 18:25	12/15/09 00:53	59-50-7	
4-Chloroaniline	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	108-60-1	
2-Chloronaphthalene	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	91-58-7	
2-Chlorophenol	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	7005-72-3	
Chrysene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 00:53	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 00:53	53-70-3	
Dibenzofuran	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	132-64-9	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2610-1 Lab ID: 9258915006 Collected: 12/03/09 13:50 Received: 12/05/09 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
1,2-Dichlorobenzene	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	106-46-7	
3,3'-Dichlorobenzidine	ND ug/kg		666	1	12/09/09 18:25	12/15/09 00:53	91-94-1	
2,4-Dichlorophenol	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	120-83-2	
Diethylphthalate	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	84-66-2	
2,4-Dimethylphenol	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	105-67-9	
Dimethylphthalate	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	131-11-3	
Di-n-butylphthalate	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		666	1	12/09/09 18:25	12/15/09 00:53	534-52-1	
2,4-Dinitrophenol	ND ug/kg		666	1	12/09/09 18:25	12/15/09 00:53	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	606-20-2	
Di-n-octylphthalate	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	117-84-0	
1,2-Diphenylhydrazine	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	122-66-7	
bis(2-Ethylhexyl)phthalate	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	117-81-7	
Fluoranthene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 00:53	206-44-0	
Fluorene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 00:53	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	87-68-3	
Hexachlorobenzene	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		666	1	12/09/09 18:25	12/15/09 00:53	77-47-4	
Hexachloroethane	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 00:53	193-39-5	
Isophorone	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	78-59-1	
1-Methylnaphthalene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 00:53	90-12-0	
2-Methylnaphthalene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 00:53	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53		
Naphthalene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 00:53	91-20-3	
2-Nitroaniline	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	88-74-4	
3-Nitroaniline	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	99-09-2	
4-Nitroaniline	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	100-01-6	
Nitrobenzene	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	98-95-3	
2-Nitrophenol	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	88-75-5	
4-Nitrophenol	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	100-02-7	L1
N-Nitrosodimethylamine	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	86-30-6	
Pentachlorophenol	ND ug/kg		666	1	12/09/09 18:25	12/15/09 00:53	87-86-5	
Phenanthrene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 00:53	85-01-8	
Phenol	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	108-95-2	
Pyrene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 00:53	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		169	1	12/09/09 18:25	12/15/09 00:53	88-06-2	
Nitrobenzene-d5 (S)	61 %		10-110	1	12/09/09 18:25	12/15/09 00:53	4165-60-0	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2610-1 **Lab ID:** 9258915006 **Collected:** 12/03/09 13:50 **Received:** 12/05/09 09:15 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
2-Fluorobiphenyl (S)	68 %		18-110	1	12/09/09 18:25	12/15/09 00:53	321-60-8	
Terphenyl-d14 (S)	86 %		10-123	1	12/09/09 18:25	12/15/09 00:53	1718-51-0	
Phenol-d6 (S)	50 %		10-110	1	12/09/09 18:25	12/15/09 00:53	13127-88-3	
2-Fluorophenol (S)	53 %		18-110	1	12/09/09 18:25	12/15/09 00:53	367-12-4	
2,4,6-Tribromophenol (S)	79 %		10-110	1	12/09/09 18:25	12/15/09 00:53	118-79-6	
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Acetone	ND ug/kg		86.0	1		12/07/09 16:28	67-64-1	
Benzene	ND ug/kg		4.3	1		12/07/09 16:28	71-43-2	
Bromobenzene	ND ug/kg		4.3	1		12/07/09 16:28	108-86-1	
Bromochloromethane	ND ug/kg		4.3	1		12/07/09 16:28	74-97-5	
Bromodichloromethane	ND ug/kg		4.3	1		12/07/09 16:28	75-27-4	
Bromoform	ND ug/kg		4.3	1		12/07/09 16:28	75-25-2	
Bromomethane	ND ug/kg		8.6	1		12/07/09 16:28	74-83-9	
2-Butanone (MEK)	ND ug/kg		86.0	1		12/07/09 16:28	78-93-3	
n-Butylbenzene	ND ug/kg		4.3	1		12/07/09 16:28	104-51-8	
sec-Butylbenzene	ND ug/kg		4.3	1		12/07/09 16:28	135-98-8	
tert-Butylbenzene	ND ug/kg		4.3	1		12/07/09 16:28	98-06-6	
Carbon tetrachloride	ND ug/kg		4.3	1		12/07/09 16:28	56-23-5	
Chlorobenzene	ND ug/kg		4.3	1		12/07/09 16:28	108-90-7	
Chloroethane	ND ug/kg		8.6	1		12/07/09 16:28	75-00-3	
Chloroform	ND ug/kg		4.3	1		12/07/09 16:28	67-66-3	
Chloromethane	ND ug/kg		8.6	1		12/07/09 16:28	74-87-3	
2-Chlorotoluene	ND ug/kg		4.3	1		12/07/09 16:28	95-49-8	
4-Chlorotoluene	ND ug/kg		4.3	1		12/07/09 16:28	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		4.3	1		12/07/09 16:28	96-12-8	
Dibromochloromethane	ND ug/kg		4.3	1		12/07/09 16:28	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.3	1		12/07/09 16:28	106-93-4	
Dibromomethane	ND ug/kg		4.3	1		12/07/09 16:28	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		4.3	1		12/07/09 16:28	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		4.3	1		12/07/09 16:28	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		4.3	1		12/07/09 16:28	106-46-7	
Dichlorodifluoromethane	ND ug/kg		8.6	1		12/07/09 16:28	75-71-8	
1,1-Dichloroethane	ND ug/kg		4.3	1		12/07/09 16:28	75-34-3	
1,2-Dichloroethane	ND ug/kg		4.3	1		12/07/09 16:28	107-06-2	
1,1-Dichloroethene	ND ug/kg		4.3	1		12/07/09 16:28	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		4.3	1		12/07/09 16:28	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		4.3	1		12/07/09 16:28	156-60-5	
1,2-Dichloropropane	ND ug/kg		4.3	1		12/07/09 16:28	78-87-5	
1,3-Dichloropropane	ND ug/kg		4.3	1		12/07/09 16:28	142-28-9	
2,2-Dichloropropane	ND ug/kg		4.3	1		12/07/09 16:28	594-20-7	
1,1-Dichloropropene	ND ug/kg		4.3	1		12/07/09 16:28	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		4.3	1		12/07/09 16:28	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		4.3	1		12/07/09 16:28	10061-02-6	
Diisopropyl ether	ND ug/kg		4.3	1		12/07/09 16:28	108-20-3	
Ethylbenzene	ND ug/kg		4.3	1		12/07/09 16:28	100-41-4	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2610-1 Lab ID: 9258915006 Collected: 12/03/09 13:50 Received: 12/05/09 09:15 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						
Hexachloro-1,3-butadiene	ND ug/kg		4.3	1		12/07/09 16:28	87-68-3	
2-Hexanone	ND ug/kg		43.0	1		12/07/09 16:28	591-78-6	
Isopropylbenzene (Cumene)	ND ug/kg		4.3	1		12/07/09 16:28	98-82-8	
p-Isopropyltoluene	ND ug/kg		4.3	1		12/07/09 16:28	99-87-6	
Methylene Chloride	ND ug/kg		17.2	1		12/07/09 16:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		43.0	1		12/07/09 16:28	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		4.3	1		12/07/09 16:28	1634-04-4	
Naphthalene	ND ug/kg		4.3	1		12/07/09 16:28	91-20-3	
n-Propylbenzene	ND ug/kg		4.3	1		12/07/09 16:28	103-65-1	
Styrene	ND ug/kg		4.3	1		12/07/09 16:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		4.3	1		12/07/09 16:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		4.3	1		12/07/09 16:28	79-34-5	
Tetrachloroethene	ND ug/kg		4.3	1		12/07/09 16:28	127-18-4	
Toluene	ND ug/kg		4.3	1		12/07/09 16:28	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		4.3	1		12/07/09 16:28	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		4.3	1		12/07/09 16:28	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		4.3	1		12/07/09 16:28	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		4.3	1		12/07/09 16:28	79-00-5	
Trichloroethene	ND ug/kg		4.3	1		12/07/09 16:28	79-01-6	
Trichlorofluoromethane	ND ug/kg		4.3	1		12/07/09 16:28	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		4.3	1		12/07/09 16:28	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		4.3	1		12/07/09 16:28	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		4.3	1		12/07/09 16:28	108-67-8	
Vinyl acetate	ND ug/kg		43.0	1		12/07/09 16:28	108-05-4	
Vinyl chloride	ND ug/kg		8.6	1		12/07/09 16:28	75-01-4	
Xylene (Total)	ND ug/kg		8.6	1		12/07/09 16:28	1330-20-7	
m&p-Xylene	ND ug/kg		8.6	1		12/07/09 16:28	1330-20-7	
o-Xylene	ND ug/kg		4.3	1		12/07/09 16:28	95-47-6	
Dibromofluoromethane (S)	99 %		79-116	1		12/07/09 16:28	1868-53-7	
Toluene-d8 (S)	101 %		88-110	1		12/07/09 16:28	2037-26-5	
4-Bromofluorobenzene (S)	98 %		74-115	1		12/07/09 16:28	460-00-4	
1,2-Dichloroethane-d4 (S)	112 %		69-121	1		12/07/09 16:28	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	19.2 %	0.10	1	12/08/09 08:55
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2610-2 **Lab ID:** 9258915007 **Collected:** 12/03/09 14:20 **Received:** 12/05/09 09:15 **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	12/07/09 12:01	12/09/09 12:23	68334-30-5	
n-Pentacosane (S)	61 %		50-135	1	12/07/09 12:01	12/09/09 12:23	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		12.8	1	12/07/09 15:55	12/14/09 03:30		
Aliphatic (C19-C36)	ND mg/kg		12.8	1	12/07/09 15:55	12/14/09 03:30		
Aromatic (C11-C22)	ND mg/kg		12.8	1	12/07/09 15:55	12/14/09 03:30		
Nonatriacontane (S)	75 %		40-140	1	12/07/09 15:55	12/14/09 03:30	7194-86-7	
o-Terphenyl (S)	73 %		40-140	1	12/07/09 15:55	12/14/09 03:30	84-15-1	
2-Fluorobiphenyl (S)	98 %		40-140	1	12/07/09 15:55	12/14/09 03:30	321-60-8	
2-Bromonaphthalene (S)	105 %		40-140	1	12/07/09 15:55	12/14/09 03:30	580-13-2	
Gasoline Range Organics Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		6.3	1	12/10/09 04:41	12/11/09 03:20	8006-61-9	
4-Bromofluorobenzene (S)	94 %		50-135	1	12/10/09 04:41	12/11/09 03:20	460-00-4	
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		9.2	1	12/10/09 04:44	12/10/09 22:49		
Aliphatic (C09-C12)	ND mg/kg		9.2	1	12/10/09 04:44	12/10/09 22:49		
Aromatic (C09-C10)	ND mg/kg		9.2	1	12/10/09 04:44	12/10/09 22:49		
2,5-Dibromotoluene (PID)(S)	154 %		70-130	1	12/10/09 04:44	12/10/09 22:49		S3
2,5-Dibromotoluene (FID)(S)	136 %		70-130	1	12/10/09 04:44	12/10/09 22:49		S3
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
Acenaphthene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 01:19	83-32-9	
Acenaphthylene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 01:19	208-96-8	
Anthracene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 01:19	120-12-7	
Benzo(a)anthracene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 01:19	56-55-3	
Benzo(a)pyrene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 01:19	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 01:19	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 01:19	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 01:19	207-08-9	
4-Bromophenylphenyl ether	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	101-55-3	
Butylbenzylphthalate	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		666	1	12/09/09 18:25	12/15/09 01:19	59-50-7	
4-Chloroaniline	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	108-60-1	
2-Chloronaphthalene	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	91-58-7	
2-Chlorophenol	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	7005-72-3	
Chrysene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 01:19	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 01:19	53-70-3	
Dibenzofuran	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	132-64-9	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2610-2 Lab ID: 9258915007 Collected: 12/03/09 14:20 Received: 12/05/09 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
1,2-Dichlorobenzene	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	106-46-7	
3,3'-Dichlorobenzidine	ND ug/kg		666	1	12/09/09 18:25	12/15/09 01:19	91-94-1	
2,4-Dichlorophenol	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	120-83-2	
Diethylphthalate	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	84-66-2	
2,4-Dimethylphenol	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	105-67-9	
Dimethylphthalate	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	131-11-3	
Di-n-butylphthalate	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		666	1	12/09/09 18:25	12/15/09 01:19	534-52-1	
2,4-Dinitrophenol	ND ug/kg		666	1	12/09/09 18:25	12/15/09 01:19	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	606-20-2	
Di-n-octylphthalate	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	117-84-0	
1,2-Diphenylhydrazine	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	122-66-7	
bis(2-Ethylhexyl)phthalate	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	117-81-7	
Fluoranthene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 01:19	206-44-0	
Fluorene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 01:19	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	87-68-3	
Hexachlorobenzene	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		666	1	12/09/09 18:25	12/15/09 01:19	77-47-4	
Hexachloroethane	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 01:19	193-39-5	
Isophorone	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	78-59-1	
1-Methylnaphthalene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 01:19	90-12-0	
2-Methylnaphthalene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 01:19	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19		
Naphthalene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 01:19	91-20-3	
2-Nitroaniline	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	88-74-4	
3-Nitroaniline	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	99-09-2	
4-Nitroaniline	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	100-01-6	
Nitrobenzene	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	98-95-3	
2-Nitrophenol	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	88-75-5	
4-Nitrophenol	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	100-02-7	L1
N-Nitrosodimethylamine	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	86-30-6	
Pentachlorophenol	ND ug/kg		666	1	12/09/09 18:25	12/15/09 01:19	87-86-5	
Phenanthrene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 01:19	85-01-8	
Phenol	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	108-95-2	
Pyrene	ND ug/kg		32.8	1	12/09/09 18:25	12/15/09 01:19	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		169	1	12/09/09 18:25	12/15/09 01:19	88-06-2	
Nitrobenzene-d5 (S)	71 %		10-110	1	12/09/09 18:25	12/15/09 01:19	4165-60-0	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2610-2 Lab ID: 9258915007 Collected: 12/03/09 14:20 Received: 12/05/09 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
2-Fluorobiphenyl (S)	78 %		18-110	1	12/09/09 18:25	12/15/09 01:19	321-60-8	
Terphenyl-d14 (S)	92 %		10-123	1	12/09/09 18:25	12/15/09 01:19	1718-51-0	
Phenol-d6 (S)	56 %		10-110	1	12/09/09 18:25	12/15/09 01:19	13127-88-3	
2-Fluorophenol (S)	57 %		18-110	1	12/09/09 18:25	12/15/09 01:19	367-12-4	
2,4,6-Tribromophenol (S)	85 %		10-110	1	12/09/09 18:25	12/15/09 01:19	118-79-6	
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Acetone	ND ug/kg		100	1		12/07/09 16:46	67-64-1	
Benzene	ND ug/kg		5.0	1		12/07/09 16:46	71-43-2	
Bromobenzene	ND ug/kg		5.0	1		12/07/09 16:46	108-86-1	
Bromochloromethane	ND ug/kg		5.0	1		12/07/09 16:46	74-97-5	
Bromodichloromethane	ND ug/kg		5.0	1		12/07/09 16:46	75-27-4	
Bromoform	ND ug/kg		5.0	1		12/07/09 16:46	75-25-2	
Bromomethane	ND ug/kg		10.0	1		12/07/09 16:46	74-83-9	
2-Butanone (MEK)	ND ug/kg		100	1		12/07/09 16:46	78-93-3	
n-Butylbenzene	ND ug/kg		5.0	1		12/07/09 16:46	104-51-8	
sec-Butylbenzene	ND ug/kg		5.0	1		12/07/09 16:46	135-98-8	
tert-Butylbenzene	ND ug/kg		5.0	1		12/07/09 16:46	98-06-6	
Carbon tetrachloride	ND ug/kg		5.0	1		12/07/09 16:46	56-23-5	
Chlorobenzene	ND ug/kg		5.0	1		12/07/09 16:46	108-90-7	
Chloroethane	ND ug/kg		10.0	1		12/07/09 16:46	75-00-3	
Chloroform	ND ug/kg		5.0	1		12/07/09 16:46	67-66-3	
Chloromethane	ND ug/kg		10.0	1		12/07/09 16:46	74-87-3	
2-Chlorotoluene	ND ug/kg		5.0	1		12/07/09 16:46	95-49-8	
4-Chlorotoluene	ND ug/kg		5.0	1		12/07/09 16:46	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		5.0	1		12/07/09 16:46	96-12-8	
Dibromochloromethane	ND ug/kg		5.0	1		12/07/09 16:46	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		5.0	1		12/07/09 16:46	106-93-4	
Dibromomethane	ND ug/kg		5.0	1		12/07/09 16:46	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		5.0	1		12/07/09 16:46	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		5.0	1		12/07/09 16:46	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		5.0	1		12/07/09 16:46	106-46-7	
Dichlorodifluoromethane	ND ug/kg		10.0	1		12/07/09 16:46	75-71-8	
1,1-Dichloroethane	ND ug/kg		5.0	1		12/07/09 16:46	75-34-3	
1,2-Dichloroethane	ND ug/kg		5.0	1		12/07/09 16:46	107-06-2	
1,1-Dichloroethene	ND ug/kg		5.0	1		12/07/09 16:46	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		5.0	1		12/07/09 16:46	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		5.0	1		12/07/09 16:46	156-60-5	
1,2-Dichloropropane	ND ug/kg		5.0	1		12/07/09 16:46	78-87-5	
1,3-Dichloropropane	ND ug/kg		5.0	1		12/07/09 16:46	142-28-9	
2,2-Dichloropropane	ND ug/kg		5.0	1		12/07/09 16:46	594-20-7	
1,1-Dichloropropene	ND ug/kg		5.0	1		12/07/09 16:46	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		5.0	1		12/07/09 16:46	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		5.0	1		12/07/09 16:46	10061-02-6	
Diisopropyl ether	ND ug/kg		5.0	1		12/07/09 16:46	108-20-3	
Ethylbenzene	ND ug/kg		5.0	1		12/07/09 16:46	100-41-4	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9258915

Sample: TT-2610-2 Lab ID: 9258915007 Collected: 12/03/09 14:20 Received: 12/05/09 09:15 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						
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1		12/07/09 16:46	87-68-3	
2-Hexanone	ND	ug/kg	50.2	1		12/07/09 16:46	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1		12/07/09 16:46	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1		12/07/09 16:46	99-87-6	
Methylene Chloride	ND	ug/kg	20.1	1		12/07/09 16:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.2	1		12/07/09 16:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1		12/07/09 16:46	1634-04-4	
Naphthalene	ND	ug/kg	5.0	1		12/07/09 16:46	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	1		12/07/09 16:46	103-65-1	
Styrene	ND	ug/kg	5.0	1		12/07/09 16:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1		12/07/09 16:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1		12/07/09 16:46	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1		12/07/09 16:46	127-18-4	
Toluene	ND	ug/kg	5.0	1		12/07/09 16:46	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1		12/07/09 16:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1		12/07/09 16:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1		12/07/09 16:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1		12/07/09 16:46	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1		12/07/09 16:46	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1		12/07/09 16:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1		12/07/09 16:46	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1		12/07/09 16:46	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1		12/07/09 16:46	108-67-8	
Vinyl acetate	ND	ug/kg	50.2	1		12/07/09 16:46	108-05-4	
Vinyl chloride	ND	ug/kg	10.0	1		12/07/09 16:46	75-01-4	
Xylene (Total)	ND	ug/kg	10.0	1		12/07/09 16:46	1330-20-7	
m&p-Xylene	ND	ug/kg	10.0	1		12/07/09 16:46	1330-20-7	
o-Xylene	ND	ug/kg	5.0	1		12/07/09 16:46	95-47-6	
Dibromofluoromethane (S)	102	%	79-116	1		12/07/09 16:46	1868-53-7	
Toluene-d8 (S)	101	%	88-110	1		12/07/09 16:46	2037-26-5	
4-Bromofluorobenzene (S)	96	%	74-115	1		12/07/09 16:46	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	69-121	1		12/07/09 16:46	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	22.0	%	0.10	1	12/08/09 08:55
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2610-3 Lab ID: 9258915008 Collected: 12/03/09 14:35 Received: 12/05/09 09:15 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		6.3	1	12/07/09 12:01	12/09/09 12:23	68334-30-5	
n-Pentacosane (S)	79 %		50-135	1	12/07/09 12:01	12/09/09 12:23	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		12.6	1	12/07/09 15:55	12/14/09 04:03		
Aliphatic (C19-C36)	ND mg/kg		12.6	1	12/07/09 15:55	12/14/09 04:03		
Aromatic (C11-C22)	ND mg/kg		12.6	1	12/07/09 15:55	12/14/09 04:03		
Nonatriacontane (S)	48 %		40-140	1	12/07/09 15:55	12/14/09 04:03	7194-86-7	
o-Terphenyl (S)	67 %		40-140	1	12/07/09 15:55	12/14/09 04:03	84-15-1	
2-Fluorobiphenyl (S)	106 %		40-140	1	12/07/09 15:55	12/14/09 04:03	321-60-8	
2-Bromonaphthalene (S)	108 %		40-140	1	12/07/09 15:55	12/14/09 04:03	580-13-2	
Gasoline Range Organics Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		5.9	1	12/10/09 04:41	12/11/09 03:44	8006-61-9	
4-Bromofluorobenzene (S)	146 %		50-135	1	12/10/09 04:41	12/11/09 03:44	460-00-4	S3
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		9.4	1	12/10/09 04:44	12/10/09 23:13		
Aliphatic (C09-C12)	ND mg/kg		9.4	1	12/10/09 04:44	12/10/09 23:13		
Aromatic (C09-C10)	ND mg/kg		9.4	1	12/10/09 04:44	12/10/09 23:13		
2,5-Dibromotoluene (PID)(S)	151 %		70-130	1	12/10/09 04:44	12/10/09 23:13		S3
2,5-Dibromotoluene (FID)(S)	128 %		70-130	1	12/10/09 04:44	12/10/09 23:13		
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
Acenaphthene	ND ug/kg		33.2	1	12/09/09 18:25	12/15/09 01:45	83-32-9	
Acenaphthylene	ND ug/kg		33.2	1	12/09/09 18:25	12/15/09 01:45	208-96-8	
Anthracene	ND ug/kg		33.2	1	12/09/09 18:25	12/15/09 01:45	120-12-7	
Benzo(a)anthracene	ND ug/kg		33.2	1	12/09/09 18:25	12/15/09 01:45	56-55-3	
Benzo(a)pyrene	ND ug/kg		33.2	1	12/09/09 18:25	12/15/09 01:45	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		33.2	1	12/09/09 18:25	12/15/09 01:45	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		33.2	1	12/09/09 18:25	12/15/09 01:45	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		33.2	1	12/09/09 18:25	12/15/09 01:45	207-08-9	
4-Bromophenylphenyl ether	ND ug/kg		171	1	12/09/09 18:25	12/15/09 01:45	101-55-3	
Butylbenzylphthalate	ND ug/kg		171	1	12/09/09 18:25	12/15/09 01:45	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		674	1	12/09/09 18:25	12/15/09 01:45	59-50-7	
4-Chloroaniline	ND ug/kg		171	1	12/09/09 18:25	12/15/09 01:45	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		171	1	12/09/09 18:25	12/15/09 01:45	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		171	1	12/09/09 18:25	12/15/09 01:45	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		171	1	12/09/09 18:25	12/15/09 01:45	108-60-1	
2-Chloronaphthalene	ND ug/kg		171	1	12/09/09 18:25	12/15/09 01:45	91-58-7	
2-Chlorophenol	ND ug/kg		171	1	12/09/09 18:25	12/15/09 01:45	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		171	1	12/09/09 18:25	12/15/09 01:45	7005-72-3	
Chrysene	ND ug/kg		33.2	1	12/09/09 18:25	12/15/09 01:45	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		33.2	1	12/09/09 18:25	12/15/09 01:45	53-70-3	
Dibenzofuran	ND ug/kg		171	1	12/09/09 18:25	12/15/09 01:45	132-64-9	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9258915

Sample: TT-2610-3 **Lab ID:** 9258915008 **Collected:** 12/03/09 14:35 **Received:** 12/05/09 09:15 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
1,2-Dichlorobenzene	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	674	1	12/09/09 18:25	12/15/09 01:45	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	120-83-2	
Diethylphthalate	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	105-67-9	
Dimethylphthalate	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	131-11-3	
Di-n-butylphthalate	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	674	1	12/09/09 18:25	12/15/09 01:45	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	674	1	12/09/09 18:25	12/15/09 01:45	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	606-20-2	
Di-n-octylphthalate	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	117-84-0	
1,2-Diphenylhydrazine	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	117-81-7	
Fluoranthene	ND	ug/kg	33.2	1	12/09/09 18:25	12/15/09 01:45	206-44-0	
Fluorene	ND	ug/kg	33.2	1	12/09/09 18:25	12/15/09 01:45	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	87-68-3	
Hexachlorobenzene	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	674	1	12/09/09 18:25	12/15/09 01:45	77-47-4	
Hexachloroethane	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	33.2	1	12/09/09 18:25	12/15/09 01:45	193-39-5	
Isophorone	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	78-59-1	
1-Methylnaphthalene	ND	ug/kg	33.2	1	12/09/09 18:25	12/15/09 01:45	90-12-0	
2-Methylnaphthalene	ND	ug/kg	33.2	1	12/09/09 18:25	12/15/09 01:45	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45		
Naphthalene	ND	ug/kg	33.2	1	12/09/09 18:25	12/15/09 01:45	91-20-3	
2-Nitroaniline	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	88-74-4	
3-Nitroaniline	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	99-09-2	
4-Nitroaniline	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	100-01-6	
Nitrobenzene	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	98-95-3	
2-Nitrophenol	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	88-75-5	
4-Nitrophenol	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	100-02-7	L1
N-Nitrosodimethylamine	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	86-30-6	
Pentachlorophenol	ND	ug/kg	674	1	12/09/09 18:25	12/15/09 01:45	87-86-5	
Phenanthrene	ND	ug/kg	33.2	1	12/09/09 18:25	12/15/09 01:45	85-01-8	
Phenol	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	108-95-2	
Pyrene	ND	ug/kg	33.2	1	12/09/09 18:25	12/15/09 01:45	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	171	1	12/09/09 18:25	12/15/09 01:45	88-06-2	
Nitrobenzene-d5 (S)	70 %		10-110	1	12/09/09 18:25	12/15/09 01:45	4165-60-0	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2610-3 Lab ID: 9258915008 Collected: 12/03/09 14:35 Received: 12/05/09 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
2-Fluorobiphenyl (S)	76 %		18-110	1	12/09/09 18:25	12/15/09 01:45	321-60-8	
Terphenyl-d14 (S)	93 %		10-123	1	12/09/09 18:25	12/15/09 01:45	1718-51-0	
Phenol-d6 (S)	60 %		10-110	1	12/09/09 18:25	12/15/09 01:45	13127-88-3	
2-Fluorophenol (S)	64 %		18-110	1	12/09/09 18:25	12/15/09 01:45	367-12-4	
2,4,6-Tribromophenol (S)	84 %		10-110	1	12/09/09 18:25	12/15/09 01:45	118-79-6	
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Acetone	ND ug/kg		94.1	1		12/07/09 17:04	67-64-1	
Benzene	ND ug/kg		4.7	1		12/07/09 17:04	71-43-2	
Bromobenzene	ND ug/kg		4.7	1		12/07/09 17:04	108-86-1	
Bromochloromethane	ND ug/kg		4.7	1		12/07/09 17:04	74-97-5	
Bromodichloromethane	ND ug/kg		4.7	1		12/07/09 17:04	75-27-4	
Bromoform	ND ug/kg		4.7	1		12/07/09 17:04	75-25-2	
Bromomethane	ND ug/kg		9.4	1		12/07/09 17:04	74-83-9	
2-Butanone (MEK)	ND ug/kg		94.1	1		12/07/09 17:04	78-93-3	
n-Butylbenzene	ND ug/kg		4.7	1		12/07/09 17:04	104-51-8	
sec-Butylbenzene	ND ug/kg		4.7	1		12/07/09 17:04	135-98-8	
tert-Butylbenzene	ND ug/kg		4.7	1		12/07/09 17:04	98-06-6	
Carbon tetrachloride	ND ug/kg		4.7	1		12/07/09 17:04	56-23-5	
Chlorobenzene	ND ug/kg		4.7	1		12/07/09 17:04	108-90-7	
Chloroethane	ND ug/kg		9.4	1		12/07/09 17:04	75-00-3	
Chloroform	ND ug/kg		4.7	1		12/07/09 17:04	67-66-3	
Chloromethane	ND ug/kg		9.4	1		12/07/09 17:04	74-87-3	
2-Chlorotoluene	ND ug/kg		4.7	1		12/07/09 17:04	95-49-8	
4-Chlorotoluene	ND ug/kg		4.7	1		12/07/09 17:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		4.7	1		12/07/09 17:04	96-12-8	
Dibromochloromethane	ND ug/kg		4.7	1		12/07/09 17:04	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.7	1		12/07/09 17:04	106-93-4	
Dibromomethane	ND ug/kg		4.7	1		12/07/09 17:04	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		4.7	1		12/07/09 17:04	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		4.7	1		12/07/09 17:04	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		4.7	1		12/07/09 17:04	106-46-7	
Dichlorodifluoromethane	ND ug/kg		9.4	1		12/07/09 17:04	75-71-8	
1,1-Dichloroethane	ND ug/kg		4.7	1		12/07/09 17:04	75-34-3	
1,2-Dichloroethane	ND ug/kg		4.7	1		12/07/09 17:04	107-06-2	
1,1-Dichloroethene	ND ug/kg		4.7	1		12/07/09 17:04	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		4.7	1		12/07/09 17:04	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		4.7	1		12/07/09 17:04	156-60-5	
1,2-Dichloropropane	ND ug/kg		4.7	1		12/07/09 17:04	78-87-5	
1,3-Dichloropropane	ND ug/kg		4.7	1		12/07/09 17:04	142-28-9	
2,2-Dichloropropane	ND ug/kg		4.7	1		12/07/09 17:04	594-20-7	
1,1-Dichloropropene	ND ug/kg		4.7	1		12/07/09 17:04	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		4.7	1		12/07/09 17:04	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		4.7	1		12/07/09 17:04	10061-02-6	
Diisopropyl ether	ND ug/kg		4.7	1		12/07/09 17:04	108-20-3	
Ethylbenzene	ND ug/kg		4.7	1		12/07/09 17:04	100-41-4	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9258915

Sample: TT-2610-3 **Lab ID:** 9258915008 **Collected:** 12/03/09 14:35 **Received:** 12/05/09 09:15 **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						
Hexachloro-1,3-butadiene	ND	ug/kg	4.7	1		12/07/09 17:04	87-68-3	
2-Hexanone	ND	ug/kg	47.0	1		12/07/09 17:04	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	1		12/07/09 17:04	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.7	1		12/07/09 17:04	99-87-6	
Methylene Chloride	ND	ug/kg	18.8	1		12/07/09 17:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	47.0	1		12/07/09 17:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	1		12/07/09 17:04	1634-04-4	
Naphthalene	ND	ug/kg	4.7	1		12/07/09 17:04	91-20-3	
n-Propylbenzene	ND	ug/kg	4.7	1		12/07/09 17:04	103-65-1	
Styrene	ND	ug/kg	4.7	1		12/07/09 17:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.7	1		12/07/09 17:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1		12/07/09 17:04	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	1		12/07/09 17:04	127-18-4	
Toluene	ND	ug/kg	4.7	1		12/07/09 17:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.7	1		12/07/09 17:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1		12/07/09 17:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	1		12/07/09 17:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	1		12/07/09 17:04	79-00-5	
Trichloroethene	ND	ug/kg	4.7	1		12/07/09 17:04	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.7	1		12/07/09 17:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.7	1		12/07/09 17:04	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.7	1		12/07/09 17:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	1		12/07/09 17:04	108-67-8	
Vinyl acetate	ND	ug/kg	47.0	1		12/07/09 17:04	108-05-4	
Vinyl chloride	ND	ug/kg	9.4	1		12/07/09 17:04	75-01-4	
Xylene (Total)	ND	ug/kg	9.4	1		12/07/09 17:04	1330-20-7	
m&p-Xylene	ND	ug/kg	9.4	1		12/07/09 17:04	1330-20-7	
o-Xylene	ND	ug/kg	4.7	1		12/07/09 17:04	95-47-6	
Dibromofluoromethane (S)	100 %		79-116	1		12/07/09 17:04	1868-53-7	
Toluene-d8 (S)	101 %		88-110	1		12/07/09 17:04	2037-26-5	
4-Bromofluorobenzene (S)	98 %		74-115	1		12/07/09 17:04	460-00-4	
1,2-Dichloroethane-d4 (S)	115 %		69-121	1		12/07/09 17:04	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	20.5 %	0.10	1	12/08/09 08:55
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9258915

Sample: TT-2610-4 **Lab ID:** 9258915009 **Collected:** 12/03/09 15:15 **Received:** 12/05/09 09:15 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8015 GCS THC-Diesel

Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546

Diesel Components	ND mg/kg		6.3	1	12/07/09 12:01	12/09/09 12:52	68334-30-5	
n-Pentacosane (S)	79 %		50-135	1	12/07/09 12:01	12/09/09 12:52	629-99-2	

MADEP EPH NC Soil

Analytical Method: MADEP EPH Preparation Method: MADEP EPH

Aliphatic (C09-C18)	ND mg/kg		12.5	1	12/07/09 15:55	12/14/09 04:36		
Aliphatic (C19-C36)	ND mg/kg		12.5	1	12/07/09 15:55	12/14/09 04:36		
Aromatic (C11-C22)	ND mg/kg		12.5	1	12/07/09 15:55	12/14/09 04:36		
Nonatriacontane (S)	75 %		40-140	1	12/07/09 15:55	12/14/09 04:36	7194-86-7	
o-Terphenyl (S)	135 %		40-140	1	12/07/09 15:55	12/14/09 04:36	84-15-1	
2-Fluorobiphenyl (S)	167 %		40-140	1	12/07/09 15:55	12/14/09 04:36	321-60-8	1g
2-Bromonaphthalene (S)	167 %		40-140	1	12/07/09 15:55	12/14/09 04:36	580-13-2	1g

Gasoline Range Organics

Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B

Gasoline Range Organics	ND mg/kg		7.3	1	12/10/09 04:41	12/11/09 04:09	8006-61-9	
4-Bromofluorobenzene (S)	105 %		50-135	1	12/10/09 04:41	12/11/09 04:09	460-00-4	

VPH NC Soil

Analytical Method: MADEP VPH Preparation Method: MADEP VPH

Aliphatic (C05-C08)	ND mg/kg		9.6	1	12/10/09 04:44	12/10/09 23:38		
Aliphatic (C09-C12)	ND mg/kg		9.6	1	12/10/09 04:44	12/10/09 23:38		
Aromatic (C09-C10)	ND mg/kg		9.6	1	12/10/09 04:44	12/10/09 23:38		
2,5-Dibromotoluene (PID)(S)	137 %		70-130	1	12/10/09 04:44	12/10/09 23:38		S3
2,5-Dibromotoluene (FID)(S)	120 %		70-130	1	12/10/09 04:44	12/10/09 23:38		

8270 MSSV Full List Microwave

Analytical Method: EPA 8270

Acenaphthene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 02:11	83-32-9	
Acenaphthylene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 02:11	208-96-8	
Anthracene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 02:11	120-12-7	
Benzo(a)anthracene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 02:11	56-55-3	
Benzo(a)pyrene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 02:11	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 02:11	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 02:11	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 02:11	207-08-9	
4-Bromophenylphenyl ether	ND ug/kg		170	1	12/09/09 18:25	12/15/09 02:11	101-55-3	
Butylbenzylphthalate	ND ug/kg		170	1	12/09/09 18:25	12/15/09 02:11	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		670	1	12/09/09 18:25	12/15/09 02:11	59-50-7	
4-Chloroaniline	ND ug/kg		170	1	12/09/09 18:25	12/15/09 02:11	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		170	1	12/09/09 18:25	12/15/09 02:11	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		170	1	12/09/09 18:25	12/15/09 02:11	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		170	1	12/09/09 18:25	12/15/09 02:11	108-60-1	
2-Chloronaphthalene	ND ug/kg		170	1	12/09/09 18:25	12/15/09 02:11	91-58-7	
2-Chlorophenol	ND ug/kg		170	1	12/09/09 18:25	12/15/09 02:11	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		170	1	12/09/09 18:25	12/15/09 02:11	7005-72-3	
Chrysene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 02:11	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		33.0	1	12/09/09 18:25	12/15/09 02:11	53-70-3	
Dibenzofuran	ND ug/kg		170	1	12/09/09 18:25	12/15/09 02:11	132-64-9	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2610-4 Lab ID: 9258915009 Collected: 12/03/09 15:15 Received: 12/05/09 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
1,2-Dichlorobenzene	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	670	1	12/09/09 18:25	12/15/09 02:11	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	120-83-2	
Diethylphthalate	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	105-67-9	
Dimethylphthalate	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	131-11-3	
Di-n-butylphthalate	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	670	1	12/09/09 18:25	12/15/09 02:11	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	670	1	12/09/09 18:25	12/15/09 02:11	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	606-20-2	
Di-n-octylphthalate	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	117-84-0	
1,2-Diphenylhydrazine	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	117-81-7	
Fluoranthene	ND	ug/kg	33.0	1	12/09/09 18:25	12/15/09 02:11	206-44-0	
Fluorene	ND	ug/kg	33.0	1	12/09/09 18:25	12/15/09 02:11	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	87-68-3	
Hexachlorobenzene	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	670	1	12/09/09 18:25	12/15/09 02:11	77-47-4	
Hexachloroethane	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	33.0	1	12/09/09 18:25	12/15/09 02:11	193-39-5	
Isophorone	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	78-59-1	
1-Methylnaphthalene	ND	ug/kg	33.0	1	12/09/09 18:25	12/15/09 02:11	90-12-0	
2-Methylnaphthalene	ND	ug/kg	33.0	1	12/09/09 18:25	12/15/09 02:11	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11		
Naphthalene	ND	ug/kg	33.0	1	12/09/09 18:25	12/15/09 02:11	91-20-3	
2-Nitroaniline	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	88-74-4	
3-Nitroaniline	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	99-09-2	
4-Nitroaniline	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	100-01-6	
Nitrobenzene	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	98-95-3	
2-Nitrophenol	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	88-75-5	
4-Nitrophenol	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	100-02-7	L1
N-Nitrosodimethylamine	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	86-30-6	
Pentachlorophenol	ND	ug/kg	670	1	12/09/09 18:25	12/15/09 02:11	87-86-5	
Phenanthrene	ND	ug/kg	33.0	1	12/09/09 18:25	12/15/09 02:11	85-01-8	
Phenol	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	108-95-2	
Pyrene	ND	ug/kg	33.0	1	12/09/09 18:25	12/15/09 02:11	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	170	1	12/09/09 18:25	12/15/09 02:11	88-06-2	
Nitrobenzene-d5 (S)	67	%	10-110	1	12/09/09 18:25	12/15/09 02:11	4165-60-0	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9258915

Sample: TT-2610-4 Lab ID: 9258915009 Collected: 12/03/09 15:15 Received: 12/05/09 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
2-Fluorobiphenyl (S)	77 %		18-110	1	12/09/09 18:25	12/15/09 02:11	321-60-8	
Terphenyl-d14 (S)	90 %		10-123	1	12/09/09 18:25	12/15/09 02:11	1718-51-0	
Phenol-d6 (S)	56 %		10-110	1	12/09/09 18:25	12/15/09 02:11	13127-88-3	
2-Fluorophenol (S)	64 %		18-110	1	12/09/09 18:25	12/15/09 02:11	367-12-4	
2,4,6-Tribromophenol (S)	87 %		10-110	1	12/09/09 18:25	12/15/09 02:11	118-79-6	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Acetone	ND ug/kg		93.2	1		12/07/09 17:23	67-64-1	
Benzene	ND ug/kg		4.7	1		12/07/09 17:23	71-43-2	
Bromobenzene	ND ug/kg		4.7	1		12/07/09 17:23	108-86-1	
Bromochloromethane	ND ug/kg		4.7	1		12/07/09 17:23	74-97-5	
Bromodichloromethane	ND ug/kg		4.7	1		12/07/09 17:23	75-27-4	
Bromoform	ND ug/kg		4.7	1		12/07/09 17:23	75-25-2	
Bromomethane	ND ug/kg		9.3	1		12/07/09 17:23	74-83-9	
2-Butanone (MEK)	ND ug/kg		93.2	1		12/07/09 17:23	78-93-3	
n-Butylbenzene	ND ug/kg		4.7	1		12/07/09 17:23	104-51-8	
sec-Butylbenzene	ND ug/kg		4.7	1		12/07/09 17:23	135-98-8	
tert-Butylbenzene	ND ug/kg		4.7	1		12/07/09 17:23	98-06-6	
Carbon tetrachloride	ND ug/kg		4.7	1		12/07/09 17:23	56-23-5	
Chlorobenzene	ND ug/kg		4.7	1		12/07/09 17:23	108-90-7	
Chloroethane	ND ug/kg		9.3	1		12/07/09 17:23	75-00-3	
Chloroform	ND ug/kg		4.7	1		12/07/09 17:23	67-66-3	
Chloromethane	ND ug/kg		9.3	1		12/07/09 17:23	74-87-3	
2-Chlorotoluene	ND ug/kg		4.7	1		12/07/09 17:23	95-49-8	
4-Chlorotoluene	ND ug/kg		4.7	1		12/07/09 17:23	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		4.7	1		12/07/09 17:23	96-12-8	
Dibromochloromethane	ND ug/kg		4.7	1		12/07/09 17:23	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.7	1		12/07/09 17:23	106-93-4	
Dibromomethane	ND ug/kg		4.7	1		12/07/09 17:23	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		4.7	1		12/07/09 17:23	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		4.7	1		12/07/09 17:23	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		4.7	1		12/07/09 17:23	106-46-7	
Dichlorodifluoromethane	ND ug/kg		9.3	1		12/07/09 17:23	75-71-8	
1,1-Dichloroethane	ND ug/kg		4.7	1		12/07/09 17:23	75-34-3	
1,2-Dichloroethane	ND ug/kg		4.7	1		12/07/09 17:23	107-06-2	
1,1-Dichloroethene	ND ug/kg		4.7	1		12/07/09 17:23	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		4.7	1		12/07/09 17:23	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		4.7	1		12/07/09 17:23	156-60-5	
1,2-Dichloropropane	ND ug/kg		4.7	1		12/07/09 17:23	78-87-5	
1,3-Dichloropropane	ND ug/kg		4.7	1		12/07/09 17:23	142-28-9	
2,2-Dichloropropane	ND ug/kg		4.7	1		12/07/09 17:23	594-20-7	
1,1-Dichloropropene	ND ug/kg		4.7	1		12/07/09 17:23	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		4.7	1		12/07/09 17:23	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		4.7	1		12/07/09 17:23	10061-02-6	
Diisopropyl ether	ND ug/kg		4.7	1		12/07/09 17:23	108-20-3	
Ethylbenzene	ND ug/kg		4.7	1		12/07/09 17:23	100-41-4	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2610-4 **Lab ID:** 9258915009 **Collected:** 12/03/09 15:15 **Received:** 12/05/09 09:15 **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						
Hexachloro-1,3-butadiene	ND	ug/kg	4.7	1		12/07/09 17:23	87-68-3	
2-Hexanone	ND	ug/kg	46.6	1		12/07/09 17:23	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	1		12/07/09 17:23	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.7	1		12/07/09 17:23	99-87-6	
Methylene Chloride	ND	ug/kg	18.6	1		12/07/09 17:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	46.6	1		12/07/09 17:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	1		12/07/09 17:23	1634-04-4	
Naphthalene	ND	ug/kg	4.7	1		12/07/09 17:23	91-20-3	
n-Propylbenzene	ND	ug/kg	4.7	1		12/07/09 17:23	103-65-1	
Styrene	ND	ug/kg	4.7	1		12/07/09 17:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.7	1		12/07/09 17:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1		12/07/09 17:23	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	1		12/07/09 17:23	127-18-4	
Toluene	ND	ug/kg	4.7	1		12/07/09 17:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.7	1		12/07/09 17:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1		12/07/09 17:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	1		12/07/09 17:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	1		12/07/09 17:23	79-00-5	
Trichloroethene	ND	ug/kg	4.7	1		12/07/09 17:23	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.7	1		12/07/09 17:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.7	1		12/07/09 17:23	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.7	1		12/07/09 17:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	1		12/07/09 17:23	108-67-8	
Vinyl acetate	ND	ug/kg	46.6	1		12/07/09 17:23	108-05-4	
Vinyl chloride	ND	ug/kg	9.3	1		12/07/09 17:23	75-01-4	
Xylene (Total)	ND	ug/kg	9.3	1		12/07/09 17:23	1330-20-7	
m&p-Xylene	ND	ug/kg	9.3	1		12/07/09 17:23	1330-20-7	
o-Xylene	ND	ug/kg	4.7	1		12/07/09 17:23	95-47-6	
Dibromofluoromethane (S)	103	%	79-116	1		12/07/09 17:23	1868-53-7	
Toluene-d8 (S)	101	%	88-110	1		12/07/09 17:23	2037-26-5	
4-Bromofluorobenzene (S)	95	%	74-115	1		12/07/09 17:23	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%	69-121	1		12/07/09 17:23	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	20.1	%	0.10	1	12/08/09 08:56
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2610-B-7.5 **Lab ID:** 9258915010 **Collected:** 12/03/09 15:30 **Received:** 12/05/09 09:15 **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	12/07/09 12:01	12/09/09 12:52	68334-30-5	
n-Pentacosane (S)	63 %		50-135	1	12/07/09 12:01	12/09/09 12:52	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		11.3	1	12/07/09 15:55	12/14/09 05:10		
Aliphatic (C19-C36)	ND mg/kg		11.3	1	12/07/09 15:55	12/14/09 05:10		
Aromatic (C11-C22)	ND mg/kg		11.3	1	12/07/09 15:55	12/14/09 05:10		
Nonatriacontane (S)	93 %		40-140	1	12/07/09 15:55	12/14/09 05:10	7194-86-7	
o-Terphenyl (S)	91 %		40-140	1	12/07/09 15:55	12/14/09 05:10	84-15-1	
2-Fluorobiphenyl (S)	104 %		40-140	1	12/07/09 15:55	12/14/09 05:10	321-60-8	
2-Bromonaphthalene (S)	105 %		40-140	1	12/07/09 15:55	12/14/09 05:10	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	12/11/09 17:44	12/11/09 19:03	8006-61-9	
4-Bromofluorobenzene (S)	136 %		50-135	1	12/11/09 17:44	12/11/09 19:03	460-00-4	S3
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		9.3	1	12/10/09 04:44	12/11/09 00:02		
Aliphatic (C09-C12)	ND mg/kg		9.3	1	12/10/09 04:44	12/11/09 00:02		
Aromatic (C09-C10)	ND mg/kg		9.3	1	12/10/09 04:44	12/11/09 00:02		
2,5-Dibromotoluene (PID)(S)	134 %		70-130	1	12/10/09 04:44	12/11/09 00:02		S3
2,5-Dibromotoluene (FID)(S)	131 %		70-130	1	12/10/09 04:44	12/11/09 00:02		S3
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
Acenaphthene	ND ug/kg		32.9	1	12/09/09 18:25	12/15/09 02:37	83-32-9	
Acenaphthylene	ND ug/kg		32.9	1	12/09/09 18:25	12/15/09 02:37	208-96-8	
Anthracene	ND ug/kg		32.9	1	12/09/09 18:25	12/15/09 02:37	120-12-7	
Benzo(a)anthracene	ND ug/kg		32.9	1	12/09/09 18:25	12/15/09 02:37	56-55-3	
Benzo(a)pyrene	ND ug/kg		32.9	1	12/09/09 18:25	12/15/09 02:37	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		32.9	1	12/09/09 18:25	12/15/09 02:37	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		32.9	1	12/09/09 18:25	12/15/09 02:37	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		32.9	1	12/09/09 18:25	12/15/09 02:37	207-08-9	
4-Bromophenylphenyl ether	ND ug/kg		169	1	12/09/09 18:25	12/15/09 02:37	101-55-3	
Butylbenzylphthalate	ND ug/kg		169	1	12/09/09 18:25	12/15/09 02:37	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		668	1	12/09/09 18:25	12/15/09 02:37	59-50-7	
4-Chloroaniline	ND ug/kg		169	1	12/09/09 18:25	12/15/09 02:37	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		169	1	12/09/09 18:25	12/15/09 02:37	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		169	1	12/09/09 18:25	12/15/09 02:37	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		169	1	12/09/09 18:25	12/15/09 02:37	108-60-1	
2-Chloronaphthalene	ND ug/kg		169	1	12/09/09 18:25	12/15/09 02:37	91-58-7	
2-Chlorophenol	ND ug/kg		169	1	12/09/09 18:25	12/15/09 02:37	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		169	1	12/09/09 18:25	12/15/09 02:37	7005-72-3	
Chrysene	ND ug/kg		32.9	1	12/09/09 18:25	12/15/09 02:37	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		32.9	1	12/09/09 18:25	12/15/09 02:37	53-70-3	
Dibenzofuran	ND ug/kg		169	1	12/09/09 18:25	12/15/09 02:37	132-64-9	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2610-B-7.5 Lab ID: 9258915010 Collected: 12/03/09 15:30 Received: 12/05/09 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSF Full List Microwave		Analytical Method: EPA 8270						
1,2-Dichlorobenzene	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	668	1	12/09/09 18:25	12/15/09 02:37	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	120-83-2	
Diethylphthalate	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	105-67-9	
Dimethylphthalate	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	131-11-3	
Di-n-butylphthalate	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	668	1	12/09/09 18:25	12/15/09 02:37	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	668	1	12/09/09 18:25	12/15/09 02:37	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	606-20-2	
Di-n-octylphthalate	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	117-84-0	
1,2-Diphenylhydrazine	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	117-81-7	
Fluoranthene	ND	ug/kg	32.9	1	12/09/09 18:25	12/15/09 02:37	206-44-0	
Fluorene	ND	ug/kg	32.9	1	12/09/09 18:25	12/15/09 02:37	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	87-68-3	
Hexachlorobenzene	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	668	1	12/09/09 18:25	12/15/09 02:37	77-47-4	
Hexachloroethane	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	32.9	1	12/09/09 18:25	12/15/09 02:37	193-39-5	
Isophorone	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	78-59-1	
1-Methylnaphthalene	ND	ug/kg	32.9	1	12/09/09 18:25	12/15/09 02:37	90-12-0	
2-Methylnaphthalene	ND	ug/kg	32.9	1	12/09/09 18:25	12/15/09 02:37	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37		
Naphthalene	ND	ug/kg	32.9	1	12/09/09 18:25	12/15/09 02:37	91-20-3	
2-Nitroaniline	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	88-74-4	
3-Nitroaniline	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	99-09-2	
4-Nitroaniline	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	100-01-6	
Nitrobenzene	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	98-95-3	
2-Nitrophenol	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	88-75-5	
4-Nitrophenol	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	100-02-7	L1
N-Nitrosodimethylamine	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	86-30-6	
Pentachlorophenol	ND	ug/kg	668	1	12/09/09 18:25	12/15/09 02:37	87-86-5	
Phenanthrene	ND	ug/kg	32.9	1	12/09/09 18:25	12/15/09 02:37	85-01-8	
Phenol	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	108-95-2	
Pyrene	ND	ug/kg	32.9	1	12/09/09 18:25	12/15/09 02:37	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	169	1	12/09/09 18:25	12/15/09 02:37	88-06-2	
Nitrobenzene-d5 (S)	68 %		10-110	1	12/09/09 18:25	12/15/09 02:37	4165-60-0	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

Sample: TT-2610-B-7.5 Lab ID: 9258915010 Collected: 12/03/09 15:30 Received: 12/05/09 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
2-Fluorobiphenyl (S)	71 %		18-110	1	12/09/09 18:25	12/15/09 02:37	321-60-8	
Terphenyl-d14 (S)	90 %		10-123	1	12/09/09 18:25	12/15/09 02:37	1718-51-0	
Phenol-d6 (S)	55 %		10-110	1	12/09/09 18:25	12/15/09 02:37	13127-88-3	
2-Fluorophenol (S)	61 %		18-110	1	12/09/09 18:25	12/15/09 02:37	367-12-4	
2,4,6-Tribromophenol (S)	79 %		10-110	1	12/09/09 18:25	12/15/09 02:37	118-79-6	
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Acetone	ND ug/kg		159	1		12/08/09 15:38	67-64-1	
Benzene	ND ug/kg		8.0	1		12/08/09 15:38	71-43-2	
Bromobenzene	ND ug/kg		8.0	1		12/08/09 15:38	108-86-1	
Bromochloromethane	ND ug/kg		8.0	1		12/08/09 15:38	74-97-5	
Bromodichloromethane	ND ug/kg		8.0	1		12/08/09 15:38	75-27-4	
Bromoform	ND ug/kg		8.0	1		12/08/09 15:38	75-25-2	
Bromomethane	ND ug/kg		15.9	1		12/08/09 15:38	74-83-9	
2-Butanone (MEK)	ND ug/kg		159	1		12/08/09 15:38	78-93-3	
n-Butylbenzene	ND ug/kg		8.0	1		12/08/09 15:38	104-51-8	
sec-Butylbenzene	ND ug/kg		8.0	1		12/08/09 15:38	135-98-8	
tert-Butylbenzene	ND ug/kg		8.0	1		12/08/09 15:38	98-06-6	
Carbon tetrachloride	ND ug/kg		8.0	1		12/08/09 15:38	56-23-5	
Chlorobenzene	ND ug/kg		8.0	1		12/08/09 15:38	108-90-7	
Chloroethane	ND ug/kg		15.9	1		12/08/09 15:38	75-00-3	
Chloroform	ND ug/kg		8.0	1		12/08/09 15:38	67-66-3	
Chloromethane	ND ug/kg		15.9	1		12/08/09 15:38	74-87-3	
2-Chlorotoluene	ND ug/kg		8.0	1		12/08/09 15:38	95-49-8	
4-Chlorotoluene	ND ug/kg		8.0	1		12/08/09 15:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		8.0	1		12/08/09 15:38	96-12-8	
Dibromochloromethane	ND ug/kg		8.0	1		12/08/09 15:38	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		8.0	1		12/08/09 15:38	106-93-4	
Dibromomethane	ND ug/kg		8.0	1		12/08/09 15:38	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		8.0	1		12/08/09 15:38	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		8.0	1		12/08/09 15:38	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		8.0	1		12/08/09 15:38	106-46-7	
Dichlorodifluoromethane	ND ug/kg		15.9	1		12/08/09 15:38	75-71-8	
1,1-Dichloroethane	ND ug/kg		8.0	1		12/08/09 15:38	75-34-3	
1,2-Dichloroethane	ND ug/kg		8.0	1		12/08/09 15:38	107-06-2	
1,1-Dichloroethene	ND ug/kg		8.0	1		12/08/09 15:38	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		8.0	1		12/08/09 15:38	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		8.0	1		12/08/09 15:38	156-60-5	
1,2-Dichloropropane	ND ug/kg		8.0	1		12/08/09 15:38	78-87-5	
1,3-Dichloropropane	ND ug/kg		8.0	1		12/08/09 15:38	142-28-9	
2,2-Dichloropropane	ND ug/kg		8.0	1		12/08/09 15:38	594-20-7	
1,1-Dichloropropene	ND ug/kg		8.0	1		12/08/09 15:38	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		8.0	1		12/08/09 15:38	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		8.0	1		12/08/09 15:38	10061-02-6	
Diisopropyl ether	ND ug/kg		8.0	1		12/08/09 15:38	108-20-3	
Ethylbenzene	ND ug/kg		8.0	1		12/08/09 15:38	100-41-4	

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9258915

Sample: TT-2610-B-7.5 Lab ID: 9258915010 Collected: 12/03/09 15:30 Received: 12/05/09 09:15 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						
Hexachloro-1,3-butadiene	ND	ug/kg	8.0	1		12/08/09 15:38	87-68-3	
2-Hexanone	ND	ug/kg	79.7	1		12/08/09 15:38	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	8.0	1		12/08/09 15:38	98-82-8	
p-Isopropyltoluene	ND	ug/kg	8.0	1		12/08/09 15:38	99-87-6	
Methylene Chloride	ND	ug/kg	31.9	1		12/08/09 15:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	79.7	1		12/08/09 15:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	8.0	1		12/08/09 15:38	1634-04-4	
Naphthalene	ND	ug/kg	8.0	1		12/08/09 15:38	91-20-3	
n-Propylbenzene	ND	ug/kg	8.0	1		12/08/09 15:38	103-65-1	
Styrene	ND	ug/kg	8.0	1		12/08/09 15:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	8.0	1		12/08/09 15:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	8.0	1		12/08/09 15:38	79-34-5	
Tetrachloroethene	ND	ug/kg	8.0	1		12/08/09 15:38	127-18-4	
Toluene	ND	ug/kg	8.0	1		12/08/09 15:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	8.0	1		12/08/09 15:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	8.0	1		12/08/09 15:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	8.0	1		12/08/09 15:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	8.0	1		12/08/09 15:38	79-00-5	
Trichloroethene	ND	ug/kg	8.0	1		12/08/09 15:38	79-01-6	
Trichlorofluoromethane	ND	ug/kg	8.0	1		12/08/09 15:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	8.0	1		12/08/09 15:38	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	8.0	1		12/08/09 15:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	8.0	1		12/08/09 15:38	108-67-8	
Vinyl acetate	ND	ug/kg	79.7	1		12/08/09 15:38	108-05-4	
Vinyl chloride	ND	ug/kg	15.9	1		12/08/09 15:38	75-01-4	
Xylene (Total)	ND	ug/kg	15.9	1		12/08/09 15:38	1330-20-7	
m&p-Xylene	ND	ug/kg	15.9	1		12/08/09 15:38	1330-20-7	
o-Xylene	ND	ug/kg	8.0	1		12/08/09 15:38	95-47-6	
Dibromofluoromethane (S)	113	%	79-116	1		12/08/09 15:38	1868-53-7	
Toluene-d8 (S)	101	%	88-110	1		12/08/09 15:38	2037-26-5	
4-Bromofluorobenzene (S)	96	%	74-115	1		12/08/09 15:38	460-00-4	
1,2-Dichloroethane-d4 (S)	126	%	69-121	1		12/08/09 15:38	17060-07-0	S2

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	11.4 %	0.10	1	12/08/09 08:56
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QUALITY CONTROL DATA

Project: TT-2 Tank Yank
Pace Project No.: 9258915

QC Batch: OEXT/8736 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 3546 Analysis Description: 8015 Solid GCSV
Associated Lab Samples: 9258915001, 9258915002, 9258915003, 9258915004, 9258915005, 9258915006, 9258915007, 9258915008, 9258915009, 9258915010

METHOD BLANK: 375795 Matrix: Solid
Associated Lab Samples: 9258915001, 9258915002, 9258915003, 9258915004, 9258915005, 9258915006, 9258915007, 9258915008, 9258915009, 9258915010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	ND	5.0	12/09/09 08:31	
n-Pentacosane (S)	%	103	50-135	12/09/09 08:31	

LABORATORY CONTROL SAMPLE & LCSD: 375796		375797								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Components	mg/kg	167	122	141	73		50-114	14		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 375798				375799							
Parameter	Units	9258835002	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Qual
		Result	Spike Conc.	Spike Conc.							
Diesel Components	mg/kg	53.3	189	189	283	224	122	91	50-107	23	M3
n-Pentacosane (S)	%						190	182	50-135		S2

QUALITY CONTROL DATA

Project: TT-2 Tank Yank
Pace Project No.: 9258915

QC Batch: OEXT/8733 Analysis Method: MADEP EPH
QC Batch Method: MADEP EPH Analysis Description: MADEP EPH NC Soil
Associated Lab Samples: 9258915001, 9258915002, 9258915003, 9258915004, 9258915005, 9258915006, 9258915007, 9258915008, 9258915009, 9258915010

METHOD BLANK: 375742 Matrix: Solid
Associated Lab Samples: 9258915001, 9258915002, 9258915003, 9258915004, 9258915005, 9258915006, 9258915007, 9258915008, 9258915009, 9258915010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aliphatic (C09-C18)	mg/kg	ND	10.0	12/13/09 22:29	
Aliphatic (C19-C36)	mg/kg	ND	10.0	12/13/09 22:29	
Aromatic (C11-C22)	mg/kg	ND	10.0	12/13/09 22:29	
2-Bromonaphthalene (S)	%	164	40-140	12/13/09 22:29	S3
2-Fluorobiphenyl (S)	%	165	40-140	12/13/09 22:29	S3
Nonatriacontane (S)	%	90	40-140	12/13/09 22:29	
o-Terphenyl (S)	%	145	40-140	12/13/09 22:29	S3

LABORATORY CONTROL SAMPLE & LCSD: 375743

375744

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	87	52	40-140		50	
Aliphatic (C19-C36)	mg/kg	13.3	12.0	ND	90	60	40-140		50	
Aromatic (C11-C22)	mg/kg	28.3	26.9	27.2	95	96	40-140	1	50	
2-Bromonaphthalene (S)	%				115	115	40-140			
2-Fluorobiphenyl (S)	%				111	112	40-140			
Nonatriacontane (S)	%				88	71	40-140			
o-Terphenyl (S)	%				88	95	40-140			

QUALITY CONTROL DATA

Project: TT-2 Tank Yank
Pace Project No.: 9258915

QC Batch: GCV/3668 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 5035A/5030B Analysis Description: Gasoline Range Organics
Associated Lab Samples: 9258915001, 9258915002, 9258915003, 9258915004, 9258915005, 9258915006, 9258915007, 9258915008, 9258915009

METHOD BLANK: 377636 Matrix: Solid
Associated Lab Samples: 9258915001, 9258915002, 9258915003, 9258915004, 9258915005, 9258915006, 9258915007, 9258915008, 9258915009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	6.0	12/10/09 19:36	
4-Bromofluorobenzene (S)	%	71	50-135	12/10/09 19:36	

LABORATORY CONTROL SAMPLE: 377637

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	25	21.9	88	70-150	
4-Bromofluorobenzene (S)	%			110	50-135	

MATRIX SPIKE SAMPLE: 377638

Parameter	Units	9258741003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	ND	30.1	34.5	115	70-148	
4-Bromofluorobenzene (S)	%				76	50-135	

SAMPLE DUPLICATE: 377639

Parameter	Units	9258741004 Result	Dup Result	RPD	Qualifiers
Gasoline Range Organics	mg/kg	ND	ND		
4-Bromofluorobenzene (S)	%		88	26	

QUALITY CONTROL DATA

Project: TT-2 Tank Yank
Pace Project No.: 9258915

QC Batch: GCV/3672 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 5035A/5030B Analysis Description: Gasoline Range Organics
Associated Lab Samples: 9258915010

METHOD BLANK: 378100 Matrix: Solid

Associated Lab Samples: 9258915010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	6.0	12/11/09 18:39	
4-Bromofluorobenzene (S)	%	95	50-135	12/11/09 18:39	

LABORATORY CONTROL SAMPLE: 378101

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	25	22.7	91	70-150	
4-Bromofluorobenzene (S)	%			79	50-135	

MATRIX SPIKE SAMPLE: 378102

Parameter	Units	9258915010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	ND	21.3	20.4	95	70-148	
4-Bromofluorobenzene (S)	%				108	50-135	

SAMPLE DUPLICATE: 378103

Parameter	Units	9258712002 Result	Dup Result	RPD	Qualifiers
Gasoline Range Organics	mg/kg	3070	3150	3	
4-Bromofluorobenzene (S)	%		155	16 S2	

QUALITY CONTROL DATA

Project: TT-2 Tank Yank
Pace Project No.: 9258915

QC Batch: GCV/3669 Analysis Method: MADEP VPH
QC Batch Method: MADEP VPH Analysis Description: VPH NC Soil
Associated Lab Samples: 9258915001, 9258915002, 9258915003, 9258915004, 9258915005, 9258915006, 9258915007, 9258915008, 9258915009, 9258915010

METHOD BLANK: 377642 Matrix: Solid
Associated Lab Samples: 9258915001, 9258915002, 9258915003, 9258915004, 9258915005, 9258915006, 9258915007, 9258915008, 9258915009, 9258915010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aliphatic (C05-C08)	mg/kg	ND	10.0	12/10/09 19:58	
Aliphatic (C09-C12)	mg/kg	ND	10.0	12/10/09 19:58	
Aromatic (C09-C10)	mg/kg	ND	10.0	12/10/09 19:58	
2,5-Dibromotoluene (FID)(S)	%	82	70-130	12/10/09 19:58	
2,5-Dibromotoluene (PID)(S)	%	91	70-130	12/10/09 19:58	

LABORATORY CONTROL SAMPLE & LCSD: 377643

377644

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	mg/kg	15	17.3	17.4	115	116	70-130	1	25	
Aliphatic (C09-C12)	mg/kg	15	14.3	15.6	95	104	30-130	9	25	
Aromatic (C09-C10)	mg/kg	5	ND	ND	107	110	70-130		25	
2,5-Dibromotoluene (FID)(S)	%				100	100	70-130			
2,5-Dibromotoluene (PID)(S)	%				112	117	70-130			

QUALITY CONTROL DATA

Project: TT-2 Tank Yank
Pace Project No.: 9258915

QC Batch: MSSV/1478 Analysis Method: EPA 8270
QC Batch Method: EPA 8270 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 9258915001, 9258915002, 9258915003, 9258915004, 9258915005, 9258915006, 9258915007, 9258915008, 9258915009, 9258915010

METHOD BLANK: 25149 Matrix: Solid
Associated Lab Samples: 9258915001, 9258915002, 9258915003, 9258915004, 9258915005, 9258915006, 9258915007, 9258915008, 9258915009, 9258915010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	170	12/14/09 15:47	
1,2-Dichlorobenzene	ug/kg	ND	170	12/14/09 15:47	
1,2-Diphenylhydrazine	ug/kg	ND	170	12/14/09 15:47	
1,3-Dichlorobenzene	ug/kg	ND	170	12/14/09 15:47	
1,4-Dichlorobenzene	ug/kg	ND	170	12/14/09 15:47	
1-Methylnaphthalene	ug/kg	ND	33.0	12/14/09 15:47	
2,4,5-Trichlorophenol	ug/kg	ND	170	12/14/09 15:47	
2,4,6-Trichlorophenol	ug/kg	ND	170	12/14/09 15:47	
2,4-Dichlorophenol	ug/kg	ND	170	12/14/09 15:47	
2,4-Dimethylphenol	ug/kg	ND	170	12/14/09 15:47	
2,4-Dinitrophenol	ug/kg	ND	670	12/14/09 15:47	
2,4-Dinitrotoluene	ug/kg	ND	170	12/14/09 15:47	
2,6-Dinitrotoluene	ug/kg	ND	170	12/14/09 15:47	
2-Chloronaphthalene	ug/kg	ND	170	12/14/09 15:47	
2-Chlorophenol	ug/kg	ND	170	12/14/09 15:47	
2-Methylnaphthalene	ug/kg	ND	33.0	12/14/09 15:47	
2-Methylphenol(o-Cresol)	ug/kg	ND	170	12/14/09 15:47	
2-Nitroaniline	ug/kg	ND	170	12/14/09 15:47	
2-Nitrophenol	ug/kg	ND	170	12/14/09 15:47	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	170	12/14/09 15:47	
3,3'-Dichlorobenzidine	ug/kg	ND	670	12/14/09 15:47	
3-Nitroaniline	ug/kg	ND	170	12/14/09 15:47	
4,6-Dinitro-2-methylphenol	ug/kg	ND	670	12/14/09 15:47	
4-Bromophenylphenyl ether	ug/kg	ND	170	12/14/09 15:47	
4-Chloro-3-methylphenol	ug/kg	ND	670	12/14/09 15:47	
4-Chloroaniline	ug/kg	ND	170	12/14/09 15:47	
4-Chlorophenylphenyl ether	ug/kg	ND	170	12/14/09 15:47	
4-Nitroaniline	ug/kg	ND	170	12/14/09 15:47	
4-Nitrophenol	ug/kg	ND	170	12/14/09 15:47	
Acenaphthene	ug/kg	ND	33.0	12/14/09 15:47	
Acenaphthylene	ug/kg	ND	33.0	12/14/09 15:47	
Anthracene	ug/kg	ND	33.0	12/14/09 15:47	
Benzo(a)anthracene	ug/kg	ND	33.0	12/14/09 15:47	
Benzo(a)pyrene	ug/kg	ND	33.0	12/14/09 15:47	
Benzo(b)fluoranthene	ug/kg	ND	33.0	12/14/09 15:47	
Benzo(g,h,i)perylene	ug/kg	ND	33.0	12/14/09 15:47	
Benzo(k)fluoranthene	ug/kg	ND	33.0	12/14/09 15:47	
bis(2-Chloroethoxy)methane	ug/kg	ND	170	12/14/09 15:47	
bis(2-Chloroethyl) ether	ug/kg	ND	170	12/14/09 15:47	
bis(2-Chloroisopropyl) ether	ug/kg	ND	170	12/14/09 15:47	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	170	12/14/09 15:47	

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QUALITY CONTROL DATA

Project: TT-2 Tank Yank

Pace Project No.: 9258915

METHOD BLANK: 25149

Matrix: Solid

Associated Lab Samples: 9258915001, 9258915002, 9258915003, 9258915004, 9258915005, 9258915006, 9258915007, 9258915008, 9258915009, 9258915010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/kg	ND	170	12/14/09 15:47	
Chrysene	ug/kg	ND	33.0	12/14/09 15:47	
Di-n-butylphthalate	ug/kg	ND	170	12/14/09 15:47	
Di-n-octylphthalate	ug/kg	ND	170	12/14/09 15:47	
Dibenz(a,h)anthracene	ug/kg	ND	33.0	12/14/09 15:47	
Dibenzofuran	ug/kg	ND	170	12/14/09 15:47	
Diethylphthalate	ug/kg	ND	170	12/14/09 15:47	
Dimethylphthalate	ug/kg	ND	170	12/14/09 15:47	
Fluoranthene	ug/kg	ND	33.0	12/14/09 15:47	
Fluorene	ug/kg	ND	33.0	12/14/09 15:47	
Hexachloro-1,3-butadiene	ug/kg	ND	170	12/14/09 15:47	
Hexachlorobenzene	ug/kg	ND	170	12/14/09 15:47	
Hexachlorocyclopentadiene	ug/kg	ND	670	12/14/09 15:47	
Hexachloroethane	ug/kg	ND	170	12/14/09 15:47	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	33.0	12/14/09 15:47	
Isophorone	ug/kg	ND	170	12/14/09 15:47	
N-Nitroso-di-n-propylamine	ug/kg	ND	170	12/14/09 15:47	
N-Nitrosodimethylamine	ug/kg	ND	170	12/14/09 15:47	
N-Nitrosodiphenylamine	ug/kg	ND	170	12/14/09 15:47	
Naphthalene	ug/kg	ND	33.0	12/14/09 15:47	
Nitrobenzene	ug/kg	ND	170	12/14/09 15:47	
Pentachlorophenol	ug/kg	ND	670	12/14/09 15:47	
Phenanthrene	ug/kg	ND	33.0	12/14/09 15:47	
Phenol	ug/kg	ND	170	12/14/09 15:47	
Pyrene	ug/kg	ND	33.0	12/14/09 15:47	
2,4,6-Tribromophenol (S)	%	88	10-110	12/14/09 15:47	
2-Fluorobiphenyl (S)	%	79	18-110	12/14/09 15:47	
2-Fluorophenol (S)	%	65	18-110	12/14/09 15:47	
Nitrobenzene-d5 (S)	%	75	10-110	12/14/09 15:47	
Phenol-d6 (S)	%	64	10-110	12/14/09 15:47	
Terphenyl-d14 (S)	%	91	10-123	12/14/09 15:47	

LABORATORY CONTROL SAMPLE: 25150

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1270	76	55.2-104.2	
1,2-Dichlorobenzene	ug/kg	1670	1080	65	46.8-80.1	
1,2-Diphenylhydrazine	ug/kg	1670	1330	80		
1,3-Dichlorobenzene	ug/kg	1670	1120	67	46.4-80.6	
1,4-Dichlorobenzene	ug/kg	1670	1180	71	37.4-86.7	
1-Methylnaphthalene	ug/kg	1670	1340	80	20.7-121.7	
2,4,5-Trichlorophenol	ug/kg	1670	1520	91	58.1-101.3	
2,4,6-Trichlorophenol	ug/kg	1670	1630	98	46.2-106	
2,4-Dichlorophenol	ug/kg	1670	1440	86	47.1-102	

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QUALITY CONTROL DATA

Project: TT-2 Tank Yank

Pace Project No.: 9258915

LABORATORY CONTROL SAMPLE: 25150

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	ug/kg	1670	1360	82	54.1-109.9	
2,4-Dinitrophenol	ug/kg	1670	1280	77	57.6-108	
2,4-Dinitrotoluene	ug/kg	1670	1510	91	62.7-99.2	
2,6-Dinitrotoluene	ug/kg	1670	1410	85	53.2-110.8	
2-Chloronaphthalene	ug/kg	1670	1480	89	49.8-101	
2-Chlorophenol	ug/kg	1670	1120	67	48.2-85.3	
2-Methylnaphthalene	ug/kg	1670	1390	84	20.9-121.3	
2-Methylphenol(o-Cresol)	ug/kg	1670	1210	72	53.2-93.1	
2-Nitroaniline	ug/kg	1670	1380	83	64.2-102.8	
2-Nitrophenol	ug/kg	1670	1350	81	35-142.5	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1290	78	50.1-87	
3,3'-Dichlorobenzidine	ug/kg	1670	1520	91	51.7-91.9	
3-Nitroaniline	ug/kg	1670	1430	86	64.9-102.5	
4,6-Dinitro-2-methylphenol	ug/kg	1670	1310	78	49.2-104.9	
4-Bromophenylphenyl ether	ug/kg	1670	1430	86	61-96.5	
4-Chloro-3-methylphenol	ug/kg	1670	1360	82	63.4-98.7	
4-Chloroaniline	ug/kg	1670	1320	79	54.8-90.6	
4-Chlorophenylphenyl ether	ug/kg	1670	1520	91	55.1-97.6	
4-Nitroaniline	ug/kg	1670	1470	88	48.6-95.1	
4-Nitrophenol	ug/kg	1670	2040	123	27.1-112	L3
Acenaphthene	ug/kg	1670	1430	86	22-124.1	
Acenaphthylene	ug/kg	1670	1430	86	22.7-127.8	
Anthracene	ug/kg	1670	1420	85	23.8-117	
Benzo(a)anthracene	ug/kg	1670	1400	84	25.7-125	
Benzo(a)pyrene	ug/kg	1670	1330	80	25.5-126.9	
Benzo(b)fluoranthene	ug/kg	1670	1540	92	24.9-132.8	
Benzo(g,h,i)perylene	ug/kg	1670	1470	88	28.1-134.9	
Benzo(k)fluoranthene	ug/kg	1670	1390	83	30.1-135.6	
bis(2-Chloroethoxy)methane	ug/kg	1670	1250	75	51-93.2	
bis(2-Chloroethyl) ether	ug/kg	1670	1040	62	50.3-86.8	
bis(2-Chloroisopropyl) ether	ug/kg	1670	1120	67	43.1-87.3	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1310	79	10-238.8	
Butylbenzylphthalate	ug/kg	1670	1360	82	55.5-116	
Chrysene	ug/kg	1670	1400	84	25.9-129.8	
Di-n-butylphthalate	ug/kg	1670	1460	87	63.2-102.6	
Di-n-octylphthalate	ug/kg	1670	1280	77	56.5-119.9	
Dibenz(a,h)anthracene	ug/kg	1670	1370	82	28.1-136	
Dibenzofuran	ug/kg	1670	1400	84	44-89.3	
Diethylphthalate	ug/kg	1670	1490	89	64.9-94.9	
Dimethylphthalate	ug/kg	1670	1440	86	55.3-94.5	
Fluoranthene	ug/kg	1670	1500	90	27.6-129.1	
Fluorene	ug/kg	1670	1560	94	22.1-134.4	
Hexachloro-1,3-butadiene	ug/kg	1670	1340	81	23.8-97.1	
Hexachlorobenzene	ug/kg	1670	1490	89	43.5-98.2	
Hexachlorocyclopentadiene	ug/kg	1670	1230	74	37.1-91.2	
Hexachloroethane	ug/kg	1670	1180	71	50.9-110.2	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1400	84	27.4-134	
Isophorone	ug/kg	1670	1280	77	54.7-91.2	

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QUALITY CONTROL DATA

Project: TT-2 Tank Yank

Pace Project No.: 9258915

LABORATORY CONTROL SAMPLE: 25150

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
N-Nitroso-di-n-propylamine	ug/kg	1670	1270	76	60.7-96.7	
N-Nitrosodimethylamine	ug/kg	1670	962	58	50.7-89.6	
N-Nitrosodiphenylamine	ug/kg	1670	1420	85	53.8-112.6	
Naphthalene	ug/kg	1670	1260	76	19.8-116.2	
Nitrobenzene	ug/kg	1670	1200	72	54.6-87.7	
Pentachlorophenol	ug/kg	1670	1510	91	35.6-133.1	
Phenanthrene	ug/kg	1670	1400	84	27.7-128.9	
Phenol	ug/kg	1670	984	59	49.3-102.8	
Pyrene	ug/kg	1670	1370	82	27.7-128.9	
2,4,6-Tribromophenol (S)	%			96	10-110	
2-Fluorobiphenyl (S)	%			81	18-110	
2-Fluorophenol (S)	%			57	18-110	
Nitrobenzene-d5 (S)	%			73	10-110	
Phenol-d6 (S)	%			67	10-110	
Terphenyl-d14 (S)	%			84	10-123	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 25151 25152

Parameter	Units	9258915001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	1680	1680	1220	1400	73	83	55.2-104	13	
1,2-Dichlorobenzene	ug/kg	ND	1680	1680	1070	1240	64	74	46.8-80.	14	
1,2-Diphenylhydrazine	ug/kg	ND	1680	1680	1340	1400	80	83		4	
1,3-Dichlorobenzene	ug/kg	ND	1680	1680	1080	1290	64	77	46.4-80.	17	
1,4-Dichlorobenzene	ug/kg	ND	1680	1680	1070	1310	64	78	37.4-86.	20	
1-Methylnaphthalene	ug/kg	ND	1680	1680	1300	1430	78	85	20.7-121	9	
2,4,5-Trichlorophenol	ug/kg	ND	1680	1680	1480	1650	88	98	58.1-101	11	
2,4,6-Trichlorophenol	ug/kg	ND	1680	1680	1590	1750	95	104	46.2-106	10	
2,4-Dichlorophenol	ug/kg	ND	1680	1680	1370	1540	81	92	47.1-102	12	
2,4-Dimethylphenol	ug/kg	ND	1680	1680	1280	1360	76	81	54.1-109	6	
2,4-Dinitrophenol	ug/kg	ND	1680	1680	1440	1490	86	89	57.6-108	3	
2,4-Dinitrotoluene	ug/kg	ND	1680	1680	1510	1680	90	100	62.7-99.	11	M0
2,6-Dinitrotoluene	ug/kg	ND	1680	1680	1390	1490	83	89	53.2-110	7	
2-Chloronaphthalene	ug/kg	ND	1680	1680	1390	1500	83	89	49.8-101	7	
2-Chlorophenol	ug/kg	ND	1680	1680	1070	1240	64	74	48.2-85.	15	
2-Methylnaphthalene	ug/kg	ND	1680	1680	1320	1420	79	84	20.9-121	7	
2-Methylphenol(o-Cresol)	ug/kg	ND	1680	1680	1180	1270	70	76	53.2-93.	8	
2-Nitroaniline	ug/kg	ND	1680	1680	1350	1480	81	88	64.2-102	9	
2-Nitrophenol	ug/kg	ND	1680	1680	1150	1390	68	83	35-142.5	19	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	1680	1680	1350	1410	80	84	50.1-87	5	
3,3'-Dichlorobenzidine	ug/kg	ND	1680	1680	1690	1820	101	108	51.7-91.	7	M0
3-Nitroaniline	ug/kg	ND	1680	1680	1450	1560	86	93	64.9-102	8	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1680	1680	1430	1550	85	92	49.2-104	8	
4-Bromophenylphenyl ether	ug/kg	ND	1680	1680	1480	1530	88	91	61-96.5	3	
4-Chloro-3-methylphenol	ug/kg	ND	1680	1680	1380	1560	82	93	63.4-98.	12	
4-Chloroaniline	ug/kg	ND	1680	1680	1270	1460	76	87	54.8-90.	14	

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QUALITY CONTROL DATA

Project: TT-2 Tank Yank

Pace Project No.: 9258915

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 25151

25152

Parameter	Units	9258915001		MS		MSD		MS		MSD		MS		MSD		% Rec		% Rec		% Rec		RPD	Qual
		Result	Conc.	Spike	Conc.	Spike	Conc.	Result	Conc.	Spike	Conc.	% Rec	Limit	% Rec	Limit	% Rec	Limit	% Rec	Limit	% Rec	Limit		
4-Chlorophenylphenyl ether	ug/kg	ND	1680	1680	1680	1490	1600	89	95	55.1-97.	7												
4-Nitroaniline	ug/kg	ND	1680	1680	1680	1470	1480	88	88	48.6-95.	.7												
4-Nitrophenol	ug/kg	ND	1680	1680	1680	2010	1980	120	118	27.1-112	2	MO											
Acenaphthene	ug/kg	ND	1680	1680	1680	1400	1560	83	93	22-124.1	11												
Acenaphthylene	ug/kg	ND	1680	1680	1680	1350	1490	80	89	22.7-127	10												
Anthracene	ug/kg	ND	1680	1680	1680	1440	1530	86	91	23.8-117	6												
Benzo(a)anthracene	ug/kg	ND	1680	1680	1680	1510	1590	90	95	25.7-125	5												
Benzo(a)pyrene	ug/kg	ND	1680	1680	1680	1440	1580	86	94	25.5-126	10												
Benzo(b)fluoranthene	ug/kg	ND	1680	1680	1680	1490	1860	89	111	24.9-132	22												
Benzo(g,h,i)perylene	ug/kg	ND	1680	1680	1680	1600	1770	95	105	28.1-134	10												
Benzo(k)fluoranthene	ug/kg	ND	1680	1680	1680	1580	1540	94	92	30.1-135	2												
bis(2-Chloroethoxy)methane	ug/kg	ND	1680	1680	1680	1150	1240	69	74	51-93.2	7												
bis(2-Chloroethyl) ether	ug/kg	ND	1680	1680	1680	980	1140	58	68	50.3-86.	15												
bis(2-Chloroisopropyl) ether	ug/kg	ND	1680	1680	1680	1120	1240	67	74	43.1-87.	10												
bis(2-Ethylhexyl)phthalate	ug/kg	ND	1680	1680	1680	1430	1500	85	89	10-238.8	4												
Butylbenzylphthalate	ug/kg	ND	1680	1680	1680	1520	1540	91	92	55.5-116	1												
Chrysene	ug/kg	ND	1680	1680	1680	1540	1480	92	88	25.9-129	4												
Di-n-butylphthalate	ug/kg	ND	1680	1680	1680	1470	1550	88	93	63.2-102	6												
Di-n-octylphthalate	ug/kg	ND	1680	1680	1680	1310	1460	78	87	56.5-119	11												
Dibenz(a,h)anthracene	ug/kg	ND	1680	1680	1680	1470	1640	87	98	28.1-136	11												
Dibenzofuran	ug/kg	ND	1680	1680	1680	1350	1470	81	88	44-89.3	8												
Diethylphthalate	ug/kg	ND	1680	1680	1680	1460	1510	87	90	64.9-94.	4												
Dimethylphthalate	ug/kg	ND	1680	1680	1680	1450	1530	86	91	55.3-94.	5												
Fluoranthene	ug/kg	ND	1680	1680	1680	1490	1560	89	93	27.6-129	5												
Fluorene	ug/kg	ND	1680	1680	1680	1550	1660	92	99	22.1-134	7												
Hexachloro-1,3-butadiene	ug/kg	ND	1680	1680	1680	1300	1440	77	86	23.8-97.	11												
Hexachlorobenzene	ug/kg	ND	1680	1680	1680	1510	1610	90	96	43.5-98.	6												
Hexachlorocyclopentadiene	ug/kg	ND	1680	1680	1680	1170	1370	70	82	37.1-91.	16												
Hexachloroethane	ug/kg	ND	1680	1680	1680	1110	1270	66	76	50.9-110	13												
Indeno(1,2,3-cd)pyrene	ug/kg	ND	1680	1680	1680	1490	1690	89	101	27.4-134	13												
Isophorone	ug/kg	ND	1680	1680	1680	1200	1360	71	81	54.7-91.	13												
N-Nitroso-di-n-propylamine	ug/kg	ND	1680	1680	1680	1230	1350	73	80	60.7-96.	9												
N-Nitrosodimethylamine	ug/kg	ND	1680	1680	1680	916	1050	55	63	50.7-89.	14												
N-Nitrosodiphenylamine	ug/kg	ND	1680	1680	1680	1460	1530	87	91	53.8-112	5												
Naphthalene	ug/kg	ND	1680	1680	1680	1190	1400	71	84	19.8-116	17												
Nitrobenzene	ug/kg	ND	1680	1680	1680	1150	1280	68	76	54.6-87.	11												
Pentachlorophenol	ug/kg	ND	1680	1680	1680	1620	1610	97	96	35.6-133	.8												
Phenanthrene	ug/kg	ND	1680	1680	1680	1430	1550	86	92	27.7-128	8												
Phenol	ug/kg	ND	1680	1680	1680	1090	1120	65	67	49.3-102	2												
Pyrene	ug/kg	ND	1680	1680	1680	1490	1580	89	94	27.7-128	6												
2,4,6-Tribromophenol (S)	%							103	105	10-110													
2-Fluorobiphenyl (S)	%							74	85	18-110													
2-Fluorophenol (S)	%							53	63	18-110													
Nitrobenzene-d5 (S)	%							68	79	10-110													
Phenol-d6 (S)	%							64	69	10-110													
Terphenyl-d14 (S)	%							93	93	10-123													

QUALITY CONTROL DATA

Project: TT-2 Tank Yank

Pace Project No.: 9258915

QC Batch: MSV/9252 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 9258915001, 9258915002, 9258915003, 9258915004, 9258915005, 9258915006, 9258915007, 9258915008, 9258915009, 9258915010

METHOD BLANK: 375717 Matrix: Solid
Associated Lab Samples: 9258915001, 9258915002, 9258915003, 9258915004, 9258915005, 9258915006, 9258915007, 9258915008, 9258915009, 9258915010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	12/07/09 13:07	
1,1,1-Trichloroethane	ug/kg	ND	5.0	12/07/09 13:07	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	12/07/09 13:07	
1,1,2-Trichloroethane	ug/kg	ND	5.0	12/07/09 13:07	
1,1-Dichloroethane	ug/kg	ND	5.0	12/07/09 13:07	
1,1-Dichloroethene	ug/kg	ND	5.0	12/07/09 13:07	
1,1-Dichloropropene	ug/kg	ND	5.0	12/07/09 13:07	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	12/07/09 13:07	
1,2,3-Trichloropropane	ug/kg	ND	5.0	12/07/09 13:07	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	12/07/09 13:07	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	12/07/09 13:07	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	12/07/09 13:07	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	12/07/09 13:07	
1,2-Dichlorobenzene	ug/kg	ND	5.0	12/07/09 13:07	
1,2-Dichloroethane	ug/kg	ND	5.0	12/07/09 13:07	
1,2-Dichloropropane	ug/kg	ND	5.0	12/07/09 13:07	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	12/07/09 13:07	
1,3-Dichlorobenzene	ug/kg	ND	5.0	12/07/09 13:07	
1,3-Dichloropropane	ug/kg	ND	5.0	12/07/09 13:07	
1,4-Dichlorobenzene	ug/kg	ND	5.0	12/07/09 13:07	
2,2-Dichloropropane	ug/kg	ND	5.0	12/07/09 13:07	
2-Butanone (MEK)	ug/kg	ND	100	12/07/09 13:07	
2-Chlorotoluene	ug/kg	ND	5.0	12/07/09 13:07	
2-Hexanone	ug/kg	ND	50.0	12/07/09 13:07	
4-Chlorotoluene	ug/kg	ND	5.0	12/07/09 13:07	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	12/07/09 13:07	
Acetone	ug/kg	ND	100	12/07/09 13:07	
Benzene	ug/kg	ND	5.0	12/07/09 13:07	
Bromobenzene	ug/kg	ND	5.0	12/07/09 13:07	
Bromochloromethane	ug/kg	ND	5.0	12/07/09 13:07	
Bromodichloromethane	ug/kg	ND	5.0	12/07/09 13:07	
Bromoform	ug/kg	ND	5.0	12/07/09 13:07	
Bromomethane	ug/kg	ND	10.0	12/07/09 13:07	
Carbon tetrachloride	ug/kg	ND	5.0	12/07/09 13:07	
Chlorobenzene	ug/kg	ND	5.0	12/07/09 13:07	
Chloroethane	ug/kg	ND	10.0	12/07/09 13:07	
Chloroform	ug/kg	ND	5.0	12/07/09 13:07	
Chloromethane	ug/kg	ND	10.0	12/07/09 13:07	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	12/07/09 13:07	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	12/07/09 13:07	
Dibromochloromethane	ug/kg	ND	5.0	12/07/09 13:07	

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QUALITY CONTROL DATA

Project: TT-2 Tank Yank

Pace Project No.: 9258915

METHOD BLANK: 375717

Matrix: Solid

Associated Lab Samples: 9258915001, 9258915002, 9258915003, 9258915004, 9258915005, 9258915006, 9258915007, 9258915008, 9258915009, 9258915010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	5.0	12/07/09 13:07	
Dichlorodifluoromethane	ug/kg	ND	10.0	12/07/09 13:07	
Diisopropyl ether	ug/kg	ND	5.0	12/07/09 13:07	
Ethylbenzene	ug/kg	ND	5.0	12/07/09 13:07	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	12/07/09 13:07	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	12/07/09 13:07	
m&p-Xylene	ug/kg	ND	10.0	12/07/09 13:07	
Methyl-tert-butyl ether	ug/kg	ND	5.0	12/07/09 13:07	
Methylene Chloride	ug/kg	ND	20.0	12/07/09 13:07	
n-Butylbenzene	ug/kg	ND	5.0	12/07/09 13:07	
n-Propylbenzene	ug/kg	ND	5.0	12/07/09 13:07	
Naphthalene	ug/kg	ND	5.0	12/07/09 13:07	
o-Xylene	ug/kg	ND	5.0	12/07/09 13:07	
p-Isopropyltoluene	ug/kg	ND	5.0	12/07/09 13:07	
sec-Butylbenzene	ug/kg	ND	5.0	12/07/09 13:07	
Styrene	ug/kg	ND	5.0	12/07/09 13:07	
tert-Butylbenzene	ug/kg	ND	5.0	12/07/09 13:07	
Tetrachloroethene	ug/kg	ND	5.0	12/07/09 13:07	
Toluene	ug/kg	ND	5.0	12/07/09 13:07	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	12/07/09 13:07	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	12/07/09 13:07	
Trichloroethene	ug/kg	ND	5.0	12/07/09 13:07	
Trichlorofluoromethane	ug/kg	ND	5.0	12/07/09 13:07	
Vinyl acetate	ug/kg	ND	50.0	12/07/09 13:07	
Vinyl chloride	ug/kg	ND	10.0	12/07/09 13:07	
Xylene (Total)	ug/kg	ND	10.0	12/07/09 13:07	
1,2-Dichloroethane-d4 (S)	%	110	69-121	12/07/09 13:07	
4-Bromofluorobenzene (S)	%	96	74-115	12/07/09 13:07	
Dibromofluoromethane (S)	%	100	79-116	12/07/09 13:07	
Toluene-d8 (S)	%	101	88-110	12/07/09 13:07	

LABORATORY CONTROL SAMPLE: 375718

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	55.7	111	75-137	
1,1,1-Trichloroethane	ug/kg	50	55.7	111	70-140	
1,1,2,2-Tetrachloroethane	ug/kg	50	53.1	106	74-133	
1,1,2-Trichloroethane	ug/kg	50	56.9	114	79-129	
1,1-Dichloroethane	ug/kg	50	56.4	113	72-139	
1,1-Dichloroethene	ug/kg	50	62.4	125	69-154	
1,1-Dichloropropene	ug/kg	50	56.8	114	74-138	
1,2,3-Trichlorobenzene	ug/kg	50	50.9	102	71-150	
1,2,3-Trichloropropane	ug/kg	50	54.8	110	74-135	
1,2,4-Trichlorobenzene	ug/kg	50	51.5	103	68-150	

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QUALITY CONTROL DATA

Project: TT-2 Tank Yank

Pace Project No.: 9258915

LABORATORY CONTROL SAMPLE: 375718

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	50	57.2	114	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	50	54.5	109	65-146	
1,2-Dibromoethane (EDB)	ug/kg	50	54.5	109	77-136	
1,2-Dichlorobenzene	ug/kg	50	51.9	104	75-141	
1,2-Dichloroethane	ug/kg	50	60.3	121	74-134	
1,2-Dichloropropane	ug/kg	50	58.4	117	77-138	
1,3,5-Trimethylbenzene	ug/kg	50	55.4	111	65-128	
1,3-Dichlorobenzene	ug/kg	50	53.8	108	76-133	
1,3-Dichloropropane	ug/kg	50	54.4	109	79-132	
1,4-Dichlorobenzene	ug/kg	50	51.8	104	75-137	
2,2-Dichloropropane	ug/kg	50	55.4	111	73-137	
2-Butanone (MEK)	ug/kg	100	122	122	61-138	
2-Chlorotoluene	ug/kg	50	53.8	108	73-138	
2-Hexanone	ug/kg	100	122	122	58-159	
4-Chlorotoluene	ug/kg	50	55.9	112	75-136	
4-Methyl-2-pentanone (MIBK)	ug/kg	100	126	126	74-139	
Acetone	ug/kg	100	117	117	58-150	
Benzene	ug/kg	50	52.5	105	71-140	
Bromobenzene	ug/kg	50	57.0	114	72-144	
Bromochloromethane	ug/kg	50	50.6	101	78-133	
Bromodichloromethane	ug/kg	50	55.2	110	78-133	
Bromoform	ug/kg	50	58.6	117	74-132	
Bromomethane	ug/kg	50	48.6	97	63-184	
Carbon tetrachloride	ug/kg	50	61.4	123	73-143	
Chlorobenzene	ug/kg	50	53.2	106	77-137	
Chloroethane	ug/kg	50	64.9	130	68-146	
Chloroform	ug/kg	50	54.2	108	75-137	
Chloromethane	ug/kg	50	57.6	115	54-143	
cis-1,2-Dichloroethene	ug/kg	50	56.2	112	71-143	
cis-1,3-Dichloropropene	ug/kg	50	59.0	118	76-133	
Dibromochloromethane	ug/kg	50	53.7	107	77-131	
Dibromomethane	ug/kg	50	58.4	117	63-184	
Dichlorodifluoromethane	ug/kg	50	58.8	118	36-173	
Diisopropyl ether	ug/kg	50	56.5	113	68-144	
Ethylbenzene	ug/kg	50	53.4	107	69-141	
Hexachloro-1,3-butadiene	ug/kg	50	51.8	104	70-152	
Isopropylbenzene (Cumene)	ug/kg	50	54.0	108	77-143	
m&p-Xylene	ug/kg	100	108	108	72-138	
Methyl-tert-butyl ether	ug/kg	50	59.4	119	2-138	
Methylene Chloride	ug/kg	50	64.9	130	69-136	
n-Butylbenzene	ug/kg	50	55.0	110	65-128	
n-Propylbenzene	ug/kg	50	56.2	112	72-139	
Naphthalene	ug/kg	50	53.6	107	61-138	
o-Xylene	ug/kg	50	54.4	109	74-137	
p-Isopropyltoluene	ug/kg	50	55.1	110	66-128	
sec-Butylbenzene	ug/kg	50	54.1	108	72-140	
Styrene	ug/kg	50	54.2	108	76-137	
tert-Butylbenzene	ug/kg	50	56.1	112	68-141	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TT-2 Tank Yank

Pace Project No.: 9258915

LABORATORY CONTROL SAMPLE: 375718

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/kg	50	52.7	105	72-136	
Toluene	ug/kg	50	53.0	106	69-139	
trans-1,2-Dichloroethene	ug/kg	50	58.7	117	72-144	
trans-1,3-Dichloropropene	ug/kg	50	61.6	123	73-135	
Trichloroethene	ug/kg	50	56.1	112	75-136	
Trichlorofluoromethane	ug/kg	50	62.6	125	69-144	
Vinyl acetate	ug/kg	100	137	137	50-150	
Vinyl chloride	ug/kg	50	61.9	124	61-145	
Xylene (Total)	ug/kg	150	162	108	73-138	
1,2-Dichloroethane-d4 (S)	%			106	69-121	
4-Bromofluorobenzene (S)	%			98	74-115	
Dibromofluoromethane (S)	%			99	79-116	
Toluene-d8 (S)	%			99	88-110	

MATRIX SPIKE SAMPLE: 375959

Parameter	Units	9258886004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/kg	ND	57.8	53.5	93	33-158	
Benzene	ug/kg	ND	57.8	55.8	97	46-143	
Chlorobenzene	ug/kg	ND	57.8	57.6	100	29-159	
Toluene	ug/kg	ND	57.8	56.2	97	38-145	
Trichloroethene	ug/kg	ND	57.8	58.2	101	70-130	
1,2-Dichloroethane-d4 (S)	%				100	69-121	
4-Bromofluorobenzene (S)	%				99	74-115	
Dibromofluoromethane (S)	%				99	79-116	
Toluene-d8 (S)	%				99	88-110	

SAMPLE DUPLICATE: 375958

Parameter	Units	9258915001 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		

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QUALITY CONTROL DATA

Project: TT-2 Tank Yank

Pace Project No.: 9258915

SAMPLE DUPLICATE: 375958

Parameter	Units	9258915001 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	ND	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	ND	ND		
n-Butylbenzene	ug/kg	ND	ND		
n-Propylbenzene	ug/kg	ND	ND		
Naphthalene	ug/kg	ND	ND		
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		

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QUALITY CONTROL DATA

Project: TT-2 Tank Yank
Pace Project No.: 9258915

SAMPLE DUPLICATE: 375958

Parameter	Units	9258915001 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)	%	118	95	36	
4-Bromofluorobenzene (S)	%	96	99	10	
Dibromofluoromethane (S)	%	105	106	12	
Toluene-d8 (S)	%	101	100	16	

QUALITY CONTROL DATA

Project: TT-2 Tank Yank
Pace Project No.: 9258915

QC Batch: PMST/2919 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 9258915001, 9258915002, 9258915003, 9258915004, 9258915005, 9258915006, 9258915007, 9258915008,
9258915009, 9258915010

SAMPLE DUPLICATE: 375823

Parameter	Units	9258911001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	13.8	13.8	0	

SAMPLE DUPLICATE: 375824

Parameter	Units	9258790007 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	15.6	15.2	3	

QUALIFIERS

Project: TT-2 Tank Yank

Pace Project No.: 9258915

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

PASI-O Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

- | | |
|----|---|
| 1g | The surrogate recovery was above the QC recovery limit. The sample was not re-extracted since no target analytes were detected in the sample. |
| L1 | Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high. |
| L3 | Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias. |
| M0 | Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits. |
| M3 | Matrix spike recovery was outside laboratory control limits due to matrix interferences. |
| 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. |



Sample Condition Upon Receipt

Client Name: MFC Project # 9258915

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☒ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used T060

Type of Ice: Wet Blue None

☒ Samples on ice, cooling process has begun

Cooler Temperature 3.1

Biological Tissue is Frozen: Yes No N/A

Date and Initials of person examining contents: 12/12/09

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	5.
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	6.
Rush Turn Around Time Requested:	☐ Yes ☒ No ☐ N/A	7.
Sufficient Volume:	☐ Yes ☒ No ☐ N/A	8. ONCC Pg 1 of 2 Item #1 Did not Receive VPH Kit
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	9. Receive 8260 kit for VPH For sample # 10
-Pace Containers Used:	☒ Yes ☐ No ☐ N/A	on COC
Containers Intact:	☒ Yes ☐ No ☐ N/A	10.
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	11.
Sample Labels match COC:	☐ Yes ☒ No ☐ N/A	12. Received VPH kit with no ID, time, or Date
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked.	☒ Yes ☐ No ☐ N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☒ Yes ☐ No ☐ N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐ Yes ☐ No	Initial when completed
Samples checked for dechlorination:	☐ Yes ☐ No ☒ N/A	14.
Headspace in VOA Vials (>6mm):	☐ Yes ☐ No ☒ N/A	15.
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	16.
Trip Blank Custody Seals Present	☐ Yes ☐ No ☒ N/A	
Pace Trip Blank Lot # (if purchased):	N/A	

Client Notification/ Resolution:

Field Data Required? Y / N / N/A

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: VH

Date: 12/7/09

Samples Intact
(Y/N)