

INITIAL ABATEMENT ACTION REPORT

TT-2953

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

FEBRUARY 9, 2010

**NAVY CONTRACT NO. N40085-09-D-3235
CATLIN PROJECT NO. 209112.04**

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1.0 SITE INFORMATION

1.1 SITE IDENTIFICATION

Date of Report: February 9, 2010
Facility I.D.: Not Applicable UST Incident Number (if known): Pending
Site Name: TT-2953
Site Street Address: TT-2953 Saipan Drive
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' 13.65" N Longitude: 77° 22' 40.65" 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

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

Groundwater Analytical Laboratory: SGS North America, Inc. (SGS)
State Certification No.: 481
Address: 5500 Business Drive; Wilmington, NC 28405
Phone: 910-350-1903

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 29, 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, Jeffery K. Becken, 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 Underground Storage Tank (UST) was an inactive home heating oil tank previously used to store #2 Heating Oil for on-site use and was removed by TMS. 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 10.5 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 French Creek and is approximately 400 feet north of the site. Groundwater flow direction in the surficial aquifer is assumed to flow north toward the unnamed tributary. 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.

A Risk Classification and Land Use Form is included in Appendix A which will allow the North Carolina Department of Environment and Natural Resources (NCDENR) to formally assign a Risk Classification and a Land Use designation for the subject site.

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 29, 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.

According to TMS, a mix of sandy/clayey soils around the UST revealed petroleum odor and elevated Photo Ionization Detector (PID) readings. The 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 B. One UST closure soil sample (TT-2953-B-11.8) was collected beneath the bottom of the tank at approximately 11.8 feet BLS. The TT-2953-B-11.8 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). A *Site Investigation Report for Permanent Closure or Change-in-Service of UST (UST-2)* form is included in Appendix C.

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. According to TMS personnel, 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. According to TMS personnel, 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 or restricted by surficial structures. Overall excavation limits measured 25 feet by 15 feet by 11.8 feet deep. Groundwater was encountered during soil excavation activities at approximately 10.5 feet BLS. The excavation limits are illustrated on Figure 2.

5.3 CONFIRMATION SOIL SAMPLING

During the UST excavation, undisturbed sidewall soils from approximately five (5) feet BLS were obtained by TMS personnel 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 D. The four (4) excavation confirmation sidewall samples (TT-2953-1, TT-2953-2, TT-2953-3, and TT-2953-4) 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. As previously mentioned, the bottom soil sample (TT-2953-B-11.8) was collected at 11.8 feet BLS which was reportedly within the water table.

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 D), 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 GROUNDWATER INVESTIGATION

A qualified driller registered in the State of North Carolina and a project level geologist installed the boring for temporary monitoring well construction. The temporary well TT2953-TW01 was designed and constructed in accordance with accepted standards and practices. The well was installed, sampled and abandoned under applicable State of North Carolina licensing and documentation requirements.

Well Installation

CATLIN personnel and equipment mobilized to the site on January 13, 2010. Boring advancement for temporary well installation was conducted at the site by hollow stem auger techniques. Soil samples were continuously collected for visual/manual classification utilizing the Unified Soil Classification System (USCS). After classifying soil samples, the cuttings were containerized in a Department of Transportation (DOT) approved 55-gallon drum.

Following TT2953-TW01 boring termination at 15 feet BLS, a 14 feet deep temporary well was installed using a five (5) foot long piece of one-inch diameter Poly Vinyl Chloride (PVC) well screen (0.010-inch slot) with a 10 foot long piece of one-inch diameter PVC riser extending approximately one (1) foot above the ground surface. The annular space was filled with medium sand pack from the bottom of the well to approximately five (5) feet above the well screen and then bentonite chips to within two (2) feet of the ground surface. The bentonite chips were poured from the surface while simultaneously pouring water to facilitate hydration.

Groundwater Sampling

On January 18, 2010 CATLIN personnel returned to the site and approximately three (3) gallons of purge water were removed from the well utilizing new polyethylene tubing and a low-flow peristaltic pump. Purge water was containerized in a DOT approved 55-gallon drum. A groundwater sample was then pumped directly into the new, appropriately labeled glassware provided by the laboratory and placed on ice in an insulated cooler. The groundwater sample was transported to SGS and submitted for Risk-Based analysis per EPA Methods 602 and 625 and MADEP EPH and VPH following chain-of-custody protocol (see attached following the SGS laboratory report).

Upon collection of the groundwater sample, the well materials were removed from the borehole and then bentonite chips and water were poured into the borehole simultaneously to facilitate bentonite hydration. The well construction and abandonment information is provided on the Well Construction Record and Well Abandonment Record found in Appendix E. The temporary well and groundwater sample location is illustrated on Figure 2.

7.0 RESULTS

Soil Results

The complete laboratory analytical reports are attached and the summarized results are provided on Tables 4 through 6. Soil sample locations are illustrated on Figure 2. The TT-2953-B-11.8 soil sample results are provided; but, soils at 11.8 feet BLS are not considered vadose zone and results may be reflective of groundwater impacts.

The TPH DRO and GRO results are summarized on Table 4. The TT-2953-1 soil sample revealed TPH GRO and DRO concentrations at 6.0 milligrams per kilogram (mg/kg) and 95.2 mg/kg, respectively. The TT-2953-B-11.8 soil sample revealed 17.9 mg/kg GRO and 562 mg/kg DRO. All other TPH sample results were below the laboratory reporting limits.

The laboratory results per EPA Methods 8260 and 8270 are summarized on Table 5. No EPA Method 8260 or 8270 parameters were detected above the lowest corresponding MSCC in the excavation confirmation sidewall samples (TT-2953-1 through TT-2953-4). The TT-2953-B-11.8 soil sample revealed numerous compound concentrations above the laboratory reporting limits but none of which were above the established Residential Maximum Soil Contaminant Concentrations (MSCCs). However, there are no established MSCCs for p-Isopropyltoluene or 1-Methylnaphthalene, which were detected at concentrations of 889 micrograms per kilogram (ug/kg) and 4,900 ug/kg, respectively. A comparison of the 1-Methylnaphthalene concentration to the standards for the similar compound 2-Methylnaphthalene indicated compliance with the 2-Methylnaphthalene Residential MSCC of 63,000 ug/kg. Also, p-Isopropyltoluene and 1-Methylnaphthalene are naturally occurring Aromatic organic compounds with the molecular formula C₁₀....

A standards comparison can be made with the C9-C22 Aromatic hydrocarbon fraction since both structures are based on the Aromatic Benzene ring and there are ten carbon atoms in the compounds. The detected p-Isopropyltoluene and 1-Methylnaphthalene concentrations of 889 ug/kg and 4,900 ug/kg, respectively are both below the C9-C22 Aromatic hydrocarbon fraction Soil-to-Groundwater (lowest) MSCC of 31,000 ug/kg.

The MADEP EPH and VPH laboratory results are summarized on Table 6. No MADEP EPH or VPH concentrations were detected above the lowest corresponding MSCC except in the TT-2953-B-11.8 sample. The TT-2953-B-11.8 sample revealed concentrations of the C9-C18 Aliphatics and C9-C22 Aromatics hydrocarbon fractions at concentrations of 1,076.9 mg/kg and 418.4 mg/kg, respectively. The C9-C18 Aliphatics and C9-C22 Aromatics results are above their respective Soil-to-Groundwater (STGW) MSCCs of 540 mg/kg and 31 mg/kg, but below the Residential MSCCs.

Groundwater Results

The complete laboratory analytical reports are attached in Appendix D and summarized results are provided on Tables 7 and 8.

The TT2953-TW01 groundwater sample did not reveal any compound concentrations greater than the established Gross Contaminant Levels (GCLs). Naphthalene was reported at 19.7 micrograms per liter (ug/L), which is above the current North Carolina Administrative Code (NCAC) T15A:02L Groundwater Quality Standard (2L GWQS) of 6 ug/L. The C9-C22 Aromatics hydrocarbon fractions were detected at a concentration of 627 ug/L which is above the 2L GWQS of 200 ug/L. There are no established GCLs for MADEP EPH/VPH. No other compound concentrations were detected above the current 2L GWQSs.

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 the UST excavation measuring 25 feet by 15 feet by 11.8 feet deep (163.89 cubic yards), roughly 161.11 cubic yards or 241.67 tons of soil were removed during UST TT-2953 closure and excavation activities.

8.0 CONCLUSION AND RECOMMENDATIONS

A non-commercial, non-regulated 550-gallon home heating oil UST at TT-2953 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. Approximately 163.89 cubic yards of soil

were removed during the recent, over-excavation/remediation efforts at the UST location. Excavation confirmation sidewall soil samples (four) did not reveal any contaminant concentrations above the lowest corresponding MSCCs. The excavation floor sample (TT-2953-B-11.8) revealed several compounds at concentrations above the established STGW MSCCs; however, the TT-2953-B-11.8 sample was collected from saturated soils beneath the water table and are not considered indicative of vadose zone soils. Soils at 11.8 feet BLS are not considered a potential secondary source of groundwater contamination or prohibitive of No Further Action status.

Groundwater sample results from the temporary monitoring well TT2953-TW01 sample indicated all compound concentrations below the established GCLs. Naphthalene and the C9-C22 Aromatics hydrocarbon fraction concentrations were reported in the TT2953-TW01 groundwater sample above the current corresponding 2L GWQSs.

Based on the information provided within this report; it is CATLIN's opinion that the intent of the requirements of a Limited Site Assessment (LSA) Report have been met and thus is not required. Therefore, the TT-2953 site should be considered a Low Risk site with the Residential MSCCs being applicable for soil cleanup and the GCLs for groundwater. Based on the recent Risk-Based soil and groundwater sampling, this site meets the criteria for No Further Action (NFA) status with the implementation of a groundwater Notice of Residual Petroleum (NRP) because groundwater contaminants are present above the 2L GWQS at the site. Following NRP recordation with the Onslow County Register of Deeds, the site should fulfill the requirements for NFA status.

9.0 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-2953 - Pending

UST ID Number	Name of Owner or Operator	Dates of Ownership/Operation	Owner or Operator?
TT-2953	Commanding Officer Marine Corps Base Camp Lejeune, NC	Unknown to 12/29/2009	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-2953 - 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-2953	Heating Oil	Heating Oil	550	Unknown Steel	4' x 6'	Copper	Unknown	Removed - 12/29/2009	Yes (assumed)

TABLE 3

PUBLIC AND PRIVATE WATER SUPPLY WELL AND OTHER RECEPTOR INFORMATION

Incident Name and No.: TT-2953 - Pending

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

ft. BLS = feet below land surface

Receptor ID	Description	Location	Contact	Phone Number	Usage	Up or Down Gradient	Distance from source area of release (ft.)
Surface Water	Unnamed Stream	North	Commanding Officer PSC 20004 MCB, Camp Lejeune, 28542	(910) 451-5068	None	Down Gradient (Assumed)	400

TABLE 4
SUMMARY OF SOIL LABORATORY RESULTS
EPA METHOD 8015

Incident Name and No.: TT-2953 - Pending

Sample ID	Contaminant of Concern →		Gasoline Range Organics	Diesel Range Organics
	Date Collected	Sample Depth (ft. BLS)		
TT-2953-1	12/29/2009	5	6.0	95.2
TT-2953-2	12/29/2009	5	<4.9	<5.8
TT-2953-3	12/29/2009	5	<5.3	<6.3
TT-2953-4	12/29/2009	5	<5.6	<6.5
TT-2953-B-11.8	12/30/2009	11.8	17.9	562
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

Bold results indicate concentrations above the NCDENR Action Level.

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

Incident Name and No.: TT-2953 - Pending

Sample ID	Analytical Method →		EPA Method 8260									EPA Method 8270					
	Contaminant of Concern →		n-Butylbenzene	sec-Butylbenzene	p-Isopropyltoluene	Naphthalene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylenes	All Other EPA Method 8260 Parameters*	Fluorene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	All Other EPA Method 8270 Parameters*
	Date Collected	Sample Depth (ft. BLS)															
TT-2953-1	12/29/2009	5	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<8.5	BRL	<410	<410	<410	<410	<410	BRL
TT-2953-2	12/29/2009	5	<10	<10	<10	<10	<10	<10	<10	<19.9	BRL	<400	<400	<400	<400	<400	BRL
TT-2953-3	12/29/2009	5	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<8.7	BRL	<410	<410	<410	<410	<410	BRL
TT-2953-4	12/29/2009	5	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<9.2	BRL	<430	<430	<430	<430	<430	BRL
TT-2953-B-11.8	12/30/2009	11.8	771	561	889	1,530	365	3,330	1,000	756	BRL	980	4,900	6,100	1,300	1,400	BRL
Residential MSCC (ug/kg)			626,000	626,000	NE	313,000	626,000	782,000	782,000	3,129,000	Varies	620,000	NE	63,000	313,000	469,000	Varies
Industrial/Commercial MSCC (ug/kg)			16,350,000	16,350,000	NE	8,176,000	16,350,000	20,440,000	20,440,000	81,760,000	Varies	16,400,000	NE	1,635,000	8,176,000	12,264,000	Varies
Soil to Groundwater MSCC (ug/kg)			4,300	3,300	NE	160	1,700	8,500	8,300	4,600	Varies	47,000	NE	3,600	160	56,000	Varies

All results in micrograms per kilogram (ug/kg).
Bold results indicate concentrations above lowest MSCC.
ft. BLS = Feet Below Land Surface
MSCC = Maximum Soil Contaminant Concentration
BRL = Below Reporting Limit
< = Less than reporting limit
NE = None Established
*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-2953 - 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-2953-1	12/29/2009	5	17 J	17 J	3.7 J	<9.5	<9.5	<9.5	<9.5	<26.5 J*	17 J	<13.2 J*
TT-2953-2	12/29/2009	5	<0.5	<0.3	<0.4	<8.1	<8.1	<8.1	<8.1	<8.6	<0.3	<8.5
TT-2953-3	12/29/2009	5	<0.6	<0.3	<0.4	<8.9	<8.9	<8.9	<8.9	<9.5	<0.3	<9.3
TT-2953-4	12/29/2009	5	<0.6	<0.3	<0.4	<10.2	<10.2	<10.2	<10.2	<10.8	<0.3	<10.6
TT-2953-B-11.8	12/30/2009	11.8	1,000	320	400	<9.9	76.9	18.4	<9.9	1,076.9	320	418.4
Residential MSCC (mg/kg)									939	1,500	31,000	469
Industrial/Commercial MSCC (mg/kg)									24,528	40,000	810,000	12,264
Soil to Groundwater MSCC (mg/kg)									68	540	#	31

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

Bold results indicate concentrations above lowest MSCC.

ft. BLS = Feet Below Land Surface

< = Less than reporting limit

MSCC = Maximum Soil Contaminant Concentration

= Health-Based Level (>100%)

J = Estimated concentration, below calibration range and above MDL

* = The value represents the sum of the reported practical quantitation limit of one fraction and the detected concentration of the other fraction.

TABLE 7
SUMMARY OF GROUNDWATER LABORATORY RESULTS
EPA METHODS 602 AND 625

Incident Name and No.: TT-2953 - Pending

Well ID	Analytical Method →		EPA Method 602				EPA Method 625				
	Contaminant of Concern →		Benzene	Ethylbenzene	Total Xylenes	All other EPA Method 602 Compounds*	Acenaphthene	Fluorene	Naphthalene	Phenanthrene	All other EPA Method 625 Compounds*
	Date Collected	Sample ID									
TT2953-TW01	1/18/2010	TT2953-TW01	0.811 J	8.50	21.94	BMDL	1.20 J	2.58 J	19.7	1.61 J	BMDL
GCL (ug/L)			5,000	84,500	85,500	Varies	2,120	990	6,000	410	Varies
2L GWQS (ug/L)			1	600	500	Varies	80	300	6	200	Varies

All results in micrograms per liter (ug/L).

Bold results indicate concentrations above 2L GWQS or GCL.

Gross Contaminant Levels (GCL) and NCAC T15A:02L Groundwater Quality Standards (2L GWQS) effective January 2010.

BMDL = Below Method Detection Limit

J = Estimated concentration, below calibration range and above method detection limits (MDLs)

* = Refer to analytical report for a complete list of compounds and MDLs.

TABLE 8
SUMMARY OF GROUNDWATER LABORATORY RESULTS
MADEP EPH AND VPH

Incident Name and No.: TT-2953 - 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	Well ID										
TT2953-TW01	1/18/2010	TT2953-TW01	<100	<100	293	<100	105	334	<100	<205*	<100	627
GCL (ug/L) 2L GWQS (ug/L)									NE 400	NE 700	NE 10,000	NE 200

All results in micrograms per liter (ug/L).

Gross Contaminant Levels (GCL) and NCAC T15A:02L Groundwater Quality Standards (2L GWQS) effective January 2010.

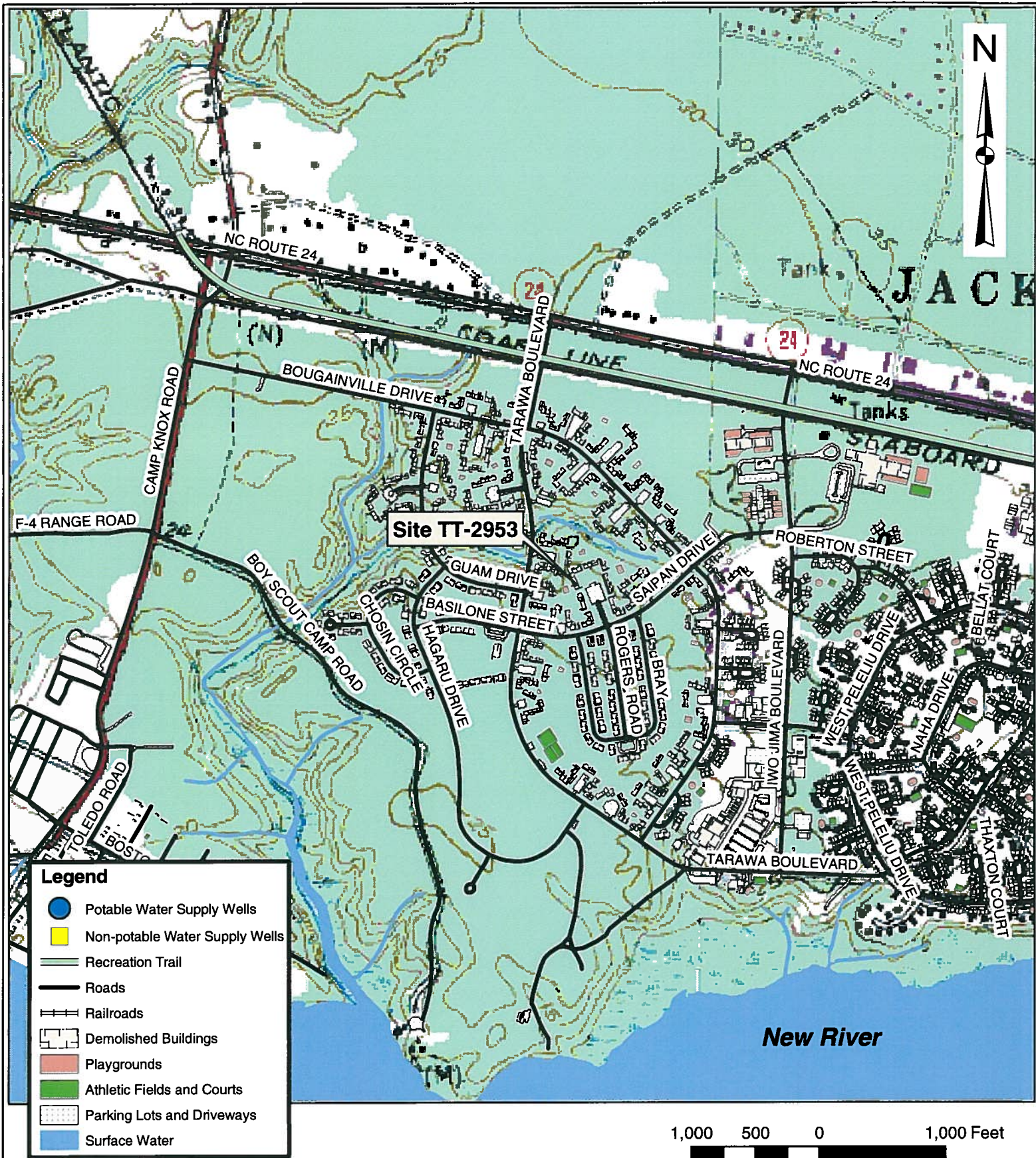
< = Less than reporting limit

NE = None Established

Bold results indicate concentrations above 2L GWQS or GCL.

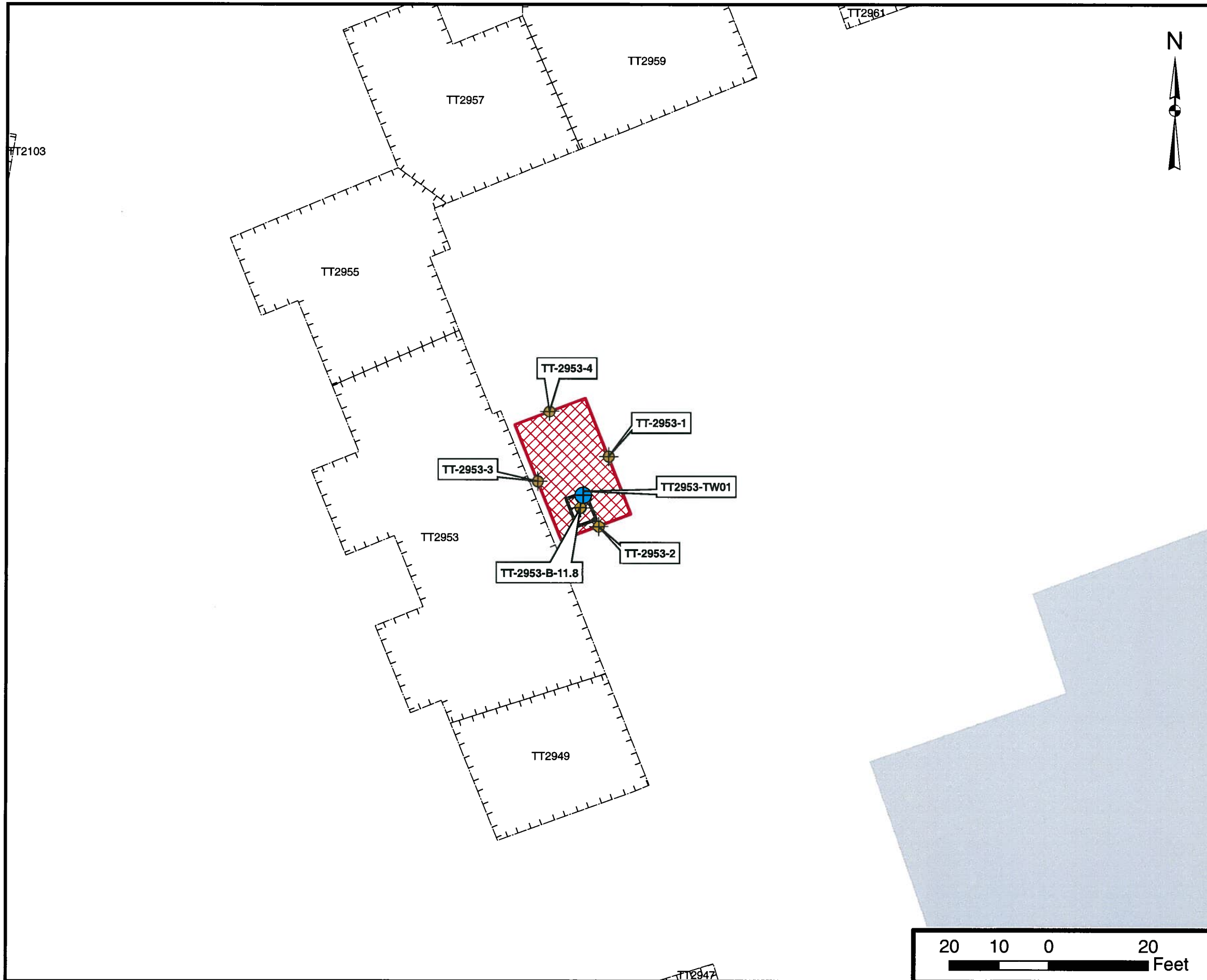
* = The value represents the sum of the reported practical quantitation limit of one fraction and the detected concentration of the other fraction.

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-2953 IAA REPORT MARINE CORPS BASE CAMP LEJEUNE, NC		TITLE USGS TOPOGRAPHIC SITE VICINITY MAP			FIGURE
	JOB NO. 209112.04	DATE FEB 2010	SCALE AS SHOWN	DRAWN BY SAC	CHECKED BY MDM	1



**SITE TT-2953
IAA REPORT
MARINE CORPS BASE
CAMP LEJEUNE, NC**



LEGEND

- | | |
|-------------------------|-------------------------------------|
| Tank Excavation Area | Demolished Buildings and Structures |
| Former UST | Slabs |
| Soil Sample Locations | Driveways |
| Temporary Well Location | Roads |
| | Woods |

NOTES

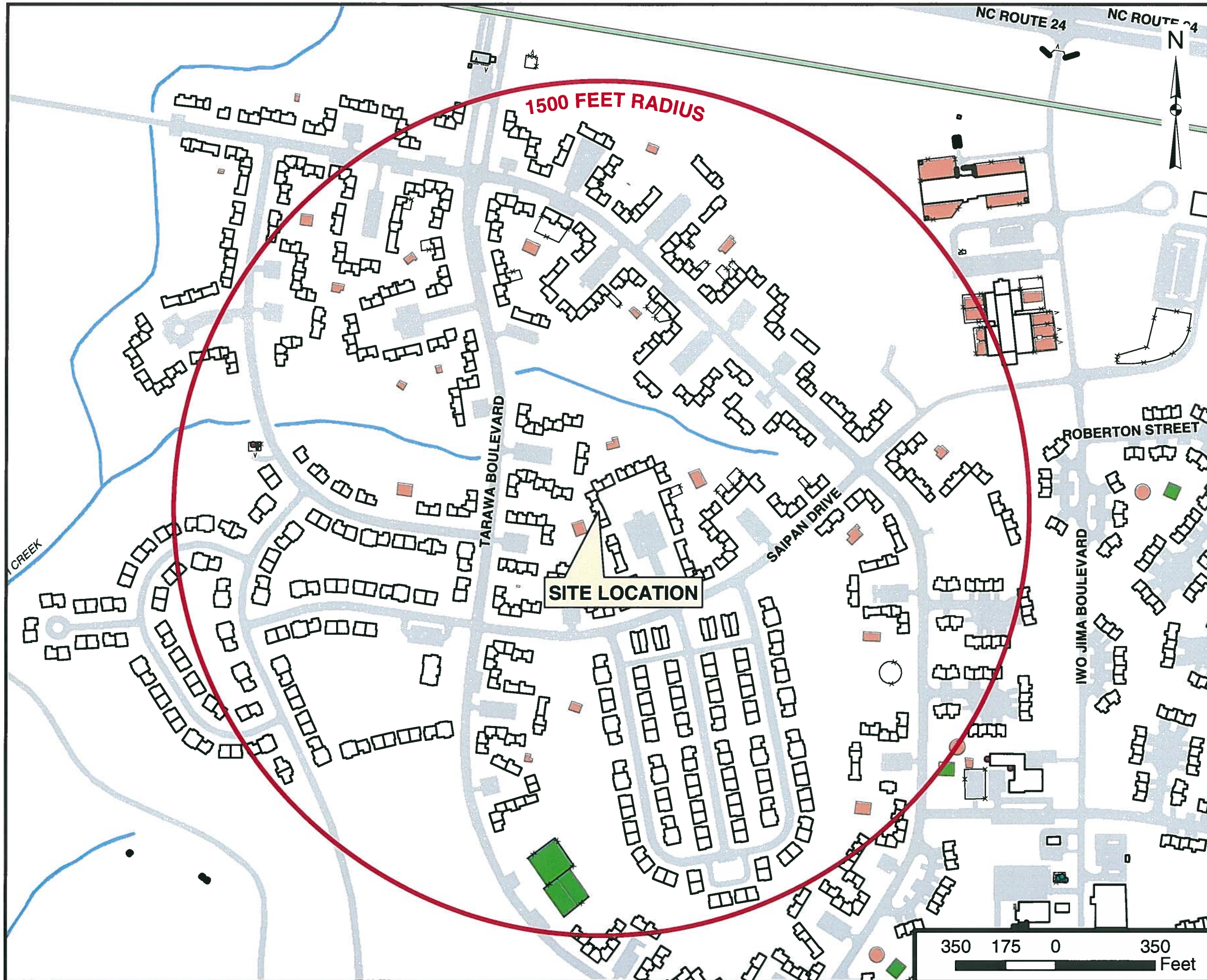
1. Data layers provided by MCB Camp Lejeune GIS office.
2. Excavation dimensions were approximately 25 feet by 15 feet by 11.8 feet deep.
3. Tank location, excavation boundary and soil sample locations based on site sketch provided by TMS personnel.



**SITE MAP WITH SOIL
AND GROUNDWATER
SAMPLE LOCATIONS**

FIGURE
2

Job No.: 209112.04	Date: FEB 2010	Scale: AS SHOWN	Drawn By: SAC	Checked By: MDM
-----------------------	-------------------	--------------------	------------------	--------------------



**SITE TT-2953
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.: 209112.04	Date: JAN 2010	Scale: AS SHOWN	Drawn By: SAC	Checked By: MDM
-----------------------	-------------------	--------------------	------------------	--------------------

APPENDICES

APPENDIX A

RISK CLASSIFICATION AND LAND USE FORM

NCDENR Risk Classification and Land Use Form

Part I - Groundwater/Surface Water/Vapor Impacts

High Risk

1. *Has the release contaminated any water supply well including any used for non-drinking purposes?* YES NO

No information provided indicates a water supply well has been contaminated as a result of the release from the project site.

2. *Is a water supply well used for drinking water located within 1,000 feet of the source area of the discharge or release?* YES NO

There is no water supply well located within 1,000 feet of the source area of the release (refer to Figures 1 and 3).

3. *Is a water supply well not used for drinking water (e.g., irrigation, washing cars, industrial cooling water, filling swimming pools) located within 250 feet of the source area of the release?* YES NO

There is no water supply well used for non-drinking water purposes located within 250 feet of the source area of the release (refer to Figures 1 and 3).

4. *Does groundwater within 500 feet of the source area of the release have the potential for future use (there is no other source of water supply other than the groundwater)?* YES NO

Currently MCB Camp Lejeune has several locations for potential water supply wells that are greater than 500 feet from the potential source area (refer to Figure 1).

5. *Do vapors from the release pose a threat of explosion because of accumulation of the vapors in a confined space or pose any other serious threat to public health, public safety or the environment?* YES NO
If YES describe.

No evidence of vapor accumulation has been reported.

6. *Are there any other factors that would cause the discharge or release to pose an imminent danger to public health, public safety, or the environment?* YES NO
If YES describe.

A review of data collected during this investigation does not provide evidence to suggest other factors that would cause the discharge or release to pose an imminent danger to public health, public safety, or the environment.

Intermediate Risk

7. *Is a surface water body located within 500 feet of the source area of the discharge or release?* YES NO

Yes, the nearest mapped surface water body (unnamed tributary of French Creek) is located approximately 400 feet towards the north (see Figures 1 and 3).

If YES, does the maximum groundwater contaminant concentration exceed the surface water quality standards and criteria found in 15A NCAC 2B.0200 by a factor of 10?

8. *Is the source area of the discharge or release located within an approved or planned wellhead protection area as defined in 42 USC 300h-7(e)?* YES NO
If YES describe. YES NO

Wellhead protection areas defined by 42 USC 300h-7(e) have not, as of this time, been designated by the State. However, MCB Camp Lejeune has identified wellhead protection areas on the base. Based on the most recent Wellhead Protection Plan – 2002 Update, the potential source area is not located within a proposed wellhead protection area.

9. *Is the release located in the Coastal Plain physiographic region as designated on a map entitled "Geology of North Carolina" published by the Department in 1985?* YES NO

As identified in the Geologic Map of North Carolina (North Carolina Department of Natural Resources and Community Development 1985), the subject site lies within the Coastal Plain Physiographic Province.

If YES, is the source area of the release located in an area in which there is recharge to an unconfined or semi-confined deeper aquifer that is being used or may be used as a source of drinking water? YES NO
If YES describe

The potential source area is located just above an apparent unconfined surficial groundwater aquifer. While there is the potential for recharge by rainfall to the unconfined surficial aquifer at the Base, the surficial aquifer is not used for water supply aboard MCB, Camp Lejeune. Groundwater obtained from the Castle Hayne Aquifer is the raw water source for MCB Camp Lejeune potable water treatment facilities.

10. *Do the levels of groundwater contamination for any contaminant exceed the gross contamination levels (GCLs) established by the Department?* YES NO

Surficial groundwater samples from a temporary site monitoring well were analyzed per EPA Method 602 + MTBE + Xylenes, EPA Method 625 + TICs and MADEP VPH/EPH parameters. A review of laboratory analysis results indicates no subject analyte concentrations were detected in excess of applicable GCLs.

Part II - Land Use

Property Containing Source Area of Release

The questions below pertain to the property containing the source area of the release.

1. *Does the property contain one or more primary or secondary residences (permanent or temporary)?* **YES** **NO**
Describe.

Former Building TT-2953 (which has been demolished) was a permanent residence. New permanent residences are being constructed in the immediate vicinity of the former building.

2. *Does the property contain a school, daycare center, hospital, playground, park, recreation area, church, nursing home, or other place of public assembly?* **YES** **NO**
Describe.

The area of former Building TT-2953 does not contain a place of public assembly.

3. *Does the property contain a commercial (e.g., retail, warehouse, office/business space, etc.) or industrial (e.g., manufacturing, utilities, industrial research and development, chemical/petroleum bulk storage, etc.) enterprise, an inactive commercial or industrial enterprise, or is the land undeveloped?* **YES** **NO**
Describe.

The project site is located within the Tarawa Terrace residential housing area of MCB Camp Lejeune.

4. *Do children visit the property?* **YES** **NO**
Explain.

Children may live at the new residences being constructed in the immediate vicinity of former Building TT-2953.

Is access to the property reliably restricted consistent with its use (e.g., by fences, security personnel or both)? **YES** **NO**
Explain.

The project site is located within the MCB, Camp Lejeune which restricts access to base personnel and their families. However, there are no additional restrictions to gain access to the site area.

5. *Do pavement, buildings, or other structures cap the contaminated soil?* **YES** **NO**
Describe.

As previously stated, new residences are being constructed in the area; therefore, the area may be capped by a structure foundation or parking area.

If YES, what mechanisms are in place or can be put into place to ensure that the contaminated soil will remain capped in the foreseeable future?

If a structure is built in the area it would act as a cap to prevent possible exposure to residual soil contaminants (if present).

6. *What is the zoning status of the property?*

The MCB Camp Lejeune is not subject to local or county-zoning requirements; however, the project site is located within the Tarawa Terrace residential housing area.

7. *Is the use of the property likely to change in the next 20 years?* YES NO
Explain.

The current use of the local MCB Camp Lejeune area is not likely to change in the near future.

Property Surrounding Source Area of Release

The questions below pertain to the area within 1,500 feet of the source area of the release (excludes property containing source area of the release): See Figure 1

1. *What is the distance from the source area of the release to the **nearest** primary or secondary residence (permanent or temporary)?*

The project site is a permanent residence.

2. *What is the distance from the source area of the release to the **nearest** school, daycare center, hospital, playground, park, recreation area, church, nursing home or other place of public assembly?*

The nearest place of public assembly appears to be a playground approximately 100 feet southwest of the subject site. However, as the entire area is being redeveloped with new residential housing units the locations of community playgrounds may change.

3. *What is the zoning status of properties in the surrounding area?*

As previously stated, MCB Camp Lejeune is not subject to local or county-zoning requirements; however, the use of the project site is considered Residential in nature.

4. *Briefly characterize the use and activities of the land in the surrounding area.*

The project site is located within the Tarawa Terrace residential housing area of MCB Camp Lejeune.

APPENDIX B

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) _____ Confirmed GW Contamination? (Y/N) _____ Confirmed Soil Contamination? (Y/N) _____ Samples Taken? (Y/N) _____ Free Product? (Y/N) _____ If Yes, State Greatest Thickness _____ Facility ID Number _____ Date Leak Discovered <u>12/29/09</u> Comm/Non-Commercial? _____ Reg/Non-regulated? _____		
INCIDENT DESCRIPTION			
Incident Name: TT-2953 Excavation			
Address: TT-2953 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' 13.65"N Longitude (decimal degrees): 77 22' 40.65"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. Found during land development by construction			
contractor. Environmental contractor removed UST and			
excavated. Groundwater was encountered, therefore soil and			
groundwater samples collected. IAA Report to follow.			
Obtained by: ☐ GPS ☐ Topographic map ☒ GIS Address matching ☐ Other ☐ Unknown Describe location:			
HOW RELEASE WAS DISCOVERED (Release Code)			
(Check one)			
☐ Release Detection Equipment or Methods ☐ During UST Closure/Removal ☒ Property Transfer			
☐ Visual/Odor ☐ Water in Tank ☐ Water Supply Well Contamination			
☐ Groundwater Contamination ☐ Surface Water Contamination ☐ Other (specify) _____			
SOURCE OF CONTAMINATION			
Source of Release (Check one to indicate primary source)	Cause of Release (Check one to indicate primary cause)	Type of Release (Check one)	Product Type Released (Check one to indicate primary product type released)
☐ Tank ☐ Piping ☐ Dispenser ☐ Submersible Turbine Pump ☐ Delivery Problem ☐ Other ☒ Unknown	☐ Spill ☐ Overfill ☐ Corrosion ☐ Physical or Mechanical Damage ☐ Install Problem ☐ Other ☒ Unknown	☒ Petroleum ☐ Non-Petroleum ☐ Both Location (Check one) ☐ Facility ☒ Residence ☐ Other	☐ Gasoline/ Diesel/ Kerosene ☒ Heating Oil ☐ Other Petroleum Products ☐ Metals ☐ Other Inorganics ☐ Other Organics ☐ Diesel/Veg. Oil Blend ☐ Vegetable Oil 100% ☐ E10 – E20 ☐ E21 – E84 ☐ E85 – E99 ☐ Ethanol 100% ☐ E01 – E09
Definitions presented on reverse		Definitions presented on reverse	
Ownership 1. Municipal 2. <u>Military</u> 3. Unknown 4. Private 5. Federal 6. County 7. State			
Operation Type 1. Public Service 2. Agricultural 3. <u>Residential</u> 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

Person Reporting Incident Bruce Markwick	Company Environmental Management Division	Telephone Number 910 451-9660
Title Environmental Protection Specialist	Address Bldg 12 Post Lane	Date 02/02/2010

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)

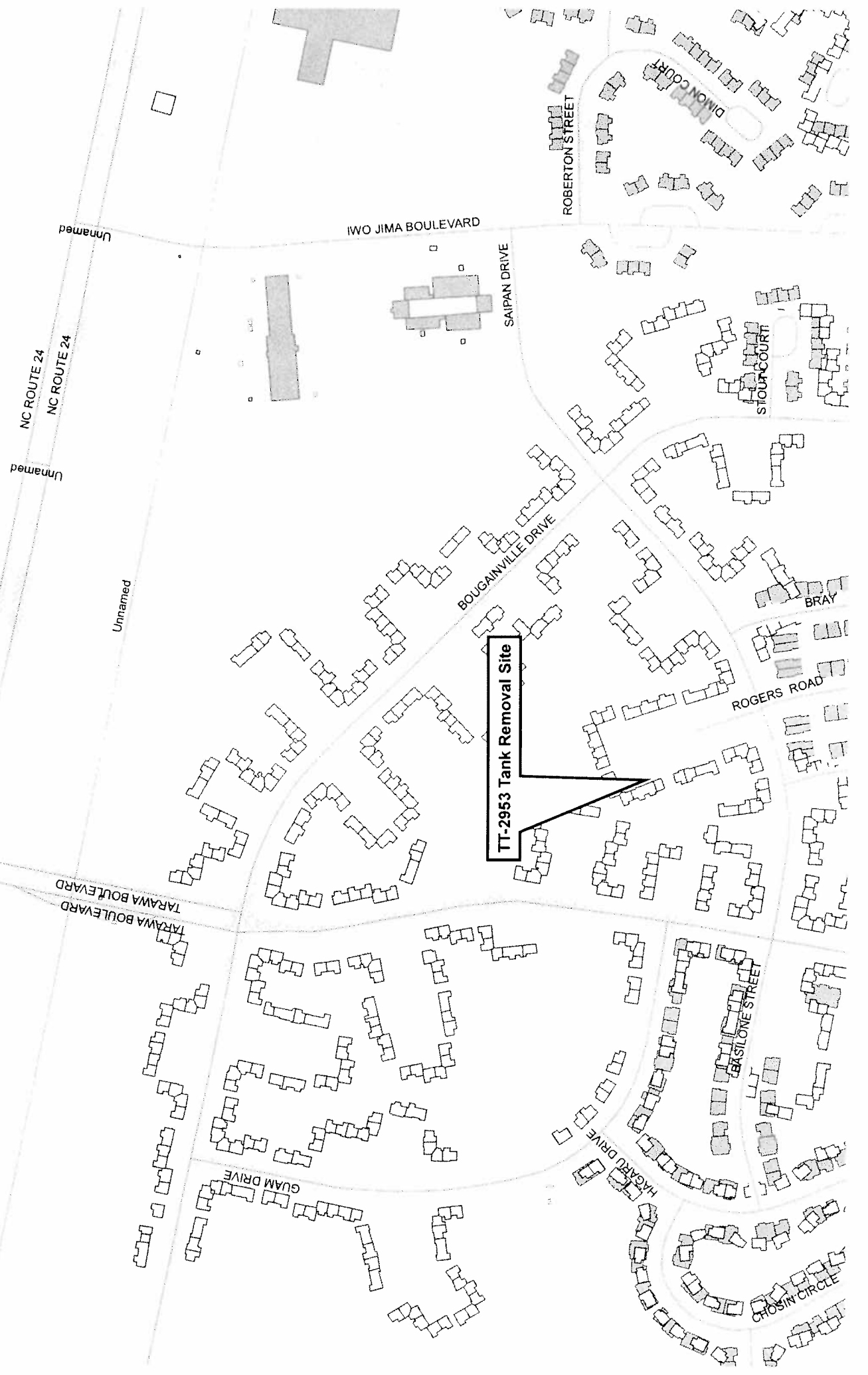
Physical or Mechanical Damage: use for all types of physical or mechanical damage, except corrosion (e.g., puncture of tank or piping, loose fittings, broken components, and components that have changed dimension)

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-2953 Tank Removal Site

APPENDIX C

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.wastenotinc.org.

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

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

I. OWNERSHIP OF TANKS				II. LOCATION OF TANKS			
Owner Name (Corporation, Individual, Public Agency, or Other Entity) Commanding Officer Marine Corps Base				Facility Name or Company Tarawa Terrace Housing			
Street Address PSC 20004				Facility ID # (If known) N/A			
City MCB Camp Lejeune		County Onslow		Street Address TT-2953 Tarawa Terrace Blvd			
State NC		Zip Code 28542-0004		City MCB Camp Lejeune		County Onslow	Zip Code 28542
Phone Number 910-451-5068				Phone Number None			

III. CONTACT PERSONNEL

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

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	12/29/09	See Above	☒	☐	☐	☒	☒	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐

VII. EXCAVATION CONDITION

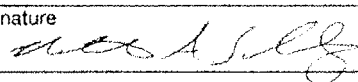
* If the tank owner address is different from the one listed in Section I., then enter the street address, city, state, zip code and telephone no. below:

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
Nick Schultz, MCB Camp Lejeune Environmental Engineer

Signature



Date Signed
2/2/2010

APPENDIX D

LABORATORY REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION

January 11, 2010

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

RE: Project: TT-2 Tank Yank
Pace Project No.: 9260576

Dear Rob Finley:

Enclosed are the analytical results for sample(s) received by the laboratory on January 04, 2010. 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,



Erin Waters for
Ashley Nifong
ashley.nifong@pacelabs.com
Project Manager

Enclosures

cc: Mr. Jeff Becken, Catlin Engineers & Scientists
Mike Rohrer, MEC Corp.

REPORT OF LABORATORY ANALYSIS

Page 1 of 60

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CERTIFICATIONS

Project: TT-2 Tank Yank

Pace Project No.: 9260576

Charlotte Certification IDs

Connecticut Certification #: PH-0104

9800 Kinsey Ave. - Ste 100 Huntersville, NC 28078

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

West Virginia Certification #: 357

Florida/NELAP Certification #: E87627

REPORT OF LABORATORY ANALYSIS

Page 2 of 60

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SAMPLE ANALYTE COUNT

Project: TT-2 Tank Yank
Pace Project No.: 9260576

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9260576001	TT-2953-1	EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
9260576002	TT-2953-2	EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
9260576003	TT-2953-3	EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
9260576004	TT-2953-4	EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
9260576005	TT-2953-B-11.8	EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
9260576006	TT-2995-1	EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
9260576007	TT-2995-2	EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
9260576008	TT-2995-3	EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C

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SAMPLE ANALYTE COUNT

Project: TT-2 Tank Yank
Pace Project No.: 9260576

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9260576009	TT-2995-4	MADEP VPH	DHW	5	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
		EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
9260576010	TT-2995-B-7	EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
		EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8260	DLK	71	PASI-C
9260576011	TT-2590-1	ASTM D2974-87	TNM	1	PASI-C
		EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
9260576012	TT-2590-2	EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
		EPA 8015 Modified	RES	2	PASI-C
9260576013	TT-2590-3	EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
		EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
9260576014	TT-2590-4	MADEP VPH	DHW	5	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	JMM	1	PASI-C
		EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
9260576015	TT-2590-B-8	EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	JMM	1	PASI-C
		EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8260	DLK	71	PASI-C

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SAMPLE ANALYTE COUNT

Project: TT-2 Tank Yank

Pace Project No.: 9260576

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9260576016	TT-2594-1	ASTM D2974-87	JMM	1	PASI-C
		EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8260	DLK	71	PASI-C
9260576017	TT-2594-2	ASTM D2974-87	JMM	1	PASI-C
		EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8260	DLK	71	PASI-C
9260576018	TT-2594-3	ASTM D2974-87	JMM	1	PASI-C
		EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8260	DLK	71	PASI-C
9260576019	TT-2594-4	ASTM D2974-87	JMM	1	PASI-C
		EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8260	DLK	71	PASI-C
9260576020	TT-2594-B-9	ASTM D2974-87	JMM	1	PASI-C
		EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8260	DLK	71	PASI-C
9260576021	TT-Stockpile #8	ASTM D2974-87	JMM	1	PASI-C
		EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		ASTM D2974-87	JMM	1	PASI-C

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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9260576

Sample: TT-2953-1 **Lab ID: 9260576001** Collected: 12/29/09 11:45 Received: 01/04/10 09:30 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	95.2	mg/kg	6.2	1	01/05/10 11:55	01/06/10 17:11	68334-30-5	
n-Pentacosane (S)	141	%	50-135	1	01/05/10 11:55	01/06/10 17:11	629-99-2	S5
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	6.0	mg/kg	5.6	1	01/06/10 13:02	01/08/10 19:00	8006-61-9	
4-Bromofluorobenzene (S)	126	%	50-135	1	01/06/10 13:02	01/08/10 19:00	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND	mg/kg	9.5	1	01/07/10 18:34	01/08/10 02:33		
Aliphatic (C09-C12)	ND	mg/kg	9.5	1	01/07/10 18:34	01/08/10 02:33		
Aromatic (C09-C10)	ND	mg/kg	9.5	1	01/07/10 18:34	01/08/10 02:33		
2,5-Dibromotoluene (PID)(S)	101	%	70-130	1	01/07/10 18:34	01/08/10 02:33		
2,5-Dibromotoluene (FID)(S)	127	%	70-130	1	01/07/10 18:34	01/08/10 02:33		
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND	ug/kg	84.8	1		01/05/10 14:51	67-64-1	
Benzene	ND	ug/kg	4.2	1		01/05/10 14:51	71-43-2	
Bromobenzene	ND	ug/kg	4.2	1		01/05/10 14:51	108-86-1	
Bromochloromethane	ND	ug/kg	4.2	1		01/05/10 14:51	74-97-5	
Bromodichloromethane	ND	ug/kg	4.2	1		01/05/10 14:51	75-27-4	
Bromoform	ND	ug/kg	4.2	1		01/05/10 14:51	75-25-2	
Bromomethane	ND	ug/kg	8.5	1		01/05/10 14:51	74-83-9	
2-Butanone (MEK)	ND	ug/kg	84.8	1		01/05/10 14:51	78-93-3	
n-Butylbenzene	ND	ug/kg	4.2	1		01/05/10 14:51	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.2	1		01/05/10 14:51	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.2	1		01/05/10 14:51	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.2	1		01/05/10 14:51	56-23-5	
Chlorobenzene	ND	ug/kg	4.2	1		01/05/10 14:51	108-90-7	
Chloroethane	ND	ug/kg	8.5	1		01/05/10 14:51	75-00-3	
Chloroform	ND	ug/kg	4.2	1		01/05/10 14:51	67-66-3	
Chloromethane	ND	ug/kg	8.5	1		01/05/10 14:51	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.2	1		01/05/10 14:51	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.2	1		01/05/10 14:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.2	1		01/05/10 14:51	96-12-8	
Dibromochloromethane	ND	ug/kg	4.2	1		01/05/10 14:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.2	1		01/05/10 14:51	106-93-4	
Dibromomethane	ND	ug/kg	4.2	1		01/05/10 14:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.2	1		01/05/10 14:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.2	1		01/05/10 14:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.2	1		01/05/10 14:51	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.5	1		01/05/10 14:51	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.2	1		01/05/10 14:51	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.2	1		01/05/10 14:51	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.2	1		01/05/10 14:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.2	1		01/05/10 14:51	156-59-2	

ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9260576

Sample: TT-2953-1 Lab ID: 9260576001 Collected: 12/29/09 11:45 Received: 01/04/10 09:30 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						
trans-1,2-Dichloroethene	ND	ug/kg	4.2	1		01/05/10 14:51	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.2	1		01/05/10 14:51	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.2	1		01/05/10 14:51	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.2	1		01/05/10 14:51	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.2	1		01/05/10 14:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.2	1		01/05/10 14:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.2	1		01/05/10 14:51	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.2	1		01/05/10 14:51	108-20-3	
Ethylbenzene	ND	ug/kg	4.2	1		01/05/10 14:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.2	1		01/05/10 14:51	87-68-3	
2-Hexanone	ND	ug/kg	42.4	1		01/05/10 14:51	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.2	1		01/05/10 14:51	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.2	1		01/05/10 14:51	99-87-6	
Methylene Chloride	ND	ug/kg	17.0	1		01/05/10 14:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	42.4	1		01/05/10 14:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.2	1		01/05/10 14:51	1634-04-4	
Naphthalene	ND	ug/kg	4.2	1		01/05/10 14:51	91-20-3	
n-Propylbenzene	ND	ug/kg	4.2	1		01/05/10 14:51	103-65-1	
Styrene	ND	ug/kg	4.2	1		01/05/10 14:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.2	1		01/05/10 14:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.2	1		01/05/10 14:51	79-34-5	
Tetrachloroethene	ND	ug/kg	4.2	1		01/05/10 14:51	127-18-4	
Toluene	ND	ug/kg	4.2	1		01/05/10 14:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.2	1		01/05/10 14:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.2	1		01/05/10 14:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.2	1		01/05/10 14:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.2	1		01/05/10 14:51	79-00-5	
Trichloroethene	ND	ug/kg	4.2	1		01/05/10 14:51	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.2	1		01/05/10 14:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.2	1		01/05/10 14:51	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.2	1		01/05/10 14:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.2	1		01/05/10 14:51	108-67-8	
Vinyl acetate	ND	ug/kg	42.4	1		01/05/10 14:51	108-05-4	
Vinyl chloride	ND	ug/kg	8.5	1		01/05/10 14:51	75-01-4	
Xylene (Total)	ND	ug/kg	8.5	1		01/05/10 14:51	1330-20-7	
m&p-Xylene	ND	ug/kg	8.5	1		01/05/10 14:51	1330-20-7	
o-Xylene	ND	ug/kg	4.2	1		01/05/10 14:51	95-47-6	
Dibromofluoromethane (S)	94	%	79-116	1		01/05/10 14:51	1868-53-7	
Toluene-d8 (S)	100	%	88-110	1		01/05/10 14:51	2037-26-5	
4-Bromofluorobenzene (S)	101	%	74-115	1		01/05/10 14:51	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	69-121	1		01/05/10 14:51	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	18.9 %	0.10	1	01/05/10 14:39
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9260576

Sample: TT-2953-2 **Lab ID:** 9260576002 **Collected:** 12/29/09 12:50 **Received:** 01/04/10 09:30 **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	01/05/10 11:55	01/06/10 17:40	68334-30-5	
n-Pentacosane (S)	66 %		50-135	1	01/05/10 11:55	01/06/10 17:40	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		4.9	1	01/06/10 13:02	01/08/10 19:25	8006-61-9	
4-Bromofluorobenzene (S)	116 %		50-135	1	01/06/10 13:02	01/08/10 19:25	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		8.1	1	01/07/10 18:34	01/08/10 02:58		
Aliphatic (C09-C12)	ND mg/kg		8.1	1	01/07/10 18:34	01/08/10 02:58		
Aromatic (C09-C10)	ND mg/kg		8.1	1	01/07/10 18:34	01/08/10 02:58		
2,5-Dibromotoluene (PID)(S)	107 %		70-130	1	01/07/10 18:34	01/08/10 02:58		
2,5-Dibromotoluene (FID)(S)	128 %		70-130	1	01/07/10 18:34	01/08/10 02:58		
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND ug/kg		199	1		01/05/10 15:09	67-64-1	
Benzene	ND ug/kg		10	1		01/05/10 15:09	71-43-2	
Bromobenzene	ND ug/kg		10	1		01/05/10 15:09	108-86-1	
Bromochloromethane	ND ug/kg		10	1		01/05/10 15:09	74-97-5	
Bromodichloromethane	ND ug/kg		10	1		01/05/10 15:09	75-27-4	
Bromoform	ND ug/kg		10	1		01/05/10 15:09	75-25-2	
Bromomethane	ND ug/kg		19.9	1		01/05/10 15:09	74-83-9	
2-Butanone (MEK)	ND ug/kg		199	1		01/05/10 15:09	78-93-3	
n-Butylbenzene	ND ug/kg		10	1		01/05/10 15:09	104-51-8	
sec-Butylbenzene	ND ug/kg		10	1		01/05/10 15:09	135-98-8	
tert-Butylbenzene	ND ug/kg		10	1		01/05/10 15:09	98-06-6	
Carbon tetrachloride	ND ug/kg		10	1		01/05/10 15:09	56-23-5	
Chlorobenzene	ND ug/kg		10	1		01/05/10 15:09	108-90-7	
Chloroethane	ND ug/kg		19.9	1		01/05/10 15:09	75-00-3	
Chloroform	ND ug/kg		10	1		01/05/10 15:09	67-66-3	
Chloromethane	ND ug/kg		19.9	1		01/05/10 15:09	74-87-3	
2-Chlorotoluene	ND ug/kg		10	1		01/05/10 15:09	95-49-8	
4-Chlorotoluene	ND ug/kg		10	1		01/05/10 15:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		10	1		01/05/10 15:09	96-12-8	
Dibromochloromethane	ND ug/kg		10	1		01/05/10 15:09	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		10	1		01/05/10 15:09	106-93-4	
Dibromomethane	ND ug/kg		10	1		01/05/10 15:09	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		10	1		01/05/10 15:09	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		10	1		01/05/10 15:09	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		10	1		01/05/10 15:09	106-46-7	
Dichlorodifluoromethane	ND ug/kg		19.9	1		01/05/10 15:09	75-71-8	
1,1-Dichloroethane	ND ug/kg		10	1		01/05/10 15:09	75-34-3	
1,2-Dichloroethane	ND ug/kg		10	1		01/05/10 15:09	107-06-2	
1,1-Dichloroethene	ND ug/kg		10	1		01/05/10 15:09	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		10	1		01/05/10 15:09	156-59-2	

ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9260576

Sample: TT-2953-2 Lab ID: 9260576002 Collected: 12/29/09 12:50 Received: 01/04/10 09:30 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						
trans-1,2-Dichloroethene	ND	ug/kg	10	1		01/05/10 15:09	156-60-5	
1,2-Dichloropropane	ND	ug/kg	10	1		01/05/10 15:09	78-87-5	
1,3-Dichloropropane	ND	ug/kg	10	1		01/05/10 15:09	142-28-9	
2,2-Dichloropropane	ND	ug/kg	10	1		01/05/10 15:09	594-20-7	
1,1-Dichloropropene	ND	ug/kg	10	1		01/05/10 15:09	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	10	1		01/05/10 15:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	10	1		01/05/10 15:09	10061-02-6	
Diisopropyl ether	ND	ug/kg	10	1		01/05/10 15:09	108-20-3	
Ethylbenzene	ND	ug/kg	10	1		01/05/10 15:09	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	10	1		01/05/10 15:09	87-68-3	
2-Hexanone	ND	ug/kg	99.6	1		01/05/10 15:09	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	10	1		01/05/10 15:09	98-82-8	
p-Isopropyltoluene	ND	ug/kg	10	1		01/05/10 15:09	99-87-6	
Methylene Chloride	ND	ug/kg	39.8	1		01/05/10 15:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	99.6	1		01/05/10 15:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	10	1		01/05/10 15:09	1634-04-4	
Naphthalene	ND	ug/kg	10	1		01/05/10 15:09	91-20-3	
n-Propylbenzene	ND	ug/kg	10	1		01/05/10 15:09	103-65-1	
Styrene	ND	ug/kg	10	1		01/05/10 15:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	10	1		01/05/10 15:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	10	1		01/05/10 15:09	79-34-5	
Tetrachloroethene	ND	ug/kg	10	1		01/05/10 15:09	127-18-4	
Toluene	ND	ug/kg	10	1		01/05/10 15:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	10	1		01/05/10 15:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	10	1		01/05/10 15:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	10	1		01/05/10 15:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	10	1		01/05/10 15:09	79-00-5	
Trichloroethene	ND	ug/kg	10	1		01/05/10 15:09	79-01-6	
Trichlorofluoromethane	ND	ug/kg	10	1		01/05/10 15:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	10	1		01/05/10 15:09	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	10	1		01/05/10 15:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	10	1		01/05/10 15:09	108-67-8	
Vinyl acetate	ND	ug/kg	99.6	1		01/05/10 15:09	108-05-4	
Vinyl chloride	ND	ug/kg	19.9	1		01/05/10 15:09	75-01-4	
Xylene (Total)	ND	ug/kg	19.9	1		01/05/10 15:09	1330-20-7	
m&p-Xylene	ND	ug/kg	19.9	1		01/05/10 15:09	1330-20-7	
o-Xylene	ND	ug/kg	10	1		01/05/10 15:09	95-47-6	
Dibromofluoromethane (S)	101	%	79-116	1		01/05/10 15:09	1868-53-7	
Toluene-d8 (S)	101	%	88-110	1		01/05/10 15:09	2037-26-5	
4-Bromofluorobenzene (S)	100	%	74-115	1		01/05/10 15:09	460-00-4	
1,2-Dichloroethane-d4 (S)	116	%	69-121	1		01/05/10 15:09	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	13.7 %	0.10	1	01/05/10 14:40
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9260576

Sample: TT-2953-3 **Lab ID:** 9260576003 **Collected:** 12/29/09 12:05 **Received:** 01/04/10 09:30 **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	01/05/10 11:55	01/06/10 18:09	68334-30-5	
n-Pentacosane (S)	82	%	50-135	1	01/05/10 11:55	01/06/10 18:09	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND	mg/kg	5.3	1	01/06/10 13:02	01/07/10 00:57	8006-61-9	
4-Bromofluorobenzene (S)	130	%	50-135	1	01/06/10 13:02	01/07/10 00:57	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND	mg/kg	8.9	1	01/07/10 18:34	01/08/10 03:23		
Aliphatic (C09-C12)	ND	mg/kg	8.9	1	01/07/10 18:34	01/08/10 03:23		
Aromatic (C09-C10)	ND	mg/kg	8.9	1	01/07/10 18:34	01/08/10 03:23		
2,5-Dibromotoluene (PID)(S)	100	%	70-130	1	01/07/10 18:34	01/08/10 03:23		
2,5-Dibromotoluene (FID)(S)	117	%	70-130	1	01/07/10 18:34	01/08/10 03:23		
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND	ug/kg	87.2	1		01/05/10 15:27	67-64-1	
Benzene	ND	ug/kg	4.4	1		01/05/10 15:27	71-43-2	
Bromobenzene	ND	ug/kg	4.4	1		01/05/10 15:27	108-86-1	
Bromochloromethane	ND	ug/kg	4.4	1		01/05/10 15:27	74-97-5	
Bromodichloromethane	ND	ug/kg	4.4	1		01/05/10 15:27	75-27-4	
Bromoform	ND	ug/kg	4.4	1		01/05/10 15:27	75-25-2	
Bromomethane	ND	ug/kg	8.7	1		01/05/10 15:27	74-83-9	
2-Butanone (MEK)	ND	ug/kg	87.2	1		01/05/10 15:27	78-93-3	
n-Butylbenzene	ND	ug/kg	4.4	1		01/05/10 15:27	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.4	1		01/05/10 15:27	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.4	1		01/05/10 15:27	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.4	1		01/05/10 15:27	56-23-5	
Chlorobenzene	ND	ug/kg	4.4	1		01/05/10 15:27	108-90-7	
Chloroethane	ND	ug/kg	8.7	1		01/05/10 15:27	75-00-3	
Chloroform	ND	ug/kg	4.4	1		01/05/10 15:27	67-66-3	
Chloromethane	ND	ug/kg	8.7	1		01/05/10 15:27	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.4	1		01/05/10 15:27	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.4	1		01/05/10 15:27	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.4	1		01/05/10 15:27	96-12-8	
Dibromochloromethane	ND	ug/kg	4.4	1		01/05/10 15:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.4	1		01/05/10 15:27	106-93-4	
Dibromomethane	ND	ug/kg	4.4	1		01/05/10 15:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.4	1		01/05/10 15:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.4	1		01/05/10 15:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.4	1		01/05/10 15:27	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.7	1		01/05/10 15:27	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.4	1		01/05/10 15:27	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.4	1		01/05/10 15:27	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.4	1		01/05/10 15:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.4	1		01/05/10 15:27	156-59-2	

ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9260576

Sample: TT-2953-3 Lab ID: 9260576003 Collected: 12/29/09 12:05 Received: 01/04/10 09:30 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						
trans-1,2-Dichloroethene	ND	ug/kg	4.4	1		01/05/10 15:27	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.4	1		01/05/10 15:27	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.4	1		01/05/10 15:27	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.4	1		01/05/10 15:27	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.4	1		01/05/10 15:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.4	1		01/05/10 15:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.4	1		01/05/10 15:27	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.4	1		01/05/10 15:27	108-20-3	
Ethylbenzene	ND	ug/kg	4.4	1		01/05/10 15:27	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.4	1		01/05/10 15:27	87-68-3	
2-Hexanone	ND	ug/kg	43.6	1		01/05/10 15:27	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.4	1		01/05/10 15:27	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.4	1		01/05/10 15:27	99-87-6	
Methylene Chloride	ND	ug/kg	17.4	1		01/05/10 15:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	43.6	1		01/05/10 15:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.4	1		01/05/10 15:27	1634-04-4	
Naphthalene	ND	ug/kg	4.4	1		01/05/10 15:27	91-20-3	
n-Propylbenzene	ND	ug/kg	4.4	1		01/05/10 15:27	103-65-1	
Styrene	ND	ug/kg	4.4	1		01/05/10 15:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.4	1		01/05/10 15:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.4	1		01/05/10 15:27	79-34-5	
Tetrachloroethene	ND	ug/kg	4.4	1		01/05/10 15:27	127-18-4	
Toluene	ND	ug/kg	4.4	1		01/05/10 15:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.4	1		01/05/10 15:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.4	1		01/05/10 15:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.4	1		01/05/10 15:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.4	1		01/05/10 15:27	79-00-5	
Trichloroethene	ND	ug/kg	4.4	1		01/05/10 15:27	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.4	1		01/05/10 15:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.4	1		01/05/10 15:27	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.4	1		01/05/10 15:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.4	1		01/05/10 15:27	108-67-8	
Vinyl acetate	ND	ug/kg	43.6	1		01/05/10 15:27	108-05-4	
Vinyl chloride	ND	ug/kg	8.7	1		01/05/10 15:27	75-01-4	
Xylene (Total)	ND	ug/kg	8.7	1		01/05/10 15:27	1330-20-7	
m&p-Xylene	ND	ug/kg	8.7	1		01/05/10 15:27	1330-20-7	
o-Xylene	ND	ug/kg	4.4	1		01/05/10 15:27	95-47-6	
Dibromofluoromethane (S)	113	%	79-116	1		01/05/10 15:27	1868-53-7	
Toluene-d8 (S)	100	%	88-110	1		01/05/10 15:27	2037-26-5	
4-Bromofluorobenzene (S)	101	%	74-115	1		01/05/10 15:27	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	69-121	1		01/05/10 15:27	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	20.2 %	0.10	1	01/05/10 14:40
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9260576

Sample: TT-2953-4 **Lab ID:** 9260576004 **Collected:** 12/29/09 11:55 **Received:** 01/04/10 09:30 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		6.5	1	01/05/10 11:55	01/06/10 18:38	68334-30-5	
n-Pentacosane (S)	79 %		50-135	1	01/05/10 11:55	01/06/10 18:38	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		5.6	1	01/06/10 13:02	01/07/10 01:22	8006-61-9	
4-Bromofluorobenzene (S)	118 %		50-135	1	01/06/10 13:02	01/07/10 01:22	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		10.2	1	01/07/10 18:34	01/08/10 03:48		
Aliphatic (C09-C12)	ND mg/kg		10.2	1	01/07/10 18:34	01/08/10 03:48		
Aromatic (C09-C10)	ND mg/kg		10.2	1	01/07/10 18:34	01/08/10 03:48		
2,5-Dibromotoluene (PID)(S)	109 %		70-130	1	01/07/10 18:34	01/08/10 03:48		
2,5-Dibromotoluene (FID)(S)	131 %		70-130	1	01/07/10 18:34	01/08/10 03:48		S3
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND ug/kg		91.9	1		01/05/10 15:45	67-64-1	
Benzene	ND ug/kg		4.6	1		01/05/10 15:45	71-43-2	
Bromobenzene	ND ug/kg		4.6	1		01/05/10 15:45	108-86-1	
Bromochloromethane	ND ug/kg		4.6	1		01/05/10 15:45	74-97-5	
Bromodichloromethane	ND ug/kg		4.6	1		01/05/10 15:45	75-27-4	
Bromoform	ND ug/kg		4.6	1		01/05/10 15:45	75-25-2	
Bromomethane	ND ug/kg		9.2	1		01/05/10 15:45	74-83-9	
2-Butanone (MEK)	ND ug/kg		91.9	1		01/05/10 15:45	78-93-3	
n-Butylbenzene	ND ug/kg		4.6	1		01/05/10 15:45	104-51-8	
sec-Butylbenzene	ND ug/kg		4.6	1		01/05/10 15:45	135-98-8	
tert-Butylbenzene	ND ug/kg		4.6	1		01/05/10 15:45	98-06-6	
Carbon tetrachloride	ND ug/kg		4.6	1		01/05/10 15:45	56-23-5	
Chlorobenzene	ND ug/kg		4.6	1		01/05/10 15:45	108-90-7	
Chloroethane	ND ug/kg		9.2	1		01/05/10 15:45	75-00-3	
Chloroform	ND ug/kg		4.6	1		01/05/10 15:45	67-66-3	
Chloromethane	ND ug/kg		9.2	1		01/05/10 15:45	74-87-3	
2-Chlorotoluene	ND ug/kg		4.6	1		01/05/10 15:45	95-49-8	
4-Chlorotoluene	ND ug/kg		4.6	1		01/05/10 15:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		4.6	1		01/05/10 15:45	96-12-8	
Dibromochloromethane	ND ug/kg		4.6	1		01/05/10 15:45	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.6	1		01/05/10 15:45	106-93-4	
Dibromomethane	ND ug/kg		4.6	1		01/05/10 15:45	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		4.6	1		01/05/10 15:45	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		4.6	1		01/05/10 15:45	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		4.6	1		01/05/10 15:45	106-46-7	
Dichlorodifluoromethane	ND ug/kg		9.2	1		01/05/10 15:45	75-71-8	
1,1-Dichloroethane	ND ug/kg		4.6	1		01/05/10 15:45	75-34-3	
1,2-Dichloroethane	ND ug/kg		4.6	1		01/05/10 15:45	107-06-2	
1,1-Dichloroethene	ND ug/kg		4.6	1		01/05/10 15:45	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		4.6	1		01/05/10 15:45	156-59-2	

ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9260576

Sample: TT-2953-4 Lab ID: 9260576004 Collected: 12/29/09 11:55 Received: 01/04/10 09:30 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						
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1		01/05/10 15:45	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1		01/05/10 15:45	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.6	1		01/05/10 15:45	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.6	1		01/05/10 15:45	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.6	1		01/05/10 15:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1		01/05/10 15:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1		01/05/10 15:45	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.6	1		01/05/10 15:45	108-20-3	
Ethylbenzene	ND	ug/kg	4.6	1		01/05/10 15:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	1		01/05/10 15:45	87-68-3	
2-Hexanone	ND	ug/kg	45.9	1		01/05/10 15:45	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1		01/05/10 15:45	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1		01/05/10 15:45	99-87-6	
Methylene Chloride	ND	ug/kg	18.4	1		01/05/10 15:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	45.9	1		01/05/10 15:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1		01/05/10 15:45	1634-04-4	
Naphthalene	ND	ug/kg	4.6	1		01/05/10 15:45	91-20-3	
n-Propylbenzene	ND	ug/kg	4.6	1		01/05/10 15:45	103-65-1	
Styrene	ND	ug/kg	4.6	1		01/05/10 15:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1		01/05/10 15:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1		01/05/10 15:45	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1		01/05/10 15:45	127-18-4	
Toluene	ND	ug/kg	4.6	1		01/05/10 15:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	1		01/05/10 15:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1		01/05/10 15:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1		01/05/10 15:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1		01/05/10 15:45	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1		01/05/10 15:45	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	1		01/05/10 15:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	1		01/05/10 15:45	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1		01/05/10 15:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1		01/05/10 15:45	108-67-8	
Vinyl acetate	ND	ug/kg	45.9	1		01/05/10 15:45	108-05-4	
Vinyl chloride	ND	ug/kg	9.2	1		01/05/10 15:45	75-01-4	
Xylene (Total)	ND	ug/kg	9.2	1		01/05/10 15:45	1330-20-7	
m&p-Xylene	ND	ug/kg	9.2	1		01/05/10 15:45	1330-20-7	
o-Xylene	ND	ug/kg	4.6	1		01/05/10 15:45	95-47-6	
Dibromofluoromethane (S)	93	%	79-116	1		01/05/10 15:45	1868-53-7	
Toluene-d8 (S)	101	%	88-110	1		01/05/10 15:45	2037-26-5	
4-Bromofluorobenzene (S)	102	%	74-115	1		01/05/10 15:45	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	69-121	1		01/05/10 15:45	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	22.6	%	0.10	1	01/05/10 14:40
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9260576

Sample: TT-2953-B-11.8 **Lab ID:** 9260576005 **Collected:** 12/30/09 07:20 **Received:** 01/04/10 09:30 **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	562	mg/kg	24.3	4	01/05/10 11:55	01/07/10 09:59	68334-30-5	
n-Pentacosane (S)	78	%	50-135	4	01/05/10 11:55	01/07/10 09:59	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	17.9	mg/kg	6.0	1	01/07/10 18:37	01/08/10 21:04	8006-61-9	
4-Bromofluorobenzene (S)	125	%	50-135	1	01/07/10 18:37	01/08/10 21:04	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND	mg/kg	9.9	1	01/07/10 18:34	01/08/10 04:12		
Aliphatic (C09-C12)	76.9	mg/kg	9.9	1	01/07/10 18:34	01/08/10 04:12		
Aromatic (C09-C10)	18.4	mg/kg	9.9	1	01/07/10 18:34	01/08/10 04:12		
2,5-Dibromotoluene (PID)(S)	114	%	70-130	1	01/07/10 18:34	01/08/10 04:12		
2,5-Dibromotoluene (FID)(S)	163	%	70-130	1	01/07/10 18:34	01/08/10 04:12		S5
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND	ug/kg	4840	50		01/05/10 20:34	67-64-1	
Benzene	ND	ug/kg	242	50		01/05/10 20:34	71-43-2	
Bromobenzene	ND	ug/kg	242	50		01/05/10 20:34	108-86-1	
Bromochloromethane	ND	ug/kg	242	50		01/05/10 20:34	74-97-5	
Bromodichloromethane	ND	ug/kg	242	50		01/05/10 20:34	75-27-4	
Bromoform	ND	ug/kg	242	50		01/05/10 20:34	75-25-2	
Bromomethane	ND	ug/kg	484	50		01/05/10 20:34	74-83-9	
2-Butanone (MEK)	ND	ug/kg	4840	50		01/05/10 20:34	78-93-3	
n-Butylbenzene	771	ug/kg	242	50		01/05/10 20:34	104-51-8	
sec-Butylbenzene	561	ug/kg	242	50		01/05/10 20:34	135-98-8	
tert-Butylbenzene	ND	ug/kg	242	50		01/05/10 20:34	98-06-6	
Carbon tetrachloride	ND	ug/kg	242	50		01/05/10 20:34	56-23-5	
Chlorobenzene	ND	ug/kg	242	50		01/05/10 20:34	108-90-7	
Chloroethane	ND	ug/kg	484	50		01/05/10 20:34	75-00-3	
Chloroform	ND	ug/kg	242	50		01/05/10 20:34	67-66-3	
Chloromethane	ND	ug/kg	484	50		01/05/10 20:34	74-87-3	
2-Chlorotoluene	ND	ug/kg	242	50		01/05/10 20:34	95-49-8	
4-Chlorotoluene	ND	ug/kg	242	50		01/05/10 20:34	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	242	50		01/05/10 20:34	96-12-8	
Dibromochloromethane	ND	ug/kg	242	50		01/05/10 20:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	242	50		01/05/10 20:34	106-93-4	
Dibromomethane	ND	ug/kg	242	50		01/05/10 20:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	242	50		01/05/10 20:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	242	50		01/05/10 20:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	242	50		01/05/10 20:34	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	484	50		01/05/10 20:34	75-71-8	
1,1-Dichloroethane	ND	ug/kg	242	50		01/05/10 20:34	75-34-3	
1,2-Dichloroethane	ND	ug/kg	242	50		01/05/10 20:34	107-06-2	
1,1-Dichloroethene	ND	ug/kg	242	50		01/05/10 20:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	242	50		01/05/10 20:34	156-59-2	

ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9260576

Sample: TT-2953-B-11.8 Lab ID: 9260576005 Collected: 12/30/09 07:20 Received: 01/04/10 09:30 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						
trans-1,2-Dichloroethene	ND	ug/kg	242	50		01/05/10 20:34	156-60-5	
1,2-Dichloropropane	ND	ug/kg	242	50		01/05/10 20:34	78-87-5	
1,3-Dichloropropane	ND	ug/kg	242	50		01/05/10 20:34	142-28-9	
2,2-Dichloropropane	ND	ug/kg	242	50		01/05/10 20:34	594-20-7	
1,1-Dichloropropene	ND	ug/kg	242	50		01/05/10 20:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	242	50		01/05/10 20:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	242	50		01/05/10 20:34	10061-02-6	
Diisopropyl ether	ND	ug/kg	242	50		01/05/10 20:34	108-20-3	
Ethylbenzene	ND	ug/kg	242	50		01/05/10 20:34	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	242	50		01/05/10 20:34	87-68-3	
2-Hexanone	ND	ug/kg	2420	50		01/05/10 20:34	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	242	50		01/05/10 20:34	98-82-8	
p-Isopropyltoluene	889	ug/kg	242	50		01/05/10 20:34	99-87-6	
Methylene Chloride	ND	ug/kg	967	50		01/05/10 20:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	2420	50		01/05/10 20:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	242	50		01/05/10 20:34	1634-04-4	
Naphthalene	1530	ug/kg	242	50		01/05/10 20:34	91-20-3	
n-Propylbenzene	365	ug/kg	242	50		01/05/10 20:34	103-65-1	
Styrene	ND	ug/kg	242	50		01/05/10 20:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	242	50		01/05/10 20:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	242	50		01/05/10 20:34	79-34-5	
Tetrachloroethene	ND	ug/kg	242	50		01/05/10 20:34	127-18-4	
Toluene	ND	ug/kg	242	50		01/05/10 20:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	242	50		01/05/10 20:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	242	50		01/05/10 20:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	242	50		01/05/10 20:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	242	50		01/05/10 20:34	79-00-5	
Trichloroethene	ND	ug/kg	242	50		01/05/10 20:34	79-01-6	
Trichlorofluoromethane	ND	ug/kg	242	50		01/05/10 20:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	242	50		01/05/10 20:34	96-18-4	
1,2,4-Trimethylbenzene	3330	ug/kg	242	50		01/05/10 20:34	95-63-6	
1,3,5-Trimethylbenzene	1000	ug/kg	242	50		01/05/10 20:34	108-67-8	
Vinyl acetate	ND	ug/kg	2420	50		01/05/10 20:34	108-05-4	
Vinyl chloride	ND	ug/kg	484	50		01/05/10 20:34	75-01-4	
Xylene (Total)	756	ug/kg	484	50		01/05/10 20:34	1330-20-7	
m&p-Xylene	689	ug/kg	484	50		01/05/10 20:34	1330-20-7	
o-Xylene	ND	ug/kg	242	50		01/05/10 20:34	95-47-6	
Dibromofluoromethane (S)	91	%	79-116	50		01/05/10 20:34	1868-53-7	
Toluene-d8 (S)	101	%	88-110	50		01/05/10 20:34	2037-26-5	
4-Bromofluorobenzene (S)	99	%	74-115	50		01/05/10 20:34	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	69-121	50		01/05/10 20:34	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	17.7	%	0.10	1	01/05/10 14:41
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9260576

Sample: TT-2995-1 **Lab ID: 9260576006** Collected: 12/30/09 17:00 Received: 01/04/10 09:30 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	01/05/10 11:55	01/06/10 19:06	68334-30-5	
n-Pentacosane (S)	66	%	50-135	1	01/05/10 11:55	01/06/10 19:06	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND	mg/kg	7.7	1	01/07/10 18:37	01/08/10 21:54	8006-61-9	
4-Bromofluorobenzene (S)	162	%	50-135	1	01/07/10 18:37	01/08/10 21:54	460-00-4	S3
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND	mg/kg	12.9	1	01/07/10 18:34	01/08/10 04:37		
Aliphatic (C09-C12)	ND	mg/kg	12.9	1	01/07/10 18:34	01/08/10 04:37		
Aromatic (C09-C10)	ND	mg/kg	12.9	1	01/07/10 18:34	01/08/10 04:37		
2,5-Dibromotoluene (PID)(S)	133	%	70-130	1	01/07/10 18:34	01/08/10 04:37		S3
2,5-Dibromotoluene (FID)(S)	190	%	70-130	1	01/07/10 18:34	01/08/10 04:37		S3
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND	ug/kg	90.4	1		01/06/10 11:35	67-64-1	
Benzene	ND	ug/kg	4.5	1		01/06/10 11:35	71-43-2	
Bromobenzene	ND	ug/kg	4.5	1		01/06/10 11:35	108-86-1	
Bromochloromethane	ND	ug/kg	4.5	1		01/06/10 11:35	74-97-5	
Bromodichloromethane	ND	ug/kg	4.5	1		01/06/10 11:35	75-27-4	
Bromoform	ND	ug/kg	4.5	1		01/06/10 11:35	75-25-2	
Bromomethane	ND	ug/kg	9.0	1		01/06/10 11:35	74-83-9	
2-Butanone (MEK)	ND	ug/kg	90.4	1		01/06/10 11:35	78-93-3	
n-Butylbenzene	ND	ug/kg	4.5	1		01/06/10 11:35	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.5	1		01/06/10 11:35	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.5	1		01/06/10 11:35	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.5	1		01/06/10 11:35	56-23-5	
Chlorobenzene	ND	ug/kg	4.5	1		01/06/10 11:35	108-90-7	
Chloroethane	ND	ug/kg	9.0	1		01/06/10 11:35	75-00-3	
Chloroform	ND	ug/kg	4.5	1		01/06/10 11:35	67-66-3	
Chloromethane	ND	ug/kg	9.0	1		01/06/10 11:35	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.5	1		01/06/10 11:35	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.5	1		01/06/10 11:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.5	1		01/06/10 11:35	96-12-8	
Dibromochloromethane	ND	ug/kg	4.5	1		01/06/10 11:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.5	1		01/06/10 11:35	106-93-4	
Dibromomethane	ND	ug/kg	4.5	1		01/06/10 11:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.5	1		01/06/10 11:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.5	1		01/06/10 11:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.5	1		01/06/10 11:35	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.0	1		01/06/10 11:35	75-71-8	IO
1,1-Dichloroethane	ND	ug/kg	4.5	1		01/06/10 11:35	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.5	1		01/06/10 11:35	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.5	1		01/06/10 11:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.5	1		01/06/10 11:35	156-59-2	

ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9260576

Sample: TT-2995-1 Lab ID: 9260576006 Collected: 12/30/09 17:00 Received: 01/04/10 09:30 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						
trans-1,2-Dichloroethene	ND	ug/kg	4.5	1		01/06/10 11:35	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.5	1		01/06/10 11:35	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.5	1		01/06/10 11:35	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.5	1		01/06/10 11:35	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.5	1		01/06/10 11:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.5	1		01/06/10 11:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.5	1		01/06/10 11:35	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.5	1		01/06/10 11:35	108-20-3	
Ethylbenzene	ND	ug/kg	4.5	1		01/06/10 11:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.5	1		01/06/10 11:35	87-68-3	
2-Hexanone	ND	ug/kg	45.2	1		01/06/10 11:35	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.5	1		01/06/10 11:35	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.5	1		01/06/10 11:35	99-87-6	
Methylene Chloride	ND	ug/kg	18.1	1		01/06/10 11:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	45.2	1		01/06/10 11:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.5	1		01/06/10 11:35	1634-04-4	
Naphthalene	ND	ug/kg	4.5	1		01/06/10 11:35	91-20-3	
n-Propylbenzene	ND	ug/kg	4.5	1		01/06/10 11:35	103-65-1	
Styrene	ND	ug/kg	4.5	1		01/06/10 11:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.5	1		01/06/10 11:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.5	1		01/06/10 11:35	79-34-5	
Tetrachloroethene	ND	ug/kg	4.5	1		01/06/10 11:35	127-18-4	
Toluene	ND	ug/kg	4.5	1		01/06/10 11:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.5	1		01/06/10 11:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.5	1		01/06/10 11:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.5	1		01/06/10 11:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.5	1		01/06/10 11:35	79-00-5	
Trichloroethene	ND	ug/kg	4.5	1		01/06/10 11:35	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.5	1		01/06/10 11:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.5	1		01/06/10 11:35	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.5	1		01/06/10 11:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.5	1		01/06/10 11:35	108-67-8	
Vinyl acetate	ND	ug/kg	45.2	1		01/06/10 11:35	108-05-4	
Vinyl chloride	ND	ug/kg	9.0	1		01/06/10 11:35	75-01-4	
Xylene (Total)	ND	ug/kg	9.0	1		01/06/10 11:35	1330-20-7	
m&p-Xylene	ND	ug/kg	9.0	1		01/06/10 11:35	1330-20-7	
o-Xylene	ND	ug/kg	4.5	1		01/06/10 11:35	95-47-6	
Dibromofluoromethane (S)	102	%	79-116	1		01/06/10 11:35	1868-53-7	
Toluene-d8 (S)	101	%	88-110	1		01/06/10 11:35	2037-26-5	
4-Bromofluorobenzene (S)	92	%	74-115	1		01/06/10 11:35	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	69-121	1		01/06/10 11:35	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	15.8 %	0.10	1	01/05/10 14:41
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9260576

Sample: TT-2995-2 **Lab ID:** 9260576007 **Collected:** 12/30/09 17:25 **Received:** 01/04/10 09:30 **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	01/05/10 11:55	01/06/10 19:06	68334-30-5	
n-Pentacosane (S)	80	%	50-135	1	01/05/10 11:55	01/06/10 19:06	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND	mg/kg	6.2	1	01/07/10 18:37	01/08/10 22:44	8006-61-9	
4-Bromofluorobenzene (S)	117	%	50-135	1	01/07/10 18:37	01/08/10 22:44	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND	mg/kg	10.4	1	01/07/10 18:34	01/08/10 05:02		
Aliphatic (C09-C12)	ND	mg/kg	10.4	1	01/07/10 18:34	01/08/10 05:02		
Aromatic (C09-C10)	ND	mg/kg	10.4	1	01/07/10 18:34	01/08/10 05:02		
2,5-Dibromotoluene (PID)(S)	112	%	70-130	1	01/07/10 18:34	01/08/10 05:02		
2,5-Dibromotoluene (FID)(S)	137	%	70-130	1	01/07/10 18:34	01/08/10 05:02		S3
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND	ug/kg	97.9	1		01/05/10 16:21	67-64-1	
Benzene	ND	ug/kg	4.9	1		01/05/10 16:21	71-43-2	
Bromobenzene	ND	ug/kg	4.9	1		01/05/10 16:21	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1		01/05/10 16:21	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1		01/05/10 16:21	75-27-4	
Bromoform	ND	ug/kg	4.9	1		01/05/10 16:21	75-25-2	
Bromomethane	ND	ug/kg	9.8	1		01/05/10 16:21	74-83-9	
2-Butanone (MEK)	ND	ug/kg	97.9	1		01/05/10 16:21	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1		01/05/10 16:21	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1		01/05/10 16:21	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	1		01/05/10 16:21	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.9	1		01/05/10 16:21	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1		01/05/10 16:21	108-90-7	
Chloroethane	ND	ug/kg	9.8	1		01/05/10 16:21	75-00-3	
Chloroform	ND	ug/kg	4.9	1		01/05/10 16:21	67-66-3	
Chloromethane	ND	ug/kg	9.8	1		01/05/10 16:21	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1		01/05/10 16:21	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1		01/05/10 16:21	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.9	1		01/05/10 16:21	96-12-8	
Dibromochloromethane	ND	ug/kg	4.9	1		01/05/10 16:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1		01/05/10 16:21	106-93-4	
Dibromomethane	ND	ug/kg	4.9	1		01/05/10 16:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1		01/05/10 16:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	1		01/05/10 16:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1		01/05/10 16:21	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.8	1		01/05/10 16:21	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1		01/05/10 16:21	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	1		01/05/10 16:21	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1		01/05/10 16:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1		01/05/10 16:21	156-59-2	

ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9260576

Sample: TT-2995-2 **Lab ID:** 9260576007 **Collected:** 12/30/09 17:25 **Received:** 01/04/10 09:30 **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						
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1		01/05/10 16:21	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1		01/05/10 16:21	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1		01/05/10 16:21	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1		01/05/10 16:21	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.9	1		01/05/10 16:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1		01/05/10 16:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1		01/05/10 16:21	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.9	1		01/05/10 16:21	108-20-3	
Ethylbenzene	ND	ug/kg	4.9	1		01/05/10 16:21	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	1		01/05/10 16:21	87-68-3	
2-Hexanone	ND	ug/kg	48.9	1		01/05/10 16:21	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1		01/05/10 16:21	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1		01/05/10 16:21	99-87-6	
Methylene Chloride	ND	ug/kg	19.6	1		01/05/10 16:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	48.9	1		01/05/10 16:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1		01/05/10 16:21	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1		01/05/10 16:21	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1		01/05/10 16:21	103-65-1	
Styrene	ND	ug/kg	4.9	1		01/05/10 16:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	1		01/05/10 16:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1		01/05/10 16:21	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1		01/05/10 16:21	127-18-4	
Toluene	ND	ug/kg	4.9	1		01/05/10 16:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	1		01/05/10 16:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1		01/05/10 16:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1		01/05/10 16:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	1		01/05/10 16:21	79-00-5	
Trichloroethene	ND	ug/kg	4.9	1		01/05/10 16:21	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	1		01/05/10 16:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1		01/05/10 16:21	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	1		01/05/10 16:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1		01/05/10 16:21	108-67-8	
Vinyl acetate	ND	ug/kg	48.9	1		01/05/10 16:21	108-05-4	
Vinyl chloride	ND	ug/kg	9.8	1		01/05/10 16:21	75-01-4	
Xylene (Total)	ND	ug/kg	9.8	1		01/05/10 16:21	1330-20-7	
m&p-Xylene	ND	ug/kg	9.8	1		01/05/10 16:21	1330-20-7	
o-Xylene	ND	ug/kg	4.9	1		01/05/10 16:21	95-47-6	
Dibromofluoromethane (S)	97	%	79-116	1		01/05/10 16:21	1868-53-7	
Toluene-d8 (S)	101	%	88-110	1		01/05/10 16:21	2037-26-5	
4-Bromofluorobenzene (S)	102	%	74-115	1		01/05/10 16:21	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	69-121	1		01/05/10 16:21	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	21.8 %	0.10	1	01/05/10 14:41
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9260576

Sample: TT-2995-3 **Lab ID:** 9260576008 **Collected:** 12/30/09 17:10 **Received:** 01/04/10 09:30 **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	01/05/10 11:55	01/06/10 19:35	68334-30-5	
n-Pentacosane (S)	67	%	50-135	1	01/05/10 11:55	01/06/10 19:35	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND	mg/kg	5.6	1	01/07/10 18:37	01/08/10 23:08	8006-61-9	
4-Bromofluorobenzene (S)	128	%	50-135	1	01/07/10 18:37	01/08/10 23:08	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND	mg/kg	9.4	1	01/07/10 18:34	01/08/10 05:27		
Aliphatic (C09-C12)	ND	mg/kg	9.4	1	01/07/10 18:34	01/08/10 05:27		
Aromatic (C09-C10)	ND	mg/kg	9.4	1	01/07/10 18:34	01/08/10 05:27		
2,5-Dibromotoluene (PID)(S)	108	%	70-130	1	01/07/10 18:34	01/08/10 05:27		
2,5-Dibromotoluene (FID)(S)	129	%	70-130	1	01/07/10 18:34	01/08/10 05:27		
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND	ug/kg	99.3	1		01/05/10 16:39	67-64-1	
Benzene	ND	ug/kg	5.0	1		01/05/10 16:39	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1		01/05/10 16:39	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1		01/05/10 16:39	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1		01/05/10 16:39	75-27-4	
Bromoform	ND	ug/kg	5.0	1		01/05/10 16:39	75-25-2	
Bromomethane	ND	ug/kg	9.9	1		01/05/10 16:39	74-83-9	
2-Butanone (MEK)	ND	ug/kg	99.3	1		01/05/10 16:39	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1		01/05/10 16:39	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1		01/05/10 16:39	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.0	1		01/05/10 16:39	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.0	1		01/05/10 16:39	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1		01/05/10 16:39	108-90-7	
Chloroethane	ND	ug/kg	9.9	1		01/05/10 16:39	75-00-3	
Chloroform	ND	ug/kg	5.0	1		01/05/10 16:39	67-66-3	
Chloromethane	ND	ug/kg	9.9	1		01/05/10 16:39	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1		01/05/10 16:39	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1		01/05/10 16:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	1		01/05/10 16:39	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1		01/05/10 16:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1		01/05/10 16:39	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1		01/05/10 16:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1		01/05/10 16:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1		01/05/10 16:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1		01/05/10 16:39	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.9	1		01/05/10 16:39	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1		01/05/10 16:39	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1		01/05/10 16:39	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1		01/05/10 16:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1		01/05/10 16:39	156-59-2	

ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9260576

Sample: TT-2995-3 Lab ID: 9260576008 Collected: 12/30/09 17:10 Received: 01/04/10 09:30 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						
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1		01/05/10 16:39	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1		01/05/10 16:39	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1		01/05/10 16:39	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1		01/05/10 16:39	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1		01/05/10 16:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1		01/05/10 16:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1		01/05/10 16:39	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.0	1		01/05/10 16:39	108-20-3	
Ethylbenzene	ND	ug/kg	5.0	1		01/05/10 16:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1		01/05/10 16:39	87-68-3	
2-Hexanone	ND	ug/kg	49.7	1		01/05/10 16:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1		01/05/10 16:39	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1		01/05/10 16:39	99-87-6	
Methylene Chloride	ND	ug/kg	19.9	1		01/05/10 16:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	49.7	1		01/05/10 16:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1		01/05/10 16:39	1634-04-4	
Naphthalene	ND	ug/kg	5.0	1		01/05/10 16:39	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	1		01/05/10 16:39	103-65-1	
Styrene	ND	ug/kg	5.0	1		01/05/10 16:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1		01/05/10 16:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1		01/05/10 16:39	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1		01/05/10 16:39	127-18-4	
Toluene	ND	ug/kg	5.0	1		01/05/10 16:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1		01/05/10 16:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1		01/05/10 16:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1		01/05/10 16:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1		01/05/10 16:39	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1		01/05/10 16:39	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1		01/05/10 16:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1		01/05/10 16:39	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1		01/05/10 16:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1		01/05/10 16:39	108-67-8	
Vinyl acetate	ND	ug/kg	49.7	1		01/05/10 16:39	108-05-4	
Vinyl chloride	ND	ug/kg	9.9	1		01/05/10 16:39	75-01-4	
Xylene (Total)	ND	ug/kg	9.9	1		01/05/10 16:39	1330-20-7	
m&p-Xylene	ND	ug/kg	9.9	1		01/05/10 16:39	1330-20-7	
o-Xylene	ND	ug/kg	5.0	1		01/05/10 16:39	95-47-6	
Dibromofluoromethane (S)	95	%	79-116	1		01/05/10 16:39	1868-53-7	
Toluene-d8 (S)	100	%	88-110	1		01/05/10 16:39	2037-26-5	
4-Bromofluorobenzene (S)	102	%	74-115	1		01/05/10 16:39	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	69-121	1		01/05/10 16:39	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	20.6 %	0.10	1	01/05/10 14:41
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9260576

Sample: TT-2995-4 **Lab ID:** 9260576009 **Collected:** 12/30/09 17:20 **Received:** 01/04/10 09:30 **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	01/05/10 11:55	01/06/10 19:35	68334-30-5	
n-Pentacosane (S)	82 %		50-135	1	01/05/10 11:55	01/06/10 19:35	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		5.9	1	01/07/10 18:37	01/08/10 23:33	8006-61-9	
4-Bromofluorobenzene (S)	131 %		50-135	1	01/07/10 18:37	01/08/10 23:33	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		9.9	1	01/07/10 18:34	01/08/10 05:52		
Aliphatic (C09-C12)	ND mg/kg		9.9	1	01/07/10 18:34	01/08/10 05:52		
Aromatic (C09-C10)	ND mg/kg		9.9	1	01/07/10 18:34	01/08/10 05:52		
2,5-Dibromotoluene (PID)(S)	116 %		70-130	1	01/07/10 18:34	01/08/10 05:52		
2,5-Dibromotoluene (FID)(S)	130 %		70-130	1	01/07/10 18:34	01/08/10 05:52		
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND ug/kg		91.7	1		01/05/10 16:57	67-64-1	
Benzene	ND ug/kg		4.6	1		01/05/10 16:57	71-43-2	
Bromobenzene	ND ug/kg		4.6	1		01/05/10 16:57	108-86-1	
Bromochloromethane	ND ug/kg		4.6	1		01/05/10 16:57	74-97-5	
Bromodichloromethane	ND ug/kg		4.6	1		01/05/10 16:57	75-27-4	
Bromoform	ND ug/kg		4.6	1		01/05/10 16:57	75-25-2	
Bromomethane	ND ug/kg		9.2	1		01/05/10 16:57	74-83-9	
2-Butanone (MEK)	ND ug/kg		91.7	1		01/05/10 16:57	78-93-3	
n-Butylbenzene	ND ug/kg		4.6	1		01/05/10 16:57	104-51-8	
sec-Butylbenzene	ND ug/kg		4.6	1		01/05/10 16:57	135-98-8	
tert-Butylbenzene	ND ug/kg		4.6	1		01/05/10 16:57	98-06-6	
Carbon tetrachloride	ND ug/kg		4.6	1		01/05/10 16:57	56-23-5	
Chlorobenzene	ND ug/kg		4.6	1		01/05/10 16:57	108-90-7	
Chloroethane	ND ug/kg		9.2	1		01/05/10 16:57	75-00-3	
Chloroform	ND ug/kg		4.6	1		01/05/10 16:57	67-66-3	
Chloromethane	ND ug/kg		9.2	1		01/05/10 16:57	74-87-3	
2-Chlorotoluene	ND ug/kg		4.6	1		01/05/10 16:57	95-49-8	
4-Chlorotoluene	ND ug/kg		4.6	1		01/05/10 16:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		4.6	1		01/05/10 16:57	96-12-8	
Dibromochloromethane	ND ug/kg		4.6	1		01/05/10 16:57	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.6	1		01/05/10 16:57	106-93-4	
Dibromomethane	ND ug/kg		4.6	1		01/05/10 16:57	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		4.6	1		01/05/10 16:57	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		4.6	1		01/05/10 16:57	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		4.6	1		01/05/10 16:57	106-46-7	
Dichlorodifluoromethane	ND ug/kg		9.2	1		01/05/10 16:57	75-71-8	
1,1-Dichloroethane	ND ug/kg		4.6	1		01/05/10 16:57	75-34-3	
1,2-Dichloroethane	ND ug/kg		4.6	1		01/05/10 16:57	107-06-2	
1,1-Dichloroethene	ND ug/kg		4.6	1		01/05/10 16:57	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		4.6	1		01/05/10 16:57	156-59-2	

ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9260576

Sample: TT-2995-4 Lab ID: 9260576009 Collected: 12/30/09 17:20 Received: 01/04/10 09:30 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						
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1		01/05/10 16:57	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1		01/05/10 16:57	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.6	1		01/05/10 16:57	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.6	1		01/05/10 16:57	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.6	1		01/05/10 16:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1		01/05/10 16:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1		01/05/10 16:57	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.6	1		01/05/10 16:57	108-20-3	
Ethylbenzene	ND	ug/kg	4.6	1		01/05/10 16:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	1		01/05/10 16:57	87-68-3	
2-Hexanone	ND	ug/kg	45.8	1		01/05/10 16:57	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1		01/05/10 16:57	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1		01/05/10 16:57	99-87-6	
Methylene Chloride	ND	ug/kg	18.3	1		01/05/10 16:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	45.8	1		01/05/10 16:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1		01/05/10 16:57	1634-04-4	
Naphthalene	ND	ug/kg	4.6	1		01/05/10 16:57	91-20-3	
n-Propylbenzene	ND	ug/kg	4.6	1		01/05/10 16:57	103-65-1	
Styrene	ND	ug/kg	4.6	1		01/05/10 16:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1		01/05/10 16:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1		01/05/10 16:57	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1		01/05/10 16:57	127-18-4	
Toluene	ND	ug/kg	4.6	1		01/05/10 16:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	1		01/05/10 16:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1		01/05/10 16:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1		01/05/10 16:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1		01/05/10 16:57	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1		01/05/10 16:57	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	1		01/05/10 16:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	1		01/05/10 16:57	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1		01/05/10 16:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1		01/05/10 16:57	108-67-8	
Vinyl acetate	ND	ug/kg	45.8	1		01/05/10 16:57	108-05-4	
Vinyl chloride	ND	ug/kg	9.2	1		01/05/10 16:57	75-01-4	
Xylene (Total)	ND	ug/kg	9.2	1		01/05/10 16:57	1330-20-7	
m&p-Xylene	ND	ug/kg	9.2	1		01/05/10 16:57	1330-20-7	
o-Xylene	ND	ug/kg	4.6	1		01/05/10 16:57	95-47-6	
Dibromofluoromethane (S)	103	%	79-116	1		01/05/10 16:57	1868-53-7	
Toluene-d8 (S)	101	%	88-110	1		01/05/10 16:57	2037-26-5	
4-Bromofluorobenzene (S)	103	%	74-115	1		01/05/10 16:57	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	69-121	1		01/05/10 16:57	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	20.9 %	0.10	1	01/05/10 14:42
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9260576

Sample: TT-2995-B-7 **Lab ID:** 9260576010 **Collected:** 12/30/09 17:30 **Received:** 01/04/10 09:30 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		6.1	1	01/05/10 11:55	01/06/10 20:04	68334-30-5	
n-Pentacosane (S)	82 %		50-135	1	01/05/10 11:55	01/06/10 20:04	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		4.9	1	01/07/10 18:37	01/08/10 23:58	8006-61-9	
4-Bromofluorobenzene (S)	123 %		50-135	1	01/07/10 18:37	01/08/10 23:58	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		8.2	1	01/07/10 18:34	01/08/10 06:16		
Aliphatic (C09-C12)	ND mg/kg		8.2	1	01/07/10 18:34	01/08/10 06:16		
Aromatic (C09-C10)	ND mg/kg		8.2	1	01/07/10 18:34	01/08/10 06:16		
2,5-Dibromotoluene (PID)(S)	109 %		70-130	1	01/07/10 18:34	01/08/10 06:16		
2,5-Dibromotoluene (FID)(S)	124 %		70-130	1	01/07/10 18:34	01/08/10 06:16		
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND ug/kg		84.6	1		01/05/10 17:15	67-64-1	
Benzene	ND ug/kg		4.2	1		01/05/10 17:15	71-43-2	
Bromobenzene	ND ug/kg		4.2	1		01/05/10 17:15	108-86-1	
Bromochloromethane	ND ug/kg		4.2	1		01/05/10 17:15	74-97-5	
Bromodichloromethane	ND ug/kg		4.2	1		01/05/10 17:15	75-27-4	
Bromoform	ND ug/kg		4.2	1		01/05/10 17:15	75-25-2	
Bromomethane	ND ug/kg		8.5	1		01/05/10 17:15	74-83-9	
2-Butanone (MEK)	ND ug/kg		84.6	1		01/05/10 17:15	78-93-3	
n-Butylbenzene	ND ug/kg		4.2	1		01/05/10 17:15	104-51-8	
sec-Butylbenzene	ND ug/kg		4.2	1		01/05/10 17:15	135-98-8	
tert-Butylbenzene	ND ug/kg		4.2	1		01/05/10 17:15	98-06-6	
Carbon tetrachloride	ND ug/kg		4.2	1		01/05/10 17:15	56-23-5	
Chlorobenzene	ND ug/kg		4.2	1		01/05/10 17:15	108-90-7	
Chloroethane	ND ug/kg		8.5	1		01/05/10 17:15	75-00-3	
Chloroform	ND ug/kg		4.2	1		01/05/10 17:15	67-66-3	
Chloromethane	ND ug/kg		8.5	1		01/05/10 17:15	74-87-3	
2-Chlorotoluene	ND ug/kg		4.2	1		01/05/10 17:15	95-49-8	
4-Chlorotoluene	ND ug/kg		4.2	1		01/05/10 17:15	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		4.2	1		01/05/10 17:15	96-12-8	
Dibromochloromethane	ND ug/kg		4.2	1		01/05/10 17:15	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.2	1		01/05/10 17:15	106-93-4	
Dibromomethane	ND ug/kg		4.2	1		01/05/10 17:15	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		4.2	1		01/05/10 17:15	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		4.2	1		01/05/10 17:15	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		4.2	1		01/05/10 17:15	106-46-7	
Dichlorodifluoromethane	ND ug/kg		8.5	1		01/05/10 17:15	75-71-8	
1,1-Dichloroethane	ND ug/kg		4.2	1		01/05/10 17:15	75-34-3	
1,2-Dichloroethane	ND ug/kg		4.2	1		01/05/10 17:15	107-06-2	
1,1-Dichloroethene	ND ug/kg		4.2	1		01/05/10 17:15	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		4.2	1		01/05/10 17:15	156-59-2	

ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9260576

Sample: TT-2995-B-7 Lab ID: 9260576010 Collected: 12/30/09 17:30 Received: 01/04/10 09:30 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						
trans-1,2-Dichloroethene	ND	ug/kg	4.2	1		01/05/10 17:15	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.2	1		01/05/10 17:15	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.2	1		01/05/10 17:15	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.2	1		01/05/10 17:15	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.2	1		01/05/10 17:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.2	1		01/05/10 17:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.2	1		01/05/10 17:15	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.2	1		01/05/10 17:15	108-20-3	
Ethylbenzene	ND	ug/kg	4.2	1		01/05/10 17:15	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.2	1		01/05/10 17:15	87-68-3	
2-Hexanone	ND	ug/kg	42.3	1		01/05/10 17:15	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.2	1		01/05/10 17:15	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.2	1		01/05/10 17:15	99-87-6	
Methylene Chloride	ND	ug/kg	16.9	1		01/05/10 17:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	42.3	1		01/05/10 17:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.2	1		01/05/10 17:15	1634-04-4	
Naphthalene	ND	ug/kg	4.2	1		01/05/10 17:15	91-20-3	
n-Propylbenzene	ND	ug/kg	4.2	1		01/05/10 17:15	103-65-1	
Styrene	ND	ug/kg	4.2	1		01/05/10 17:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.2	1		01/05/10 17:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.2	1		01/05/10 17:15	79-34-5	
Tetrachloroethene	ND	ug/kg	4.2	1		01/05/10 17:15	127-18-4	
Toluene	ND	ug/kg	4.2	1		01/05/10 17:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.2	1		01/05/10 17:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.2	1		01/05/10 17:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.2	1		01/05/10 17:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.2	1		01/05/10 17:15	79-00-5	
Trichloroethene	ND	ug/kg	4.2	1		01/05/10 17:15	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.2	1		01/05/10 17:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.2	1		01/05/10 17:15	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.2	1		01/05/10 17:15	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.2	1		01/05/10 17:15	108-67-8	
Vinyl acetate	ND	ug/kg	42.3	1		01/05/10 17:15	108-05-4	
Vinyl chloride	ND	ug/kg	8.5	1		01/05/10 17:15	75-01-4	
Xylene (Total)	ND	ug/kg	8.5	1		01/05/10 17:15	1330-20-7	
m&p-Xylene	ND	ug/kg	8.5	1		01/05/10 17:15	1330-20-7	
o-Xylene	ND	ug/kg	4.2	1		01/05/10 17:15	95-47-6	
Dibromofluoromethane (S)	94	%	79-116	1		01/05/10 17:15	1868-53-7	
Toluene-d8 (S)	100	%	88-110	1		01/05/10 17:15	2037-26-5	
4-Bromofluorobenzene (S)	103	%	74-115	1		01/05/10 17:15	460-00-4	
1,2-Dichloroethane-d4 (S)	116	%	69-121	1		01/05/10 17:15	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	17.7 %	0.10	1	01/05/10 14:42
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9260576

Sample: TT-2590-1 **Lab ID:** 9260576011 **Collected:** 12/30/09 13:10 **Received:** 01/04/10 09:30 **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	01/06/10 09:50	01/07/10 13:21	68334-30-5	
n-Pentacosane (S)	80 %		50-135	1	01/06/10 09:50	01/07/10 13:21	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		5.0	1	01/07/10 18:37	01/09/10 00:23	8006-61-9	
4-Bromofluorobenzene (S)	115 %		50-135	1	01/07/10 18:37	01/09/10 00:23	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		8.3	1	01/07/10 18:34	01/08/10 06:41		
Aliphatic (C09-C12)	ND mg/kg		8.3	1	01/07/10 18:34	01/08/10 06:41		
Aromatic (C09-C10)	ND mg/kg		8.3	1	01/07/10 18:34	01/08/10 06:41		
2,5-Dibromotoluene (PID)(S)	116 %		70-130	1	01/07/10 18:34	01/08/10 06:41		
2,5-Dibromotoluene (FID)(S)	135 %		70-130	1	01/07/10 18:34	01/08/10 06:41		S3
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND ug/kg		80.1	1		01/05/10 17:33	67-64-1	
Benzene	ND ug/kg		4.0	1		01/05/10 17:33	71-43-2	
Bromobenzene	ND ug/kg		4.0	1		01/05/10 17:33	108-86-1	
Bromochloromethane	ND ug/kg		4.0	1		01/05/10 17:33	74-97-5	
Bromodichloromethane	ND ug/kg		4.0	1		01/05/10 17:33	75-27-4	
Bromoform	ND ug/kg		4.0	1		01/05/10 17:33	75-25-2	
Bromomethane	ND ug/kg		8.0	1		01/05/10 17:33	74-83-9	
2-Butanone (MEK)	ND ug/kg		80.1	1		01/05/10 17:33	78-93-3	
n-Butylbenzene	ND ug/kg		4.0	1		01/05/10 17:33	104-51-8	
sec-Butylbenzene	ND ug/kg		4.0	1		01/05/10 17:33	135-98-8	
tert-Butylbenzene	ND ug/kg		4.0	1		01/05/10 17:33	98-06-6	
Carbon tetrachloride	ND ug/kg		4.0	1		01/05/10 17:33	56-23-5	
Chlorobenzene	ND ug/kg		4.0	1		01/05/10 17:33	108-90-7	
Chloroethane	ND ug/kg		8.0	1		01/05/10 17:33	75-00-3	
Chloroform	ND ug/kg		4.0	1		01/05/10 17:33	67-66-3	
Chloromethane	ND ug/kg		8.0	1		01/05/10 17:33	74-87-3	
2-Chlorotoluene	ND ug/kg		4.0	1		01/05/10 17:33	95-49-8	
4-Chlorotoluene	ND ug/kg		4.0	1		01/05/10 17:33	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		4.0	1		01/05/10 17:33	96-12-8	
Dibromochloromethane	ND ug/kg		4.0	1		01/05/10 17:33	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.0	1		01/05/10 17:33	106-93-4	
Dibromomethane	ND ug/kg		4.0	1		01/05/10 17:33	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		4.0	1		01/05/10 17:33	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		4.0	1		01/05/10 17:33	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		4.0	1		01/05/10 17:33	106-46-7	
Dichlorodifluoromethane	ND ug/kg		8.0	1		01/05/10 17:33	75-71-8	
1,1-Dichloroethane	ND ug/kg		4.0	1		01/05/10 17:33	75-34-3	
1,2-Dichloroethane	ND ug/kg		4.0	1		01/05/10 17:33	107-06-2	
1,1-Dichloroethene	ND ug/kg		4.0	1		01/05/10 17:33	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		4.0	1		01/05/10 17:33	156-59-2	

ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9260576

Sample: TT-2590-1 Lab ID: 9260576011 Collected: 12/30/09 13:10 Received: 01/04/10 09:30 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						
trans-1,2-Dichloroethene	ND	ug/kg	4.0	1		01/05/10 17:33	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.0	1		01/05/10 17:33	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.0	1		01/05/10 17:33	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.0	1		01/05/10 17:33	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.0	1		01/05/10 17:33	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.0	1		01/05/10 17:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.0	1		01/05/10 17:33	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.0	1		01/05/10 17:33	108-20-3	
Ethylbenzene	ND	ug/kg	4.0	1		01/05/10 17:33	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.0	1		01/05/10 17:33	87-68-3	
2-Hexanone	ND	ug/kg	40.0	1		01/05/10 17:33	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.0	1		01/05/10 17:33	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.0	1		01/05/10 17:33	99-87-6	
Methylene Chloride	ND	ug/kg	16.0	1		01/05/10 17:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	40.0	1		01/05/10 17:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.0	1		01/05/10 17:33	1634-04-4	
Naphthalene	ND	ug/kg	4.0	1		01/05/10 17:33	91-20-3	
n-Propylbenzene	ND	ug/kg	4.0	1		01/05/10 17:33	103-65-1	
Styrene	ND	ug/kg	4.0	1		01/05/10 17:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.0	1		01/05/10 17:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.0	1		01/05/10 17:33	79-34-5	
Tetrachloroethene	ND	ug/kg	4.0	1		01/05/10 17:33	127-18-4	
Toluene	ND	ug/kg	4.0	1		01/05/10 17:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.0	1		01/05/10 17:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.0	1		01/05/10 17:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.0	1		01/05/10 17:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.0	1		01/05/10 17:33	79-00-5	
Trichloroethene	ND	ug/kg	4.0	1		01/05/10 17:33	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.0	1		01/05/10 17:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.0	1		01/05/10 17:33	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.0	1		01/05/10 17:33	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.0	1		01/05/10 17:33	108-67-8	
Vinyl acetate	ND	ug/kg	40.0	1		01/05/10 17:33	108-05-4	
Vinyl chloride	ND	ug/kg	8.0	1		01/05/10 17:33	75-01-4	
Xylene (Total)	ND	ug/kg	8.0	1		01/05/10 17:33	1330-20-7	
m&p-Xylene	ND	ug/kg	8.0	1		01/05/10 17:33	1330-20-7	
o-Xylene	ND	ug/kg	4.0	1		01/05/10 17:33	95-47-6	
Dibromofluoromethane (S)	115	%	79-116	1		01/05/10 17:33	1868-53-7	
Toluene-d8 (S)	101	%	88-110	1		01/05/10 17:33	2037-26-5	
4-Bromofluorobenzene (S)	102	%	74-115	1		01/05/10 17:33	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	69-121	1		01/05/10 17:33	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	14.5 %	0.10	1	01/05/10 14:42
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9260576

Sample: TT-2590-2 **Lab ID:** 9260576012 **Collected:** 12/30/09 13:25 **Received:** 01/04/10 09:30 **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	01/06/10 09:50	01/07/10 13:50	68334-30-5	
n-Pentacosane (S)	72 %		50-135	1	01/06/10 09:50	01/07/10 13:50	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		4.3	1	01/07/10 18:37	01/09/10 00:48	8006-61-9	
4-Bromofluorobenzene (S)	144 %		50-135	1	01/07/10 18:37	01/09/10 00:48	460-00-4	S3
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		7.2	1	01/07/10 18:34	01/08/10 07:06		
Aliphatic (C09-C12)	ND mg/kg		7.2	1	01/07/10 18:34	01/08/10 07:06		
Aromatic (C09-C10)	ND mg/kg		7.2	1	01/07/10 18:34	01/08/10 07:06		
2,5-Dibromotoluene (PID)(S)	120 %		70-130	1	01/07/10 18:34	01/08/10 07:06		
2,5-Dibromotoluene (FID)(S)	133 %		70-130	1	01/07/10 18:34	01/08/10 07:06		S3
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND ug/kg		73.7	1		01/05/10 17:51	67-64-1	
Benzene	ND ug/kg		3.7	1		01/05/10 17:51	71-43-2	
Bromobenzene	ND ug/kg		3.7	1		01/05/10 17:51	108-86-1	
Bromochloromethane	ND ug/kg		3.7	1		01/05/10 17:51	74-97-5	
Bromodichloromethane	ND ug/kg		3.7	1		01/05/10 17:51	75-27-4	
Bromoform	ND ug/kg		3.7	1		01/05/10 17:51	75-25-2	
Bromomethane	ND ug/kg		7.4	1		01/05/10 17:51	74-83-9	
2-Butanone (MEK)	ND ug/kg		73.7	1		01/05/10 17:51	78-93-3	
n-Butylbenzene	ND ug/kg		3.7	1		01/05/10 17:51	104-51-8	
sec-Butylbenzene	ND ug/kg		3.7	1		01/05/10 17:51	135-98-8	
tert-Butylbenzene	ND ug/kg		3.7	1		01/05/10 17:51	98-06-6	
Carbon tetrachloride	ND ug/kg		3.7	1		01/05/10 17:51	56-23-5	
Chlorobenzene	ND ug/kg		3.7	1		01/05/10 17:51	108-90-7	
Chloroethane	ND ug/kg		7.4	1		01/05/10 17:51	75-00-3	
Chloroform	ND ug/kg		3.7	1		01/05/10 17:51	67-66-3	
Chloromethane	ND ug/kg		7.4	1		01/05/10 17:51	74-87-3	
2-Chlorotoluene	ND ug/kg		3.7	1		01/05/10 17:51	95-49-8	
4-Chlorotoluene	ND ug/kg		3.7	1		01/05/10 17:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		3.7	1		01/05/10 17:51	96-12-8	
Dibromochloromethane	ND ug/kg		3.7	1		01/05/10 17:51	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		3.7	1		01/05/10 17:51	106-93-4	
Dibromomethane	ND ug/kg		3.7	1		01/05/10 17:51	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		3.7	1		01/05/10 17:51	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		3.7	1		01/05/10 17:51	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		3.7	1		01/05/10 17:51	106-46-7	
Dichlorodifluoromethane	ND ug/kg		7.4	1		01/05/10 17:51	75-71-8	
1,1-Dichloroethane	ND ug/kg		3.7	1		01/05/10 17:51	75-34-3	
1,2-Dichloroethane	ND ug/kg		3.7	1		01/05/10 17:51	107-06-2	
1,1-Dichloroethene	ND ug/kg		3.7	1		01/05/10 17:51	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		3.7	1		01/05/10 17:51	156-59-2	

ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9260576

Sample: TT-2590-2 **Lab ID:** 9260576012 **Collected:** 12/30/09 13:25 **Received:** 01/04/10 09:30 **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						
trans-1,2-Dichloroethene	ND	ug/kg	3.7	1		01/05/10 17:51	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.7	1		01/05/10 17:51	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.7	1		01/05/10 17:51	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.7	1		01/05/10 17:51	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.7	1		01/05/10 17:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.7	1		01/05/10 17:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.7	1		01/05/10 17:51	10061-02-6	
Diisopropyl ether	ND	ug/kg	3.7	1		01/05/10 17:51	108-20-3	
Ethylbenzene	ND	ug/kg	3.7	1		01/05/10 17:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.7	1		01/05/10 17:51	87-68-3	
2-Hexanone	ND	ug/kg	36.9	1		01/05/10 17:51	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.7	1		01/05/10 17:51	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.7	1		01/05/10 17:51	99-87-6	
Methylene Chloride	ND	ug/kg	14.7	1		01/05/10 17:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	36.9	1		01/05/10 17:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.7	1		01/05/10 17:51	1634-04-4	
Naphthalene	ND	ug/kg	3.7	1		01/05/10 17:51	91-20-3	
n-Propylbenzene	ND	ug/kg	3.7	1		01/05/10 17:51	103-65-1	
Styrene	ND	ug/kg	3.7	1		01/05/10 17:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.7	1		01/05/10 17:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.7	1		01/05/10 17:51	79-34-5	
Tetrachloroethene	ND	ug/kg	3.7	1		01/05/10 17:51	127-18-4	
Toluene	ND	ug/kg	3.7	1		01/05/10 17:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.7	1		01/05/10 17:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.7	1		01/05/10 17:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.7	1		01/05/10 17:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.7	1		01/05/10 17:51	79-00-5	
Trichloroethene	ND	ug/kg	3.7	1		01/05/10 17:51	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.7	1		01/05/10 17:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.7	1		01/05/10 17:51	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.7	1		01/05/10 17:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.7	1		01/05/10 17:51	108-67-8	
Vinyl acetate	ND	ug/kg	36.9	1		01/05/10 17:51	108-05-4	
Vinyl chloride	ND	ug/kg	7.4	1		01/05/10 17:51	75-01-4	
Xylene (Total)	ND	ug/kg	7.4	1		01/05/10 17:51	1330-20-7	
m&p-Xylene	ND	ug/kg	7.4	1		01/05/10 17:51	1330-20-7	
o-Xylene	ND	ug/kg	3.7	1		01/05/10 17:51	95-47-6	
Dibromofluoromethane (S)	119	%	79-116	1		01/05/10 17:51	1868-53-7	S3
Toluene-d8 (S)	102	%	88-110	1		01/05/10 17:51	2037-26-5	
4-Bromofluorobenzene (S)	102	%	74-115	1		01/05/10 17:51	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	69-121	1		01/05/10 17:51	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	13.0 %	0.10	1	01/05/10 14:43
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9260576

Sample: TT-2590-3 **Lab ID:** 9260576013 **Collected:** 12/30/09 13:45 **Received:** 01/04/10 09:30 **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	01/06/10 09:50	01/07/10 13:50	68334-30-5	
n-Pentacosane (S)	90 %		50-135	1	01/06/10 09:50	01/07/10 13:50	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		5.3	1	01/07/10 18:37	01/09/10 01:12	8006-61-9	
4-Bromofluorobenzene (S)	94 %		50-135	1	01/07/10 18:37	01/09/10 01:12	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		8.8	1	01/07/10 18:34	01/08/10 07:31		
Aliphatic (C09-C12)	ND mg/kg		8.8	1	01/07/10 18:34	01/08/10 07:31		
Aromatic (C09-C10)	ND mg/kg		8.8	1	01/07/10 18:34	01/08/10 07:31		
2,5-Dibromotoluene (PID)(S)	123 %		70-130	1	01/07/10 18:34	01/08/10 07:31		
2,5-Dibromotoluene (FID)(S)	135 %		70-130	1	01/07/10 18:34	01/08/10 07:31		S3
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND ug/kg		77.8	1		01/05/10 18:10	67-64-1	
Benzene	ND ug/kg		3.9	1		01/05/10 18:10	71-43-2	
Bromobenzene	ND ug/kg		3.9	1		01/05/10 18:10	108-86-1	
Bromochloromethane	ND ug/kg		3.9	1		01/05/10 18:10	74-97-5	
Bromodichloromethane	ND ug/kg		3.9	1		01/05/10 18:10	75-27-4	
Bromoform	ND ug/kg		3.9	1		01/05/10 18:10	75-25-2	
Bromomethane	ND ug/kg		7.8	1		01/05/10 18:10	74-83-9	
2-Butanone (MEK)	ND ug/kg		77.8	1		01/05/10 18:10	78-93-3	
n-Butylbenzene	ND ug/kg		3.9	1		01/05/10 18:10	104-51-8	
sec-Butylbenzene	ND ug/kg		3.9	1		01/05/10 18:10	135-98-8	
tert-Butylbenzene	ND ug/kg		3.9	1		01/05/10 18:10	98-06-6	
Carbon tetrachloride	ND ug/kg		3.9	1		01/05/10 18:10	56-23-5	
Chlorobenzene	ND ug/kg		3.9	1		01/05/10 18:10	108-90-7	
Chloroethane	ND ug/kg		7.8	1		01/05/10 18:10	75-00-3	
Chloroform	ND ug/kg		3.9	1		01/05/10 18:10	67-66-3	
Chloromethane	ND ug/kg		7.8	1		01/05/10 18:10	74-87-3	
2-Chlorotoluene	ND ug/kg		3.9	1		01/05/10 18:10	95-49-8	
4-Chlorotoluene	ND ug/kg		3.9	1		01/05/10 18:10	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		3.9	1		01/05/10 18:10	96-12-8	
Dibromochloromethane	ND ug/kg		3.9	1		01/05/10 18:10	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		3.9	1		01/05/10 18:10	106-93-4	
Dibromomethane	ND ug/kg		3.9	1		01/05/10 18:10	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		3.9	1		01/05/10 18:10	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		3.9	1		01/05/10 18:10	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		3.9	1		01/05/10 18:10	106-46-7	
Dichlorodifluoromethane	ND ug/kg		7.8	1		01/05/10 18:10	75-71-8	
1,1-Dichloroethane	ND ug/kg		3.9	1		01/05/10 18:10	75-34-3	
1,2-Dichloroethane	ND ug/kg		3.9	1		01/05/10 18:10	107-06-2	
1,1-Dichloroethene	ND ug/kg		3.9	1		01/05/10 18:10	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		3.9	1		01/05/10 18:10	156-59-2	

ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9260576

Sample: TT-2590-3 Lab ID: 9260576013 Collected: 12/30/09 13:45 Received: 01/04/10 09:30 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						
trans-1,2-Dichloroethene	ND	ug/kg	3.9	1		01/05/10 18:10	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.9	1		01/05/10 18:10	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.9	1		01/05/10 18:10	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.9	1		01/05/10 18:10	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.9	1		01/05/10 18:10	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.9	1		01/05/10 18:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.9	1		01/05/10 18:10	10061-02-6	
Diisopropyl ether	ND	ug/kg	3.9	1		01/05/10 18:10	108-20-3	
Ethylbenzene	ND	ug/kg	3.9	1		01/05/10 18:10	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.9	1		01/05/10 18:10	87-68-3	
2-Hexanone	ND	ug/kg	38.9	1		01/05/10 18:10	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.9	1		01/05/10 18:10	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.9	1		01/05/10 18:10	99-87-6	
Methylene Chloride	ND	ug/kg	15.6	1		01/05/10 18:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	38.9	1		01/05/10 18:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.9	1		01/05/10 18:10	1634-04-4	
Naphthalene	ND	ug/kg	3.9	1		01/05/10 18:10	91-20-3	
n-Propylbenzene	ND	ug/kg	3.9	1		01/05/10 18:10	103-65-1	
Styrene	ND	ug/kg	3.9	1		01/05/10 18:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.9	1		01/05/10 18:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.9	1		01/05/10 18:10	79-34-5	
Tetrachloroethene	ND	ug/kg	3.9	1		01/05/10 18:10	127-18-4	
Toluene	ND	ug/kg	3.9	1		01/05/10 18:10	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.9	1		01/05/10 18:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.9	1		01/05/10 18:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.9	1		01/05/10 18:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.9	1		01/05/10 18:10	79-00-5	
Trichloroethene	ND	ug/kg	3.9	1		01/05/10 18:10	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.9	1		01/05/10 18:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.9	1		01/05/10 18:10	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.9	1		01/05/10 18:10	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.9	1		01/05/10 18:10	108-67-8	
Vinyl acetate	ND	ug/kg	38.9	1		01/05/10 18:10	108-05-4	
Vinyl chloride	ND	ug/kg	7.8	1		01/05/10 18:10	75-01-4	
Xylene (Total)	ND	ug/kg	7.8	1		01/05/10 18:10	1330-20-7	
m&p-Xylene	ND	ug/kg	7.8	1		01/05/10 18:10	1330-20-7	
o-Xylene	ND	ug/kg	3.9	1		01/05/10 18:10	95-47-6	
Dibromofluoromethane (S)	93	%	79-116	1		01/05/10 18:10	1868-53-7	
Toluene-d8 (S)	100	%	88-110	1		01/05/10 18:10	2037-26-5	
4-Bromofluorobenzene (S)	103	%	74-115	1		01/05/10 18:10	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	69-121	1		01/05/10 18:10	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	15.0	%	0.10	1	01/06/10 08:32
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9260576

Sample: TT-2590-4 **Lab ID:** 9260576014 **Collected:** 12/30/09 14:05 **Received:** 01/04/10 09:30 **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	01/06/10 09:50	01/07/10 14:19	68334-30-5	
n-Pentacosane (S)	57	%	50-135	1	01/06/10 09:50	01/07/10 14:19	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND	mg/kg	4.9	1	01/07/10 18:37	01/09/10 01:37	8006-61-9	
4-Bromofluorobenzene (S)	122	%	50-135	1	01/07/10 18:37	01/09/10 01:37	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND	mg/kg	8.2	1	01/07/10 18:34	01/08/10 07:56		
Aliphatic (C09-C12)	ND	mg/kg	8.2	1	01/07/10 18:34	01/08/10 07:56		
Aromatic (C09-C10)	ND	mg/kg	8.2	1	01/07/10 18:34	01/08/10 07:56		
2,5-Dibromotoluene (PID)(S)	117	%	70-130	1	01/07/10 18:34	01/08/10 07:56		
2,5-Dibromotoluene (FID)(S)	129	%	70-130	1	01/07/10 18:34	01/08/10 07:56		
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND	ug/kg	89.5	1		01/05/10 18:28	67-64-1	
Benzene	ND	ug/kg	4.5	1		01/05/10 18:28	71-43-2	
Bromobenzene	ND	ug/kg	4.5	1		01/05/10 18:28	108-86-1	
Bromochloromethane	ND	ug/kg	4.5	1		01/05/10 18:28	74-97-5	
Bromodichloromethane	ND	ug/kg	4.5	1		01/05/10 18:28	75-27-4	
Bromoform	ND	ug/kg	4.5	1		01/05/10 18:28	75-25-2	
Bromomethane	ND	ug/kg	8.9	1		01/05/10 18:28	74-83-9	
2-Butanone (MEK)	ND	ug/kg	89.5	1		01/05/10 18:28	78-93-3	
n-Butylbenzene	ND	ug/kg	4.5	1		01/05/10 18:28	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.5	1		01/05/10 18:28	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.5	1		01/05/10 18:28	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.5	1		01/05/10 18:28	56-23-5	
Chlorobenzene	ND	ug/kg	4.5	1		01/05/10 18:28	108-90-7	
Chloroethane	ND	ug/kg	8.9	1		01/05/10 18:28	75-00-3	
Chloroform	ND	ug/kg	4.5	1		01/05/10 18:28	67-66-3	
Chloromethane	ND	ug/kg	8.9	1		01/05/10 18:28	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.5	1		01/05/10 18:28	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.5	1		01/05/10 18:28	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.5	1		01/05/10 18:28	96-12-8	
Dibromochloromethane	ND	ug/kg	4.5	1		01/05/10 18:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.5	1		01/05/10 18:28	106-93-4	
Dibromomethane	ND	ug/kg	4.5	1		01/05/10 18:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.5	1		01/05/10 18:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.5	1		01/05/10 18:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.5	1		01/05/10 18:28	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.9	1		01/05/10 18:28	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.5	1		01/05/10 18:28	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.5	1		01/05/10 18:28	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.5	1		01/05/10 18:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.5	1		01/05/10 18:28	156-59-2	

ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9260576

Sample: TT-2590-4 Lab ID: 9260576014 Collected: 12/30/09 14:05 Received: 01/04/10 09:30 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						
trans-1,2-Dichloroethene	ND	ug/kg	4.5	1		01/05/10 18:28	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.5	1		01/05/10 18:28	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.5	1		01/05/10 18:28	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.5	1		01/05/10 18:28	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.5	1		01/05/10 18:28	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.5	1		01/05/10 18:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.5	1		01/05/10 18:28	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.5	1		01/05/10 18:28	108-20-3	
Ethylbenzene	ND	ug/kg	4.5	1		01/05/10 18:28	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.5	1		01/05/10 18:28	87-68-3	
2-Hexanone	ND	ug/kg	44.7	1		01/05/10 18:28	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.5	1		01/05/10 18:28	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.5	1		01/05/10 18:28	99-87-6	
Methylene Chloride	ND	ug/kg	17.9	1		01/05/10 18:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	44.7	1		01/05/10 18:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.5	1		01/05/10 18:28	1634-04-4	
Naphthalene	ND	ug/kg	4.5	1		01/05/10 18:28	91-20-3	
n-Propylbenzene	ND	ug/kg	4.5	1		01/05/10 18:28	103-65-1	
Styrene	ND	ug/kg	4.5	1		01/05/10 18:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.5	1		01/05/10 18:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.5	1		01/05/10 18:28	79-34-5	
Tetrachloroethene	ND	ug/kg	4.5	1		01/05/10 18:28	127-18-4	
Toluene	ND	ug/kg	4.5	1		01/05/10 18:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.5	1		01/05/10 18:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.5	1		01/05/10 18:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.5	1		01/05/10 18:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.5	1		01/05/10 18:28	79-00-5	
Trichloroethene	ND	ug/kg	4.5	1		01/05/10 18:28	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.5	1		01/05/10 18:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.5	1		01/05/10 18:28	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.5	1		01/05/10 18:28	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.5	1		01/05/10 18:28	108-67-8	
Vinyl acetate	ND	ug/kg	44.7	1		01/05/10 18:28	108-05-4	
Vinyl chloride	ND	ug/kg	8.9	1		01/05/10 18:28	75-01-4	
Xylene (Total)	ND	ug/kg	8.9	1		01/05/10 18:28	1330-20-7	
m&p-Xylene	ND	ug/kg	8.9	1		01/05/10 18:28	1330-20-7	
o-Xylene	ND	ug/kg	4.5	1		01/05/10 18:28	95-47-6	
Dibromofluoromethane (S)	95	%	79-116	1		01/05/10 18:28	1868-53-7	
Toluene-d8 (S)	101	%	88-110	1		01/05/10 18:28	2037-26-5	
4-Bromofluorobenzene (S)	101	%	74-115	1		01/05/10 18:28	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	69-121	1		01/05/10 18:28	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	15.7 %	0.10	1	01/06/10 08:33
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9260576

Sample: TT-2590-B-8 **Lab ID:** 9260576015 **Collected:** 12/30/09 14:25 **Received:** 01/04/10 09:30 **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	01/06/10 09:50	01/07/10 14:19	68334-30-5	
n-Pentacosane (S)	61	%	50-135	1	01/06/10 09:50	01/07/10 14:19	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND	mg/kg	5.7	1	01/07/10 18:37	01/09/10 02:02	8006-61-9	
4-Bromofluorobenzene (S)	124	%	50-135	1	01/07/10 18:37	01/09/10 02:02	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND	mg/kg	9.5	1	01/07/10 18:34	01/08/10 08:20		
Aliphatic (C09-C12)	ND	mg/kg	9.5	1	01/07/10 18:34	01/08/10 08:20		
Aromatic (C09-C10)	ND	mg/kg	9.5	1	01/07/10 18:34	01/08/10 08:20		
2,5-Dibromotoluene (PID)(S)	116	%	70-130	1	01/07/10 18:34	01/08/10 08:20		
2,5-Dibromotoluene (FID)(S)	131	%	70-130	1	01/07/10 18:34	01/08/10 08:20		S3
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND	ug/kg	152	1		01/05/10 20:16	67-64-1	
Benzene	ND	ug/kg	7.6	1		01/05/10 20:16	71-43-2	
Bromobenzene	ND	ug/kg	7.6	1		01/05/10 20:16	108-86-1	
Bromochloromethane	ND	ug/kg	7.6	1		01/05/10 20:16	74-97-5	
Bromodichloromethane	ND	ug/kg	7.6	1		01/05/10 20:16	75-27-4	
Bromoform	ND	ug/kg	7.6	1		01/05/10 20:16	75-25-2	
Bromomethane	ND	ug/kg	15.2	1		01/05/10 20:16	74-83-9	
2-Butanone (MEK)	ND	ug/kg	152	1		01/05/10 20:16	78-93-3	
n-Butylbenzene	ND	ug/kg	7.6	1		01/05/10 20:16	104-51-8	
sec-Butylbenzene	ND	ug/kg	7.6	1		01/05/10 20:16	135-98-8	
tert-Butylbenzene	ND	ug/kg	7.6	1		01/05/10 20:16	98-06-6	
Carbon tetrachloride	ND	ug/kg	7.6	1		01/05/10 20:16	56-23-5	
Chlorobenzene	ND	ug/kg	7.6	1		01/05/10 20:16	108-90-7	
Chloroethane	ND	ug/kg	15.2	1		01/05/10 20:16	75-00-3	
Chloroform	ND	ug/kg	7.6	1		01/05/10 20:16	67-66-3	
Chloromethane	ND	ug/kg	15.2	1		01/05/10 20:16	74-87-3	
2-Chlorotoluene	ND	ug/kg	7.6	1		01/05/10 20:16	95-49-8	
4-Chlorotoluene	ND	ug/kg	7.6	1		01/05/10 20:16	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.6	1		01/05/10 20:16	96-12-8	
Dibromochloromethane	ND	ug/kg	7.6	1		01/05/10 20:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	7.6	1		01/05/10 20:16	106-93-4	
Dibromomethane	ND	ug/kg	7.6	1		01/05/10 20:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	7.6	1		01/05/10 20:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.6	1		01/05/10 20:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.6	1		01/05/10 20:16	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	15.2	1		01/05/10 20:16	75-71-8	
1,1-Dichloroethane	ND	ug/kg	7.6	1		01/05/10 20:16	75-34-3	
1,2-Dichloroethane	ND	ug/kg	7.6	1		01/05/10 20:16	107-06-2	
1,1-Dichloroethene	ND	ug/kg	7.6	1		01/05/10 20:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	7.6	1		01/05/10 20:16	156-59-2	

ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9260576

Sample: TT-2590-B-8 Lab ID: 9260576015 Collected: 12/30/09 14:25 Received: 01/04/10 09:30 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						
trans-1,2-Dichloroethene	ND	ug/kg	7.6	1		01/05/10 20:16	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.6	1		01/05/10 20:16	78-87-5	
1,3-Dichloropropane	ND	ug/kg	7.6	1		01/05/10 20:16	142-28-9	
2,2-Dichloropropane	ND	ug/kg	7.6	1		01/05/10 20:16	594-20-7	
1,1-Dichloropropene	ND	ug/kg	7.6	1		01/05/10 20:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	7.6	1		01/05/10 20:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.6	1		01/05/10 20:16	10061-02-6	
Diisopropyl ether	ND	ug/kg	7.6	1		01/05/10 20:16	108-20-3	
Ethylbenzene	ND	ug/kg	7.6	1		01/05/10 20:16	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	7.6	1		01/05/10 20:16	87-68-3	
2-Hexanone	ND	ug/kg	75.8	1		01/05/10 20:16	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	7.6	1		01/05/10 20:16	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.6	1		01/05/10 20:16	99-87-6	
Methylene Chloride	ND	ug/kg	30.3	1		01/05/10 20:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	75.8	1		01/05/10 20:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	7.6	1		01/05/10 20:16	1634-04-4	
Naphthalene	ND	ug/kg	7.6	1		01/05/10 20:16	91-20-3	
n-Propylbenzene	ND	ug/kg	7.6	1		01/05/10 20:16	103-65-1	
Styrene	ND	ug/kg	7.6	1		01/05/10 20:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	7.6	1		01/05/10 20:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7.6	1		01/05/10 20:16	79-34-5	
Tetrachloroethene	ND	ug/kg	7.6	1		01/05/10 20:16	127-18-4	
Toluene	ND	ug/kg	7.6	1		01/05/10 20:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	7.6	1		01/05/10 20:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	7.6	1		01/05/10 20:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	7.6	1		01/05/10 20:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	7.6	1		01/05/10 20:16	79-00-5	
Trichloroethene	ND	ug/kg	7.6	1		01/05/10 20:16	79-01-6	
Trichlorofluoromethane	ND	ug/kg	7.6	1		01/05/10 20:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	7.6	1		01/05/10 20:16	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	7.6	1		01/05/10 20:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	7.6	1		01/05/10 20:16	108-67-8	
Vinyl acetate	ND	ug/kg	75.8	1		01/05/10 20:16	108-05-4	
Vinyl chloride	ND	ug/kg	15.2	1		01/05/10 20:16	75-01-4	
Xylene (Total)	ND	ug/kg	15.2	1		01/05/10 20:16	1330-20-7	
m&p-Xylene	ND	ug/kg	15.2	1		01/05/10 20:16	1330-20-7	
o-Xylene	ND	ug/kg	7.6	1		01/05/10 20:16	95-47-6	
Dibromofluoromethane (S)	105	%	79-116	1		01/05/10 20:16	1868-53-7	
Toluene-d8 (S)	100	%	88-110	1		01/05/10 20:16	2037-26-5	
4-Bromofluorobenzene (S)	100	%	74-115	1		01/05/10 20:16	460-00-4	
1,2-Dichloroethane-d4 (S)	119	%	69-121	1		01/05/10 20:16	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	15.8 %	0.10	1	01/06/10 08:34
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9260576

Sample: TT-2594-1 **Lab ID:** 9260576016 **Collected:** 12/30/09 09:45 **Received:** 01/04/10 09:30 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND	mg/kg	6.2	1	01/06/10 09:50	01/07/10 14:47	68334-30-5	
n-Pentacosane (S)	71	%	50-135	1	01/06/10 09:50	01/07/10 14:47	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND	mg/kg	6.0	1	01/07/10 18:37	01/09/10 02:27	8006-61-9	
4-Bromofluorobenzene (S)	107	%	50-135	1	01/07/10 18:37	01/09/10 02:27	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND	mg/kg	9.9	1	01/07/10 18:34	01/08/10 10:30		
Aliphatic (C09-C12)	ND	mg/kg	9.9	1	01/07/10 18:34	01/08/10 10:30		
Aromatic (C09-C10)	ND	mg/kg	9.9	1	01/07/10 18:34	01/08/10 10:30		
2,5-Dibromotoluene (PID)(S)	115	%	70-130	1	01/07/10 18:34	01/08/10 10:30		
2,5-Dibromotoluene (FID)(S)	140	%	70-130	1	01/07/10 18:34	01/08/10 10:30		S3
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND	ug/kg	83.8	1		01/05/10 18:45	67-64-1	
Benzene	ND	ug/kg	4.2	1		01/05/10 18:45	71-43-2	
Bromobenzene	ND	ug/kg	4.2	1		01/05/10 18:45	108-86-1	
Bromochloromethane	ND	ug/kg	4.2	1		01/05/10 18:45	74-97-5	
Bromodichloromethane	ND	ug/kg	4.2	1		01/05/10 18:45	75-27-4	
Bromoform	ND	ug/kg	4.2	1		01/05/10 18:45	75-25-2	
Bromomethane	ND	ug/kg	8.4	1		01/05/10 18:45	74-83-9	
2-Butanone (MEK)	ND	ug/kg	83.8	1		01/05/10 18:45	78-93-3	
n-Butylbenzene	ND	ug/kg	4.2	1		01/05/10 18:45	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.2	1		01/05/10 18:45	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.2	1		01/05/10 18:45	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.2	1		01/05/10 18:45	56-23-5	
Chlorobenzene	ND	ug/kg	4.2	1		01/05/10 18:45	108-90-7	
Chloroethane	ND	ug/kg	8.4	1		01/05/10 18:45	75-00-3	
Chloroform	ND	ug/kg	4.2	1		01/05/10 18:45	67-66-3	
Chloromethane	ND	ug/kg	8.4	1		01/05/10 18:45	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.2	1		01/05/10 18:45	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.2	1		01/05/10 18:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.2	1		01/05/10 18:45	96-12-8	
Dibromochloromethane	ND	ug/kg	4.2	1		01/05/10 18:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.2	1		01/05/10 18:45	106-93-4	
Dibromomethane	ND	ug/kg	4.2	1		01/05/10 18:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.2	1		01/05/10 18:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.2	1		01/05/10 18:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.2	1		01/05/10 18:45	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.4	1		01/05/10 18:45	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.2	1		01/05/10 18:45	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.2	1		01/05/10 18:45	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.2	1		01/05/10 18:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.2	1		01/05/10 18:45	156-59-2	

ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9260576

Sample: TT-2594-1 Lab ID: 9260576016 Collected: 12/30/09 09:45 Received: 01/04/10 09:30 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						
trans-1,2-Dichloroethene	ND	ug/kg	4.2	1		01/05/10 18:45	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.2	1		01/05/10 18:45	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.2	1		01/05/10 18:45	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.2	1		01/05/10 18:45	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.2	1		01/05/10 18:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.2	1		01/05/10 18:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.2	1		01/05/10 18:45	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.2	1		01/05/10 18:45	108-20-3	
Ethylbenzene	ND	ug/kg	4.2	1		01/05/10 18:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.2	1		01/05/10 18:45	87-68-3	
2-Hexanone	ND	ug/kg	41.9	1		01/05/10 18:45	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.2	1		01/05/10 18:45	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.2	1		01/05/10 18:45	99-87-6	
Methylene Chloride	ND	ug/kg	16.8	1		01/05/10 18:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	41.9	1		01/05/10 18:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.2	1		01/05/10 18:45	1634-04-4	
Naphthalene	ND	ug/kg	4.2	1		01/05/10 18:45	91-20-3	
n-Propylbenzene	ND	ug/kg	4.2	1		01/05/10 18:45	103-65-1	
Styrene	ND	ug/kg	4.2	1		01/05/10 18:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.2	1		01/05/10 18:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.2	1		01/05/10 18:45	79-34-5	
Tetrachloroethene	ND	ug/kg	4.2	1		01/05/10 18:45	127-18-4	
Toluene	ND	ug/kg	4.2	1		01/05/10 18:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.2	1		01/05/10 18:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.2	1		01/05/10 18:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.2	1		01/05/10 18:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.2	1		01/05/10 18:45	79-00-5	
Trichloroethene	ND	ug/kg	4.2	1		01/05/10 18:45	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.2	1		01/05/10 18:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.2	1		01/05/10 18:45	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.2	1		01/05/10 18:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.2	1		01/05/10 18:45	108-67-8	
Vinyl acetate	ND	ug/kg	41.9	1		01/05/10 18:45	108-05-4	
Vinyl chloride	ND	ug/kg	8.4	1		01/05/10 18:45	75-01-4	
Xylene (Total)	ND	ug/kg	8.4	1		01/05/10 18:45	1330-20-7	
m&p-Xylene	ND	ug/kg	8.4	1		01/05/10 18:45	1330-20-7	
o-Xylene	ND	ug/kg	4.2	1		01/05/10 18:45	95-47-6	
Dibromofluoromethane (S)	94	%	79-116	1		01/05/10 18:45	1868-53-7	
Toluene-d8 (S)	101	%	88-110	1		01/05/10 18:45	2037-26-5	
4-Bromofluorobenzene (S)	101	%	74-115	1		01/05/10 18:45	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	69-121	1		01/05/10 18:45	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	18.8 %	0.10	1	01/06/10 08:34
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9260576

Sample: TT-2594-2 **Lab ID:** 9260576017 **Collected:** 12/30/09 10:30 **Received:** 01/04/10 09:30 **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	01/06/10 09:50	01/07/10 15:16	68334-30-5	
n-Pentacosane (S)	77	%	50-135	1	01/06/10 09:50	01/07/10 15:16	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND	mg/kg	5.2	1	01/07/10 18:37	01/09/10 02:52	8006-61-9	
4-Bromofluorobenzene (S)	119	%	50-135	1	01/07/10 18:37	01/09/10 02:52	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND	mg/kg	8.7	1	01/07/10 18:34	01/08/10 10:55		
Aliphatic (C09-C12)	ND	mg/kg	8.7	1	01/07/10 18:34	01/08/10 10:55		
Aromatic (C09-C10)	ND	mg/kg	8.7	1	01/07/10 18:34	01/08/10 10:55		
2,5-Dibromotoluene (PID)(S)	114	%	70-130	1	01/07/10 18:34	01/08/10 10:55		
2,5-Dibromotoluene (FID)(S)	124	%	70-130	1	01/07/10 18:34	01/08/10 10:55		
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND	ug/kg	115	1		01/05/10 19:03	67-64-1	
Benzene	ND	ug/kg	5.7	1		01/05/10 19:03	71-43-2	
Bromobenzene	ND	ug/kg	5.7	1		01/05/10 19:03	108-86-1	
Bromochloromethane	ND	ug/kg	5.7	1		01/05/10 19:03	74-97-5	
Bromodichloromethane	ND	ug/kg	5.7	1		01/05/10 19:03	75-27-4	
Bromoform	ND	ug/kg	5.7	1		01/05/10 19:03	75-25-2	
Bromomethane	ND	ug/kg	11.5	1		01/05/10 19:03	74-83-9	
2-Butanone (MEK)	ND	ug/kg	115	1		01/05/10 19:03	78-93-3	
n-Butylbenzene	ND	ug/kg	5.7	1		01/05/10 19:03	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.7	1		01/05/10 19:03	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.7	1		01/05/10 19:03	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.7	1		01/05/10 19:03	56-23-5	
Chlorobenzene	ND	ug/kg	5.7	1		01/05/10 19:03	108-90-7	
Chloroethane	ND	ug/kg	11.5	1		01/05/10 19:03	75-00-3	
Chloroform	ND	ug/kg	5.7	1		01/05/10 19:03	67-66-3	
Chloromethane	ND	ug/kg	11.5	1		01/05/10 19:03	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.7	1		01/05/10 19:03	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.7	1		01/05/10 19:03	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.7	1		01/05/10 19:03	96-12-8	
Dibromochloromethane	ND	ug/kg	5.7	1		01/05/10 19:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.7	1		01/05/10 19:03	106-93-4	
Dibromomethane	ND	ug/kg	5.7	1		01/05/10 19:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.7	1		01/05/10 19:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.7	1		01/05/10 19:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.7	1		01/05/10 19:03	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.5	1		01/05/10 19:03	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.7	1		01/05/10 19:03	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.7	1		01/05/10 19:03	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.7	1		01/05/10 19:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.7	1		01/05/10 19:03	156-59-2	

ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9260576

Sample: TT-2594-2 Lab ID: 9260576017 Collected: 12/30/09 10:30 Received: 01/04/10 09:30 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						
trans-1,2-Dichloroethene	ND	ug/kg	5.7	1		01/05/10 19:03	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.7	1		01/05/10 19:03	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.7	1		01/05/10 19:03	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.7	1		01/05/10 19:03	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.7	1		01/05/10 19:03	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.7	1		01/05/10 19:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.7	1		01/05/10 19:03	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.7	1		01/05/10 19:03	108-20-3	
Ethylbenzene	ND	ug/kg	5.7	1		01/05/10 19:03	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.7	1		01/05/10 19:03	87-68-3	
2-Hexanone	ND	ug/kg	57.3	1		01/05/10 19:03	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.7	1		01/05/10 19:03	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.7	1		01/05/10 19:03	99-87-6	
Methylene Chloride	ND	ug/kg	22.9	1		01/05/10 19:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	57.3	1		01/05/10 19:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.7	1		01/05/10 19:03	1634-04-4	
Naphthalene	ND	ug/kg	5.7	1		01/05/10 19:03	91-20-3	
n-Propylbenzene	ND	ug/kg	5.7	1		01/05/10 19:03	103-65-1	
Styrene	ND	ug/kg	5.7	1		01/05/10 19:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.7	1		01/05/10 19:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.7	1		01/05/10 19:03	79-34-5	
Tetrachloroethene	ND	ug/kg	5.7	1		01/05/10 19:03	127-18-4	
Toluene	ND	ug/kg	5.7	1		01/05/10 19:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.7	1		01/05/10 19:03	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.7	1		01/05/10 19:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.7	1		01/05/10 19:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.7	1		01/05/10 19:03	79-00-5	
Trichloroethene	ND	ug/kg	5.7	1		01/05/10 19:03	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.7	1		01/05/10 19:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.7	1		01/05/10 19:03	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.7	1		01/05/10 19:03	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.7	1		01/05/10 19:03	108-67-8	
Vinyl acetate	ND	ug/kg	57.3	1		01/05/10 19:03	108-05-4	
Vinyl chloride	ND	ug/kg	11.5	1		01/05/10 19:03	75-01-4	
Xylene (Total)	ND	ug/kg	11.5	1		01/05/10 19:03	1330-20-7	
m&p-Xylene	ND	ug/kg	11.5	1		01/05/10 19:03	1330-20-7	
o-Xylene	ND	ug/kg	5.7	1		01/05/10 19:03	95-47-6	
Dibromofluoromethane (S)	116	%	79-116	1		01/05/10 19:03	1868-53-7	
Toluene-d8 (S)	101	%	88-110	1		01/05/10 19:03	2037-26-5	
4-Bromofluorobenzene (S)	102	%	74-115	1		01/05/10 19:03	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	69-121	1		01/05/10 19:03	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	22.2 %	0.10	1	01/06/10 08:34
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9260576

Sample: TT-2594-3 **Lab ID:** 9260576018 **Collected:** 12/30/09 11:05 **Received:** 01/04/10 09:30 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND	mg/kg	6.0	1	01/06/10 09:50	01/07/10 15:45	68334-30-5	
n-Pentacosane (S)	81	%	50-135	1	01/06/10 09:50	01/07/10 15:45	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND	mg/kg	5.1	1	01/07/10 18:37	01/09/10 03:16	8006-61-9	
4-Bromofluorobenzene (S)	134	%	50-135	1	01/07/10 18:37	01/09/10 03:16	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND	mg/kg	8.4	1	01/07/10 18:34	01/08/10 11:20		
Aliphatic (C09-C12)	ND	mg/kg	8.4	1	01/07/10 18:34	01/08/10 11:20		
Aromatic (C09-C10)	ND	mg/kg	8.4	1	01/07/10 18:34	01/08/10 11:20		
2,5-Dibromotoluene (PID)(S)	106	%	70-130	1	01/07/10 18:34	01/08/10 11:20		
2,5-Dibromotoluene (FID)(S)	115	%	70-130	1	01/07/10 18:34	01/08/10 11:20		
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND	ug/kg	84.8	1		01/05/10 19:21	67-64-1	
Benzene	ND	ug/kg	4.2	1		01/05/10 19:21	71-43-2	
Bromobenzene	ND	ug/kg	4.2	1		01/05/10 19:21	108-86-1	
Bromochloromethane	ND	ug/kg	4.2	1		01/05/10 19:21	74-97-5	
Bromodichloromethane	ND	ug/kg	4.2	1		01/05/10 19:21	75-27-4	
Bromoform	ND	ug/kg	4.2	1		01/05/10 19:21	75-25-2	
Bromomethane	ND	ug/kg	8.5	1		01/05/10 19:21	74-83-9	
2-Butanone (MEK)	ND	ug/kg	84.8	1		01/05/10 19:21	78-93-3	
n-Butylbenzene	ND	ug/kg	4.2	1		01/05/10 19:21	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.2	1		01/05/10 19:21	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.2	1		01/05/10 19:21	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.2	1		01/05/10 19:21	56-23-5	
Chlorobenzene	ND	ug/kg	4.2	1		01/05/10 19:21	108-90-7	
Chloroethane	ND	ug/kg	8.5	1		01/05/10 19:21	75-00-3	
Chloroform	ND	ug/kg	4.2	1		01/05/10 19:21	67-66-3	
Chloromethane	ND	ug/kg	8.5	1		01/05/10 19:21	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.2	1		01/05/10 19:21	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.2	1		01/05/10 19:21	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.2	1		01/05/10 19:21	96-12-8	
Dibromochloromethane	ND	ug/kg	4.2	1		01/05/10 19:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.2	1		01/05/10 19:21	106-93-4	
Dibromomethane	ND	ug/kg	4.2	1		01/05/10 19:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.2	1		01/05/10 19:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.2	1		01/05/10 19:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.2	1		01/05/10 19:21	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.5	1		01/05/10 19:21	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.2	1		01/05/10 19:21	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.2	1		01/05/10 19:21	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.2	1		01/05/10 19:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.2	1		01/05/10 19:21	156-59-2	

ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9260576

Sample: TT-2594-3 Lab ID: 9260576018 Collected: 12/30/09 11:05 Received: 01/04/10 09:30 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						
trans-1,2-Dichloroethene	ND	ug/kg	4.2	1		01/05/10 19:21	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.2	1		01/05/10 19:21	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.2	1		01/05/10 19:21	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.2	1		01/05/10 19:21	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.2	1		01/05/10 19:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.2	1		01/05/10 19:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.2	1		01/05/10 19:21	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.2	1		01/05/10 19:21	108-20-3	
Ethylbenzene	ND	ug/kg	4.2	1		01/05/10 19:21	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.2	1		01/05/10 19:21	87-68-3	
2-Hexanone	ND	ug/kg	42.4	1		01/05/10 19:21	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.2	1		01/05/10 19:21	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.2	1		01/05/10 19:21	99-87-6	
Methylene Chloride	ND	ug/kg	17.0	1		01/05/10 19:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	42.4	1		01/05/10 19:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.2	1		01/05/10 19:21	1634-04-4	
Naphthalene	ND	ug/kg	4.2	1		01/05/10 19:21	91-20-3	
n-Propylbenzene	ND	ug/kg	4.2	1		01/05/10 19:21	103-65-1	
Styrene	ND	ug/kg	4.2	1		01/05/10 19:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.2	1		01/05/10 19:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.2	1		01/05/10 19:21	79-34-5	
Tetrachloroethene	ND	ug/kg	4.2	1		01/05/10 19:21	127-18-4	
Toluene	ND	ug/kg	4.2	1		01/05/10 19:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.2	1		01/05/10 19:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.2	1		01/05/10 19:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.2	1		01/05/10 19:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.2	1		01/05/10 19:21	79-00-5	
Trichloroethene	ND	ug/kg	4.2	1		01/05/10 19:21	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.2	1		01/05/10 19:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.2	1		01/05/10 19:21	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.2	1		01/05/10 19:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.2	1		01/05/10 19:21	108-67-8	
Vinyl acetate	ND	ug/kg	42.4	1		01/05/10 19:21	108-05-4	
Vinyl chloride	ND	ug/kg	8.5	1		01/05/10 19:21	75-01-4	
Xylene (Total)	ND	ug/kg	8.5	1		01/05/10 19:21	1330-20-7	
m&p-Xylene	ND	ug/kg	8.5	1		01/05/10 19:21	1330-20-7	
o-Xylene	ND	ug/kg	4.2	1		01/05/10 19:21	95-47-6	
Dibromofluoromethane (S)	117	%	79-116	1		01/05/10 19:21	1868-53-7	S3
Toluene-d8 (S)	101	%	88-110	1		01/05/10 19:21	2037-26-5	
4-Bromofluorobenzene (S)	101	%	74-115	1		01/05/10 19:21	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	69-121	1		01/05/10 19:21	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	16.7 %	0.10	1	01/06/10 08:34
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9260576

Sample: TT-2594-4 **Lab ID:** 9260576019 **Collected:** 12/30/09 12:03 **Received:** 01/04/10 09:30 **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	01/06/10 09:50	01/07/10 15:45	68334-30-5	
n-Pentacosane (S)	96 %		50-135	1	01/06/10 09:50	01/07/10 15:45	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		5.7	1	01/07/10 18:37	01/09/10 03:41	8006-61-9	
4-Bromofluorobenzene (S)	123 %		50-135	1	01/07/10 18:37	01/09/10 03:41	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		9.5	1	01/07/10 18:34	01/08/10 11:44		
Aliphatic (C09-C12)	ND mg/kg		9.5	1	01/07/10 18:34	01/08/10 11:44		
Aromatic (C09-C10)	ND mg/kg		9.5	1	01/07/10 18:34	01/08/10 11:44		
2,5-Dibromotoluene (PID)(S)	104 %		70-130	1	01/07/10 18:34	01/08/10 11:44		
2,5-Dibromotoluene (FID)(S)	114 %		70-130	1	01/07/10 18:34	01/08/10 11:44		
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND ug/kg		117	1		01/05/10 19:39	67-64-1	
Benzene	ND ug/kg		5.8	1		01/05/10 19:39	71-43-2	
Bromobenzene	ND ug/kg		5.8	1		01/05/10 19:39	108-86-1	
Bromochloromethane	ND ug/kg		5.8	1		01/05/10 19:39	74-97-5	
Bromodichloromethane	ND ug/kg		5.8	1		01/05/10 19:39	75-27-4	
Bromoform	ND ug/kg		5.8	1		01/05/10 19:39	75-25-2	
Bromomethane	ND ug/kg		11.7	1		01/05/10 19:39	74-83-9	
2-Butanone (MEK)	ND ug/kg		117	1		01/05/10 19:39	78-93-3	
n-Butylbenzene	ND ug/kg		5.8	1		01/05/10 19:39	104-51-8	
sec-Butylbenzene	ND ug/kg		5.8	1		01/05/10 19:39	135-98-8	
tert-Butylbenzene	ND ug/kg		5.8	1		01/05/10 19:39	98-06-6	
Carbon tetrachloride	ND ug/kg		5.8	1		01/05/10 19:39	56-23-5	
Chlorobenzene	ND ug/kg		5.8	1		01/05/10 19:39	108-90-7	
Chloroethane	ND ug/kg		11.7	1		01/05/10 19:39	75-00-3	
Chloroform	ND ug/kg		5.8	1		01/05/10 19:39	67-66-3	
Chloromethane	ND ug/kg		11.7	1		01/05/10 19:39	74-87-3	
2-Chlorotoluene	ND ug/kg		5.8	1		01/05/10 19:39	95-49-8	
4-Chlorotoluene	ND ug/kg		5.8	1		01/05/10 19:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		5.8	1		01/05/10 19:39	96-12-8	
Dibromochloromethane	ND ug/kg		5.8	1		01/05/10 19:39	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		5.8	1		01/05/10 19:39	106-93-4	
Dibromomethane	ND ug/kg		5.8	1		01/05/10 19:39	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		5.8	1		01/05/10 19:39	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		5.8	1		01/05/10 19:39	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		5.8	1		01/05/10 19:39	106-46-7	
Dichlorodifluoromethane	ND ug/kg		11.7	1		01/05/10 19:39	75-71-8	
1,1-Dichloroethane	ND ug/kg		5.8	1		01/05/10 19:39	75-34-3	
1,2-Dichloroethane	ND ug/kg		5.8	1		01/05/10 19:39	107-06-2	
1,1-Dichloroethene	ND ug/kg		5.8	1		01/05/10 19:39	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		5.8	1		01/05/10 19:39	156-59-2	

ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9260576

Sample: TT-2594-4 **Lab ID:** 9260576019 **Collected:** 12/30/09 12:03 **Received:** 01/04/10 09:30 **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						
trans-1,2-Dichloroethene	ND	ug/kg	5.8	1		01/05/10 19:39	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.8	1		01/05/10 19:39	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.8	1		01/05/10 19:39	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.8	1		01/05/10 19:39	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.8	1		01/05/10 19:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.8	1		01/05/10 19:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.8	1		01/05/10 19:39	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.8	1		01/05/10 19:39	108-20-3	
Ethylbenzene	ND	ug/kg	5.8	1		01/05/10 19:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.8	1		01/05/10 19:39	87-68-3	
2-Hexanone	ND	ug/kg	58.3	1		01/05/10 19:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.8	1		01/05/10 19:39	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.8	1		01/05/10 19:39	99-87-6	
Methylene Chloride	ND	ug/kg	23.3	1		01/05/10 19:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	58.3	1		01/05/10 19:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.8	1		01/05/10 19:39	1634-04-4	
Naphthalene	ND	ug/kg	5.8	1		01/05/10 19:39	91-20-3	
n-Propylbenzene	ND	ug/kg	5.8	1		01/05/10 19:39	103-65-1	
Styrene	ND	ug/kg	5.8	1		01/05/10 19:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.8	1		01/05/10 19:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.8	1		01/05/10 19:39	79-34-5	
Tetrachloroethene	ND	ug/kg	5.8	1		01/05/10 19:39	127-18-4	
Toluene	ND	ug/kg	5.8	1		01/05/10 19:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.8	1		01/05/10 19:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.8	1		01/05/10 19:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.8	1		01/05/10 19:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.8	1		01/05/10 19:39	79-00-5	
Trichloroethene	ND	ug/kg	5.8	1		01/05/10 19:39	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.8	1		01/05/10 19:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.8	1		01/05/10 19:39	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.8	1		01/05/10 19:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.8	1		01/05/10 19:39	108-67-8	
Vinyl acetate	ND	ug/kg	58.3	1		01/05/10 19:39	108-05-4	
Vinyl chloride	ND	ug/kg	11.7	1		01/05/10 19:39	75-01-4	
Xylene (Total)	ND	ug/kg	11.7	1		01/05/10 19:39	1330-20-7	
m&p-Xylene	ND	ug/kg	11.7	1		01/05/10 19:39	1330-20-7	
o-Xylene	ND	ug/kg	5.8	1		01/05/10 19:39	95-47-6	
Dibromofluoromethane (S)	98	%	79-116	1		01/05/10 19:39	1868-53-7	
Toluene-d8 (S)	100	%	88-110	1		01/05/10 19:39	2037-26-5	
4-Bromofluorobenzene (S)	101	%	74-115	1		01/05/10 19:39	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	69-121	1		01/05/10 19:39	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	21.1 %	0.10	1	01/06/10 08:34
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank
Pace Project No.: 9260576

Sample: TT-2594-B-9 **Lab ID:** 9260576020 **Collected:** 12/30/09 12:50 **Received:** 01/04/10 09:30 **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	01/06/10 09:50	01/07/10 16:14	68334-30-5	
n-Pentacosane (S)	77 %		50-135	1	01/06/10 09:50	01/07/10 16:14	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		7.6	1	01/07/10 18:37	01/09/10 04:06	8006-61-9	
4-Bromofluorobenzene (S)	123 %		50-135	1	01/07/10 18:37	01/09/10 04:06	460-00-4	
VPH NC Soil								
Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		12.7	1	01/07/10 18:34	01/08/10 12:09		
Aliphatic (C09-C12)	ND mg/kg		12.7	1	01/07/10 18:34	01/08/10 12:09		
Aromatic (C09-C10)	ND mg/kg		12.7	1	01/07/10 18:34	01/08/10 12:09		
2,5-Dibromotoluene (PID)(S)	110 %		70-130	1	01/07/10 18:34	01/08/10 12:09		
2,5-Dibromotoluene (FID)(S)	119 %		70-130	1	01/07/10 18:34	01/08/10 12:09		
8260/5035A Volatile Organics								
Analytical Method: EPA 8260								
Acetone	ND ug/kg		103	1		01/05/10 19:58	67-64-1	
Benzene	ND ug/kg		5.2	1		01/05/10 19:58	71-43-2	
Bromobenzene	ND ug/kg		5.2	1		01/05/10 19:58	108-86-1	
Bromochloromethane	ND ug/kg		5.2	1		01/05/10 19:58	74-97-5	
Bromodichloromethane	ND ug/kg		5.2	1		01/05/10 19:58	75-27-4	
Bromoform	ND ug/kg		5.2	1		01/05/10 19:58	75-25-2	
Bromomethane	ND ug/kg		10.3	1		01/05/10 19:58	74-83-9	
2-Butanone (MEK)	ND ug/kg		103	1		01/05/10 19:58	78-93-3	
n-Butylbenzene	ND ug/kg		5.2	1		01/05/10 19:58	104-51-8	
sec-Butylbenzene	ND ug/kg		5.2	1		01/05/10 19:58	135-98-8	
tert-Butylbenzene	ND ug/kg		5.2	1		01/05/10 19:58	98-06-6	
Carbon tetrachloride	ND ug/kg		5.2	1		01/05/10 19:58	56-23-5	
Chlorobenzene	ND ug/kg		5.2	1		01/05/10 19:58	108-90-7	
Chloroethane	ND ug/kg		10.3	1		01/05/10 19:58	75-00-3	
Chloroform	ND ug/kg		5.2	1		01/05/10 19:58	67-66-3	
Chloromethane	ND ug/kg		10.3	1		01/05/10 19:58	74-87-3	
2-Chlorotoluene	ND ug/kg		5.2	1		01/05/10 19:58	95-49-8	
4-Chlorotoluene	ND ug/kg		5.2	1		01/05/10 19:58	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		5.2	1		01/05/10 19:58	96-12-8	
Dibromochloromethane	ND ug/kg		5.2	1		01/05/10 19:58	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		5.2	1		01/05/10 19:58	106-93-4	
Dibromomethane	ND ug/kg		5.2	1		01/05/10 19:58	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		5.2	1		01/05/10 19:58	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		5.2	1		01/05/10 19:58	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		5.2	1		01/05/10 19:58	106-46-7	
Dichlorodifluoromethane	ND ug/kg		10.3	1		01/05/10 19:58	75-71-8	
1,1-Dichloroethane	ND ug/kg		5.2	1		01/05/10 19:58	75-34-3	
1,2-Dichloroethane	ND ug/kg		5.2	1		01/05/10 19:58	107-06-2	
1,1-Dichloroethene	ND ug/kg		5.2	1		01/05/10 19:58	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		5.2	1		01/05/10 19:58	156-59-2	

ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9260576

Sample: TT-2594-B-9 Lab ID: 9260576020 Collected: 12/30/09 12:50 Received: 01/04/10 09:30 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						
trans-1,2-Dichloroethene	ND	ug/kg	5.2	1		01/05/10 19:58	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.2	1		01/05/10 19:58	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.2	1		01/05/10 19:58	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.2	1		01/05/10 19:58	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.2	1		01/05/10 19:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.2	1		01/05/10 19:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.2	1		01/05/10 19:58	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.2	1		01/05/10 19:58	108-20-3	
Ethylbenzene	ND	ug/kg	5.2	1		01/05/10 19:58	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.2	1		01/05/10 19:58	87-68-3	
2-Hexanone	ND	ug/kg	51.6	1		01/05/10 19:58	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.2	1		01/05/10 19:58	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.2	1		01/05/10 19:58	99-87-6	
Methylene Chloride	ND	ug/kg	20.7	1		01/05/10 19:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	51.6	1		01/05/10 19:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.2	1		01/05/10 19:58	1634-04-4	
Naphthalene	ND	ug/kg	5.2	1		01/05/10 19:58	91-20-3	
n-Propylbenzene	ND	ug/kg	5.2	1		01/05/10 19:58	103-65-1	
Styrene	ND	ug/kg	5.2	1		01/05/10 19:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.2	1		01/05/10 19:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.2	1		01/05/10 19:58	79-34-5	
Tetrachloroethene	ND	ug/kg	5.2	1		01/05/10 19:58	127-18-4	
Toluene	ND	ug/kg	5.2	1		01/05/10 19:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.2	1		01/05/10 19:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.2	1		01/05/10 19:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.2	1		01/05/10 19:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.2	1		01/05/10 19:58	79-00-5	
Trichloroethene	ND	ug/kg	5.2	1		01/05/10 19:58	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.2	1		01/05/10 19:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.2	1		01/05/10 19:58	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.2	1		01/05/10 19:58	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.2	1		01/05/10 19:58	108-67-8	
Vinyl acetate	ND	ug/kg	51.6	1		01/05/10 19:58	108-05-4	
Vinyl chloride	ND	ug/kg	10.3	1		01/05/10 19:58	75-01-4	
Xylene (Total)	ND	ug/kg	10.3	1		01/05/10 19:58	1330-20-7	
m&p-Xylene	ND	ug/kg	10.3	1		01/05/10 19:58	1330-20-7	
o-Xylene	ND	ug/kg	5.2	1		01/05/10 19:58	95-47-6	
Dibromofluoromethane (S)	97	%	79-116	1		01/05/10 19:58	1868-53-7	
Toluene-d8 (S)	100	%	88-110	1		01/05/10 19:58	2037-26-5	
4-Bromofluorobenzene (S)	103	%	74-115	1		01/05/10 19:58	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	69-121	1		01/05/10 19:58	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	15.1 %	0.10	1	01/06/10 08:35
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ANALYTICAL RESULTS

Project: TT-2 Tank Yank

Pace Project No.: 9260576

Sample: TT-Stockpile #8 **Lab ID:** 9260576021 **Collected:** 12/30/09 17:00 **Received:** 01/04/10 09:30 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	7.9	mg/kg	6.0	1	01/06/10 09:50	01/07/10 16:14	68334-30-5	
n-Pentacosane (S)	70	%	50-135	1	01/06/10 09:50	01/07/10 16:14	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND	mg/kg	6.3	1	01/07/10 18:37	01/09/10 04:31	8006-61-9	
4-Bromofluorobenzene (S)	115	%	50-135	1	01/07/10 18:37	01/09/10 04:31	460-00-4	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	16.5	%	0.10	1		01/06/10 08:35		

QUALITY CONTROL DATA

Project: TT-2 Tank Yank
Pace Project No.: 9260576

QC Batch: OEXT/8970 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 3546 Analysis Description: 8015 Solid GCSV
Associated Lab Samples: 9260576001, 9260576002, 9260576003, 9260576004, 9260576005, 9260576006, 9260576007, 9260576008, 9260576009, 9260576010

METHOD BLANK: 386490 Matrix: Solid
Associated Lab Samples: 9260576001, 9260576002, 9260576003, 9260576004, 9260576005, 9260576006, 9260576007, 9260576008, 9260576009, 9260576010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	ND	5.0	01/06/10 14:18	
n-Pentacosane (S)	%	55	50-135	01/06/10 14:18	

LABORATORY CONTROL SAMPLE & LCSD: 386491		386492								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Components	mg/kg	167	151	142	90		50-114	6		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 386493			386494								
Parameter	Units	9260576002	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Qual
		Result	Spike Conc.	Spike Conc.							
Diesel Components	mg/kg	ND	194	194	169	163	87	83	50-107	4	
n-Pentacosane (S)	%						82	80	50-135		

QUALITY CONTROL DATA

Project: TT-2 Tank Yank
Pace Project No.: 9260576

QC Batch: OEXT/8977 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 3546 Analysis Description: 8015 Solid GCSV
Associated Lab Samples: 9260576011, 9260576012, 9260576013, 9260576014, 9260576015, 9260576016, 9260576017, 9260576018, 9260576019, 9260576020, 9260576021

METHOD BLANK: 387026 Matrix: Solid
Associated Lab Samples: 9260576011, 9260576012, 9260576013, 9260576014, 9260576015, 9260576016, 9260576017, 9260576018, 9260576019, 9260576020, 9260576021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	ND	5.0	01/06/10 20:04	
n-Pentacosane (S)	%	81	50-135	01/06/10 20:04	

LABORATORY CONTROL SAMPLE & LCSD: 387027		387028								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Components	mg/kg	167	144	171	86		50-114	17		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 387029				387030							
Parameter	Units	9260576016	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Qual
		Result	Spike Conc.	Spike Conc.							
Diesel Components	mg/kg	ND	206	206	229	191	111	93	50-107	18	M0
n-Pentacosane (S)	%						100	97	50-135		

QUALITY CONTROL DATA

Project: TT-2 Tank Yank

Pace Project No.: 9260576

QC Batch: GCV/3750 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 5035A/5030B Analysis Description: Gasoline Range Organics
Associated Lab Samples: 9260576001, 9260576002, 9260576003, 9260576004

METHOD BLANK: 386913 Matrix: Solid

Associated Lab Samples: 9260576001, 9260576002, 9260576003, 9260576004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	6.0	01/06/10 16:40	
4-Bromofluorobenzene (S)	%	102	50-135	01/06/10 16:40	

LABORATORY CONTROL SAMPLE: 386914

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	25	30.4	122	70-150	
4-Bromofluorobenzene (S)	%			99	50-135	

MATRIX SPIKE SAMPLE: 386915

Parameter	Units	9260401001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	ND	33	39.0	111	70-148	
4-Bromofluorobenzene (S)	%				97	50-135	

SAMPLE DUPLICATE: 386916

Parameter	Units	9260401002 Result	Dup Result	RPD	Qualifiers
Gasoline Range Organics	mg/kg	36.6	42.0	14	
4-Bromofluorobenzene (S)	%	168	185	10 S5	

QUALITY CONTROL DATA

Project: TT-2 Tank Yank
Pace Project No.: 9260576

QC Batch: GCV/3757 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 5035A/5030B Analysis Description: Gasoline Range Organics
Associated Lab Samples: 9260576005, 9260576006, 9260576007, 9260576008, 9260576009, 9260576010, 9260576011, 9260576012, 9260576013, 9260576014, 9260576015, 9260576016, 9260576017, 9260576018, 9260576019, 9260576020, 9260576021

METHOD BLANK: 388241 Matrix: Solid
Associated Lab Samples: 9260576005, 9260576006, 9260576007, 9260576008, 9260576009, 9260576010, 9260576011, 9260576012, 9260576013, 9260576014, 9260576015, 9260576016, 9260576017, 9260576018, 9260576019, 9260576020, 9260576021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	6.0	01/08/10 20:40	
4-Bromofluorobenzene (S)	%	106	50-135	01/08/10 20:40	

LABORATORY CONTROL SAMPLE: 388242

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	25	30.6	122	70-150	
4-Bromofluorobenzene (S)	%			113	50-135	

MATRIX SPIKE SAMPLE: 388243

Parameter	Units	9260576005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	17.9	24.9	41.9	97	70-148	
4-Bromofluorobenzene (S)	%				107	50-135	

SAMPLE DUPLICATE: 388244

Parameter	Units	9260576006 Result	Dup Result	RPD	Qualifiers
Gasoline Range Organics	mg/kg	ND	ND		
4-Bromofluorobenzene (S)	%	162	134	19	

QUALITY CONTROL DATA

Project: TT-2 Tank Yank
Pace Project No.: 9260576

QC Batch:	GCV/3755	Analysis Method:	MADEP VPH
QC Batch Method:	MADEP VPH	Analysis Description:	VPH NC Soil
Associated Lab Samples:	9260576001, 9260576002, 9260576003, 9260576004, 9260576005, 9260576006, 9260576007, 9260576008, 9260576009, 9260576010, 9260576011, 9260576012, 9260576013		

METHOD BLANK:	387909	Matrix:	Solid
Associated Lab Samples:	9260576001, 9260576002, 9260576003, 9260576004, 9260576005, 9260576006, 9260576007, 9260576008, 9260576009, 9260576010, 9260576011, 9260576012, 9260576013, 9260576014, 9260576015, 9260576016, 9260576017, 9260576018, 9260576019, 9260576020		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aliphatic (C05-C08)	mg/kg	ND	10.0	01/08/10 00:29	
Aliphatic (C09-C12)	mg/kg	ND	10.0	01/08/10 00:29	
Aromatic (C09-C10)	mg/kg	ND	10.0	01/08/10 00:29	
2,5-Dibromotoluene (FID)(S)	%	114	70-130	01/08/10 00:29	
2,5-Dibromotoluene (PID)(S)	%	115	70-130	01/08/10 00:29	

LABORATORY CONTROL SAMPLE & LCSD:		387910	387911							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	mg/kg	15	15.3	14.4	102	96	70-130	5	25	
Aliphatic (C09-C12)	mg/kg	15	15.4	14.6	103	97	30-130	5	25	
Aromatic (C09-C10)	mg/kg	5	ND	ND	98	95	70-130		25	
2,5-Dibromotoluene (FID)(S)	%				127	114	70-130			
2,5-Dibromotoluene (PID)(S)	%				120	112	70-130			

QUALITY CONTROL DATA

Project: TT-2 Tank Yank
Pace Project No.: 9260576

QC Batch: MSV/9549 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 9260576001, 9260576002, 9260576003, 9260576004, 9260576005, 9260576006, 9260576007, 9260576008, 9260576009, 9260576010, 9260576011, 9260576012, 9260576013, 9260576014, 9260576015, 9260576016, 9260576017, 9260576018, 9260576019, 9260576020

METHOD BLANK: 386572 Matrix: Solid
Associated Lab Samples: 9260576001, 9260576002, 9260576003, 9260576004, 9260576005, 9260576006, 9260576007, 9260576008, 9260576009, 9260576010, 9260576011, 9260576012, 9260576013, 9260576014, 9260576015, 9260576016, 9260576017, 9260576018, 9260576019, 9260576020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	01/05/10 12:08	
1,1,1-Trichloroethane	ug/kg	ND	5.0	01/05/10 12:08	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	01/05/10 12:08	
1,1,2-Trichloroethane	ug/kg	ND	5.0	01/05/10 12:08	
1,1-Dichloroethane	ug/kg	ND	5.0	01/05/10 12:08	
1,1-Dichloroethene	ug/kg	ND	5.0	01/05/10 12:08	
1,1-Dichloropropene	ug/kg	ND	5.0	01/05/10 12:08	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	01/05/10 12:08	
1,2,3-Trichloropropane	ug/kg	ND	5.0	01/05/10 12:08	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	01/05/10 12:08	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	01/05/10 12:08	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	01/05/10 12:08	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	01/05/10 12:08	
1,2-Dichlorobenzene	ug/kg	ND	5.0	01/05/10 12:08	
1,2-Dichloroethane	ug/kg	ND	5.0	01/05/10 12:08	
1,2-Dichloropropane	ug/kg	ND	5.0	01/05/10 12:08	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	01/05/10 12:08	
1,3-Dichlorobenzene	ug/kg	ND	5.0	01/05/10 12:08	
1,3-Dichloropropane	ug/kg	ND	5.0	01/05/10 12:08	
1,4-Dichlorobenzene	ug/kg	ND	5.0	01/05/10 12:08	
2,2-Dichloropropane	ug/kg	ND	5.0	01/05/10 12:08	
2-Butanone (MEK)	ug/kg	ND	100	01/05/10 12:08	
2-Chlorotoluene	ug/kg	ND	5.0	01/05/10 12:08	
2-Hexanone	ug/kg	ND	50.0	01/05/10 12:08	
4-Chlorotoluene	ug/kg	ND	5.0	01/05/10 12:08	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	01/05/10 12:08	
Acetone	ug/kg	ND	100	01/05/10 12:08	
Benzene	ug/kg	ND	5.0	01/05/10 12:08	
Bromobenzene	ug/kg	ND	5.0	01/05/10 12:08	
Bromochloromethane	ug/kg	ND	5.0	01/05/10 12:08	
Bromodichloromethane	ug/kg	ND	5.0	01/05/10 12:08	
Bromoform	ug/kg	ND	5.0	01/05/10 12:08	
Bromomethane	ug/kg	ND	10.0	01/05/10 12:08	
Carbon tetrachloride	ug/kg	ND	5.0	01/05/10 12:08	
Chlorobenzene	ug/kg	ND	5.0	01/05/10 12:08	
Chloroethane	ug/kg	ND	10.0	01/05/10 12:08	
Chloroform	ug/kg	ND	5.0	01/05/10 12:08	
Chloromethane	ug/kg	ND	10.0	01/05/10 12:08	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	01/05/10 12:08	

QUALITY CONTROL DATA

Project: TT-2 Tank Yank
Pace Project No.: 9260576

METHOD BLANK: 386572

Matrix: Solid

Associated Lab Samples: 9260576001, 9260576002, 9260576003, 9260576004, 9260576005, 9260576006, 9260576007, 9260576008, 9260576009, 9260576010, 9260576011, 9260576012, 9260576013, 9260576014, 9260576015, 9260576016, 9260576017, 9260576018, 9260576019, 9260576020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	ND	5.0	01/05/10 12:08	
Dibromochloromethane	ug/kg	ND	5.0	01/05/10 12:08	
Dibromomethane	ug/kg	ND	5.0	01/05/10 12:08	
Dichlorodifluoromethane	ug/kg	ND	10.0	01/05/10 12:08	
Diisopropyl ether	ug/kg	ND	5.0	01/05/10 12:08	
Ethylbenzene	ug/kg	ND	5.0	01/05/10 12:08	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	01/05/10 12:08	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	01/05/10 12:08	
m&p-Xylene	ug/kg	ND	10.0	01/05/10 12:08	
Methyl-tert-butyl ether	ug/kg	ND	5.0	01/05/10 12:08	
Methylene Chloride	ug/kg	ND	20.0	01/05/10 12:08	
n-Butylbenzene	ug/kg	ND	5.0	01/05/10 12:08	
n-Propylbenzene	ug/kg	ND	5.0	01/05/10 12:08	
Naphthalene	ug/kg	ND	5.0	01/05/10 12:08	
o-Xylene	ug/kg	ND	5.0	01/05/10 12:08	
p-Isopropyltoluene	ug/kg	ND	5.0	01/05/10 12:08	
sec-Butylbenzene	ug/kg	ND	5.0	01/05/10 12:08	
Styrene	ug/kg	ND	5.0	01/05/10 12:08	
tert-Butylbenzene	ug/kg	ND	5.0	01/05/10 12:08	
Tetrachloroethene	ug/kg	ND	5.0	01/05/10 12:08	
Toluene	ug/kg	ND	5.0	01/05/10 12:08	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	01/05/10 12:08	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	01/05/10 12:08	
Trichloroethene	ug/kg	ND	5.0	01/05/10 12:08	
Trichlorofluoromethane	ug/kg	ND	5.0	01/05/10 12:08	
Vinyl acetate	ug/kg	ND	50.0	01/05/10 12:08	
Vinyl chloride	ug/kg	ND	10.0	01/05/10 12:08	
Xylene (Total)	ug/kg	ND	10.0	01/05/10 12:08	
1,2-Dichloroethane-d4 (S)	%	104	69-121	01/05/10 12:08	
4-Bromofluorobenzene (S)	%	101	74-115	01/05/10 12:08	
Dibromofluoromethane (S)	%	109	79-116	01/05/10 12:08	
Toluene-d8 (S)	%	100	88-110	01/05/10 12:08	

LABORATORY CONTROL SAMPLE: 386573

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	57.1	114	75-137	
1,1,1-Trichloroethane	ug/kg	50	56.2	112	70-140	
1,1,2,2-Tetrachloroethane	ug/kg	50	54.1	108	74-133	
1,1,2-Trichloroethane	ug/kg	50	57.9	116	79-129	
1,1-Dichloroethane	ug/kg	50	60.2	120	72-139	
1,1-Dichloroethene	ug/kg	50	59.3	119	69-154	
1,1-Dichloropropene	ug/kg	50	54.4	109	74-138	
1,2,3-Trichlorobenzene	ug/kg	50	55.4	111	71-150	

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QUALITY CONTROL DATA

Project: TT-2 Tank Yank

Pace Project No.: 9260576

LABORATORY CONTROL SAMPLE: 386573

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/kg	50	55.1	110	74-135	
1,2,4-Trichlorobenzene	ug/kg	50	56.2	112	68-150	
1,2,4-Trimethylbenzene	ug/kg	50	57.6	115	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	50	60.0	120	65-146	
1,2-Dibromoethane (EDB)	ug/kg	50	55.8	112	77-136	
1,2-Dichlorobenzene	ug/kg	50	57.4	115	75-141	
1,2-Dichloroethane	ug/kg	50	57.0	114	74-134	
1,2-Dichloropropane	ug/kg	50	57.1	114	77-138	
1,3,5-Trimethylbenzene	ug/kg	50	56.6	113	65-128	
1,3-Dichlorobenzene	ug/kg	50	55.1	110	76-133	
1,3-Dichloropropane	ug/kg	50	56.9	114	79-132	
1,4-Dichlorobenzene	ug/kg	50	55.2	110	75-137	
2,2-Dichloropropane	ug/kg	50	62.7	125	73-137	
2-Butanone (MEK)	ug/kg	100	120	120	61-138	
2-Chlorotoluene	ug/kg	50	56.4	113	73-138	
2-Hexanone	ug/kg	100	112	112	58-159	
4-Chlorotoluene	ug/kg	50	57.3	115	75-136	
4-Methyl-2-pentanone (MIBK)	ug/kg	100	124	124	74-139	
Acetone	ug/kg	100	125	125	58-150	
Benzene	ug/kg	50	56.3	113	71-140	
Bromobenzene	ug/kg	50	56.9	114	72-144	
Bromochloromethane	ug/kg	50	65.4	131	78-133	
Bromodichloromethane	ug/kg	50	56.3	113	78-133	
Bromoform	ug/kg	50	52.5	105	74-132	
Bromomethane	ug/kg	50	53.4	107	63-184	
Carbon tetrachloride	ug/kg	50	65.8	132	73-143	
Chlorobenzene	ug/kg	50	57.1	114	77-137	
Chloroethane	ug/kg	50	60.0	120	68-146	
Chloroform	ug/kg	50	58.4	117	75-137	
Chloromethane	ug/kg	50	55.6	111	54-143	
cis-1,2-Dichloroethene	ug/kg	50	61.3	123	71-143	
cis-1,3-Dichloropropene	ug/kg	50	58.9	118	76-133	
Dibromochloromethane	ug/kg	50	57.5	115	77-131	
Dibromomethane	ug/kg	50	59.9	120	63-184	
Dichlorodifluoromethane	ug/kg	50	53.2	106	36-173	
Diisopropyl ether	ug/kg	50	57.4	115	68-144	
Ethylbenzene	ug/kg	50	56.3	113	69-141	
Hexachloro-1,3-butadiene	ug/kg	50	56.0	112	70-152	
Isopropylbenzene (Cumene)	ug/kg	50	56.7	113	77-143	
m&p-Xylene	ug/kg	100	112	112	72-138	
Methyl-tert-butyl ether	ug/kg	50	56.6	113	2-138	
Methylene Chloride	ug/kg	50	55.5	111	69-136	
n-Butylbenzene	ug/kg	50	55.2	110	65-128	
n-Propylbenzene	ug/kg	50	55.9	112	72-139	
Naphthalene	ug/kg	50	60.1	120	61-138	
o-Xylene	ug/kg	50	58.4	117	74-137	
p-Isopropyltoluene	ug/kg	50	55.9	112	66-128	
sec-Butylbenzene	ug/kg	50	55.3	111	72-140	

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QUALITY CONTROL DATA

Project: TT-2 Tank Yank

Pace Project No.: 9260576

LABORATORY CONTROL SAMPLE: 386573

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	ug/kg	50	52.0	104	76-137	
tert-Butylbenzene	ug/kg	50	56.8	114	68-141	
Tetrachloroethene	ug/kg	50	57.1	114	72-136	
Toluene	ug/kg	50	55.6	111	69-139	
trans-1,2-Dichloroethene	ug/kg	50	56.0	112	72-144	
trans-1,3-Dichloropropene	ug/kg	50	59.3	119	73-135	
Trichloroethene	ug/kg	50	56.8	114	75-136	
Trichlorofluoromethane	ug/kg	50	59.4	119	69-144	
Vinyl acetate	ug/kg	100	90.5	91	50-150	
Vinyl chloride	ug/kg	50	54.0	108	61-145	
Xylene (Total)	ug/kg	150	171	114	73-138	
1,2-Dichloroethane-d4 (S)	%			99	69-121	
4-Bromofluorobenzene (S)	%			101	74-115	
Dibromofluoromethane (S)	%			92	79-116	
Toluene-d8 (S)	%			100	88-110	

MATRIX SPIKE SAMPLE: 387063

Parameter	Units	9260576002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/kg	ND	96.5	71.8	74	33-158	
Benzene	ug/kg	ND	96.5	67.2	70	46-143	
Chlorobenzene	ug/kg	ND	96.5	63.7	66	29-159	
Toluene	ug/kg	ND	96.5	62.1	64	38-145	
Trichloroethene	ug/kg	ND	96.5	63.8	66	70-130	M3
1,2-Dichloroethane-d4 (S)	%				113	69-121	
4-Bromofluorobenzene (S)	%				97	74-115	
Dibromofluoromethane (S)	%				105	79-116	
Toluene-d8 (S)	%				97	88-110	

SAMPLE DUPLICATE: 387062

Parameter	Units	9260576001 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		

QUALITY CONTROL DATA

Project: TT-2 Tank Yank

Pace Project No.: 9260576

SAMPLE DUPLICATE: 387062

Parameter	Units	9260576001 Result	Dup Result	RPD	Qualifiers
1,2-Dichlorobenzene	ug/kg	ND	ND		
1,2-Dichloroethane	ug/kg	ND	ND		
1,2-Dichloropropane	ug/kg	ND	ND		
1,3,5-Trimethylbenzene	ug/kg	ND	ND		
1,3-Dichlorobenzene	ug/kg	ND	ND		
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		

Date: 01/11/2010 02:42 PM

REPORT OF LABORATORY ANALYSIS

Page 56 of 60

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QUALITY CONTROL DATA

Project: TT-2 Tank Yank

Pace Project No.: 9260576

SAMPLE DUPLICATE: 387062

Parameter	Units	9260576001 Result	Dup Result	RPD	Qualifiers
trans-1,3-Dichloropropene	ug/kg	ND	ND		
Trichloroethene	ug/kg	ND	ND		
Trichlorofluoromethane	ug/kg	ND	ND		
Vinyl acetate	ug/kg	ND	ND		
Vinyl chloride	ug/kg	ND	ND		
Xylene (Total)	ug/kg	ND	ND		
1,2-Dichloroethane-d4 (S)	%	110	104	1	
4-Bromofluorobenzene (S)	%	101	101	5	
Dibromofluoromethane (S)	%	94	114	24	
Toluene-d8 (S)	%	100	100	5	

QUALITY CONTROL DATA

Project: TT-2 Tank Yank

Pace Project No.: 9260576

QC Batch: PMST/2965 Analysis Method: ASTM D2974-87
 QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
 Associated Lab Samples: 9260576001, 9260576002, 9260576003, 9260576004, 9260576005, 9260576006, 9260576007, 9260576008,
 9260576009, 9260576010, 9260576011, 9260576012

SAMPLE DUPLICATE: 386517

Parameter	Units	9260579001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	26.4	27.1	2	

SAMPLE DUPLICATE: 386518

Parameter	Units	9260576012 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	13.0	13.3	2	

QUALITY CONTROL DATA

Project: TT-2 Tank Yank

Pace Project No.: 9260576

QC Batch: PMST/2966 Analysis Method: ASTM D2974-87
 QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
 Associated Lab Samples: 9260576013, 9260576014, 9260576015, 9260576016, 9260576017, 9260576018, 9260576019, 9260576020, 9260576021

SAMPLE DUPLICATE: 386968

Parameter	Units	9260576013 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	15.0	15.1	1	

SAMPLE DUPLICATE: 386969

Parameter	Units	9260623001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	21.6	21.6	0	

QUALIFIERS

Project: TT-2 Tank Yank

Pace Project No.: 9260576

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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

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

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

IO	The internal standard response was outside the laboratory acceptance limits confirmed by reanalysis. The results reported are from the most QC compliant analysis.
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.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
S5	Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

www.pacelabs.com

Section A

Required Client Information:

Company: MEC Corp

Address: MEC Cherry St, NC

Phone: 252-447-1700 Fax: 252-447-2012

Requested Due Date/AT: Resh

Section B

Required Project Information:

Report To: Rob Filley

Copy To: Mike Robner

Purchase Order No.: TT-2 Tank Yank

Project Name: TT-2 Tank Yank

Project Number: TT-2 Tank Yank

Section C

Invoice Information:

Attention: SUE SMITH

Company Name: MEC

Address: Jacksonville NC

Reference: Jacksonville NC

Manager: Jacksonville NC

Site Location: NC

State: NC

Page: 1 of 3

1322786

REGULATORY AGENCY

NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐

UST ☒ RCRA ☐ OTHER ☐

Site Location: NC

State: NC

Section D Required Client Information		Matrix Codes MATRIX / CODE																	
Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Tissue Other		DW WT WW P SL OL WP AR TS OT																	
SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE																			
ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)																	
1	TT - 2953 -1	SL G	G	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test ↓	Y/N ↓	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
										Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃				
2	TT - 2953 -2	SL G	G			12/21/09	1145		136	25									001
3	TT - 2953 -3	SL G	G			12/21/09	1250		136	25									002
4	TT - 2953 -4	SL G	G			12/21/09	1205		136	25									003
5	TT - 2953 -B-11.8	SL G	G			12/30/09	0720		136	25									004
6	TT - 2989 -1	SL G	G			12/30/09	0720		136	25									005
7	TT - 2989 -2	SL G	G			12/30/09	0720		136	25									
8	TT - 2989 -3	SL G	G			12/30/09	0720		136	25									
9	TT - 2989 -4	SL G	G			12/30/09	0720		136	25									
10	TT - 2989 -B-	SL G	G			12/30/09	0720		136	25									
11	TT - Stockpile #8	SL G	G			12/30/09	0720		136	25									021
12																			

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS	

1357045

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☒ UST ☐ RCRA ☐ OTHER _____

Site Location
STATE: NC

7260576

009
010

ACCEPTED BY / AFFILIATION	DATE
Justin Hall / psc	1-4-08 C SMM 1-5-08

PRINT Name of SAMPLER: Wade T. Lewis
SIGNATURE of SAMPLER: [Signature]

CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A

Required Client Information:

Company: **Mec Corp**
Address: **Mec Chem RT, NE**
Email To: _____
Phone: **850 447-1700** Fax: **850 447-7012**
Requested Due Date/TAT: **RUSH**

Section B

Required Project Information:

Report To: **Rob Fidler**
Copy To: **Mike Rehner**
Purchase Order No.: _____
Project Name: **TT-2 Tank Work**
Project Number: _____

Section C

Invoice Information:

Attention: **Jill Smith**
Company Name: **Mec Corp**
Address: **Truckeeville, NE**
Face Quote
Reference: _____
Face Project Manager: _____
Face Profile #: _____

Page:

3 of 3

1357044

REGULATORY AGENCY

☒ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☒ UST ☐ RCRA ☐ OTHER _____

Site Location
STATE: **NE**

ITEM #	Section D Required Client Information	Matrix Codes		Matrix / CODE	Drinking Water WT Waste Water Product Soil/Solid Oil Wipe Air Tissue Other	DW WT WW P SL OL WP AR TS OT							
		MATRIX CODE											
SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE													
MATRIX CODE (see valid codes to left)													
SAMPLE TYPE (G=GRAB C=COMP)													
DATE		TIME		DATE		TIME		COLLECTED		COMPOSITE START		COMPOSITE END/GRAB	
SAMPLE TEMP AT COLLECTION													
# OF CONTAINERS													
Unpreserved													
H ₂ SO ₄													
HNO ₃													
HCl													
NaOH													
Na ₂ S ₂ O ₃													
Methanol													
Other													
↓ Analysis Test ↓													
DRO													
GRO													
8260													
8270													
VPH													
EPH													
Residual Chlorine (Y/N)													
Pace Project No./ Lab I.D. 9960576													

1	TT-2590-1	SL G			12/29/13	10			13 G	25											DRO	N	N	N	N	N	N	N	N	N		011
2	TT-2590-2	SL G			12/30/13	13	25		13 G	25											GRO	N	N	N	N	N	N	N	N	N		012
3	TT-2590-3	SL G			12/30/13	13	25		13 G	25											8260	N	N	N	N	N	N	N	N	N		013
4	TT-2590-4	SL G			12/30/13	13	25		13 G	25											8270	N	N	N	N	N	N	N	N	N		014
5	TT-2590-8	SL G			12/30/13	13	25		13 G	25											VPH	N	N	N	N	N	N	N	N	N		015
6	TT-2594-1	SL G			12/30/13	13	25		13 G	25											EPH	N	N	N	N	N	N	N	N	N		016
7	TT-2594-2	SL G			12/30/13	13	25		13 G	25																						017
8	TT-2594-3	SL G			12/30/13	13	25		13 G	25																						018
9	TT-2594-4	SL G			12/30/13	13	25		13 G	25																						019
10	TT-2594-8-9	SL G			12/30/13	13	25		13 G	25																						020
11																																
12																																

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION **DATE** **TIME** **ACCEPTED BY / AFFILIATION** **DATE** **TIME** **SAMPLE CONDITIONS**

SAMPLER NAME AND SIGNATURE **PRINT Name of SAMPLER:** **Wade T. Lewis** **DATE Signed (MM/DD/YY):** **12/31/09**

SIGNATURE of SAMPLER: **Wade T. Lewis** **Temp in °C** **Received on Ice (Y/N)** **Custody Sealed Cooler (Y/N)** **Samples Intact (Y/N)**

ORIGINAL

**Sample Condition Upon Receipt**Client Name: Mec Corp.Project # 9260576Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☒ yes ☐ noPacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used T060

Type of Ice: Wet Blue None☒ Samples on ice, cooling process has begunCooler Temperature 5.2°

Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: JMM 1-4-10

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.
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	9.
-Pace Containers Used:	☒ Yes ☐ No ☐ N/A	
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.
-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: PLSDate: 1/4/10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)



ANALYTICAL SERVICES, INC.

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

Laboratory Report

Prepared For:

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

Attention: Ms. Ashley Nifong

Report Number: ATA0024

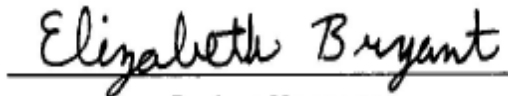
January 08, 2010

Project: TT-II Tank Yank

Project #:9260576

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

Approved:


Project Manager

This report may not be reproduced, except in full, without written approval from Analytical Services, Inc. Analytical Services, Inc. certifies that the following analytical results meet all requirements of the National Environmental Laboratory Accreditation Conference (NELAC).
All test results relate only to the samples analyzed.



ANALYTICAL SERVICES, INC.

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

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

January 08, 2010

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TT-2953-1/9260576001	ATA0024-01	Solid	12/29/09 11:45	01/05/10 11:05
TT-2953-2/9260576002	ATA0024-02	Solid	12/29/09 12:50	01/05/10 11:05
TT-2953-3/9260576003	ATA0024-03	Solid	12/29/09 12:05	01/05/10 11:05
TT-2953-4/9260576004	ATA0024-04	Solid	12/29/09 11:55	01/05/10 11:05
TT-2953-B-11.8/9260576005	ATA0024-05	Solid	12/30/09 07:20	01/05/10 11:05
TT-2995-1/9260576006	ATA0024-06	Solid	12/30/09 17:00	01/05/10 11:05
TT-2995-2/9260576007	ATA0024-07	Solid	12/30/09 17:25	01/05/10 11:05
TT-2995-3/9260576008	ATA0024-08	Solid	12/30/09 17:10	01/05/10 11:05
TT-2995-4/9260576009	ATA0024-09	Solid	12/30/09 17:20	01/05/10 11:05
TT-2995-B-7/9260576010	ATA0024-10	Solid	12/30/09 17:30	01/05/10 11:05
TT-2590-1/9260576011	ATA0024-11	Solid	12/30/09 13:10	01/05/10 11:05
TT-2590-2/9260576012	ATA0024-12	Solid	12/30/09 13:25	01/05/10 11:05
TT-2590-3/9260576013	ATA0024-13	Solid	12/30/09 13:45	01/05/10 11:05
TT-2590-4/9260576014	ATA0024-14	Solid	12/30/09 14:05	01/05/10 11:05
TT-2590-B-8/9260576015	ATA0024-15	Solid	12/30/09 14:25	01/05/10 11:05
TT-2594-1/9260576016	ATA0024-16	Solid	12/30/09 09:45	01/05/10 11:05
TT-2594-2/9260576017	ATA0024-17	Solid	12/30/09 10:30	01/05/10 11:05
TT-2594-3/9260576018	ATA0024-18	Solid	12/30/09 11:05	01/05/10 11:05
TT-2594-4/9260576019	ATA0024-19	Solid	12/30/09 12:03	01/05/10 11:05
TT-2594-B-9/9260576020	ATA0024-20	Solid	12/30/09 12:50	01/05/10 11:05



ANALYTICAL SERVICES, INC.

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

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

January 08, 2010

Case Narrative

Bis(2-ethylhexyl)phthalate Analysis by Method 8270D (CN Qualifier):

Bis(2-ethylhexyl)phthalate was detected in the Method Blank for analytical batch 0010087 as qualified. Only samples with results below reporting limits were reported from this batch and data was not affected.



ANALYTICAL SERVICES, INC.

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

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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2953-1/9260576001

Date/Time Sampled: 12/29/2009 11:45:00AM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-01

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	79.7	0.04 % by Weight		SOP Moisture		1	1/07/10 10:00	1/07/10 10:00	0010123	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Acenaphthene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Acenaphthylene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Aniline	ND	830	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Benzo(a)anthracene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Benzo(a)pyrene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Benzo(b)fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Benzo(ghi)perylene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Benzo(k)fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Benzoic acid	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Benzyl alcohol	ND	830	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Benzyl butyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
4-Bromophenyl phenyl ether	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Di-n-butyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
4-Chloroaniline	ND	830	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Bis(2-chloroethoxy)methane	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Bis(2-chloroethyl)ether	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Bis(2-chloroisopropyl)ether	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
4-Chloro-3-methylphenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
2-Chloronaphthalene	ND	830	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
2-Chlorophenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
4-Chlorophenyl phenyl ether	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Chrysene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Dibenzo(a,h)anthracene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Dibenzofuran	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
1,2-Dichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
1,3-Dichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
1,4-Dichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
3,3'-Dichlorobenzidine	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
2,4-Dichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Diethyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
2,4-Dimethylphenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC



ANALYTICAL SERVICES, INC.

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

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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2953-1/9260576001

Date/Time Sampled: 12/29/2009 11:45:00AM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-01

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
4,6-Dinitro-2-methylphenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
2,4-Dinitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
2,4-Dinitrotoluene	ND	830	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
2,6-Dinitrotoluene	ND	830	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Bis(2-ethylhexyl)phthalate	ND	410	ug/kg dry	EPA 8270D		1	1/07/10 9:30	1/07/10 15:20	0010129	RAC
Fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Fluorene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Hexachlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Hexachlorobutadiene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Hexachlorocyclopentadiene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Hexachloroethane	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Isophorone	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
2-Methylnaphthalene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
2-Methylphenol (o-cresol)	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
3+4-Methylphenol (m+p-cresol)	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Naphthalene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
2-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
3-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
4-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Nitrobenzene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
2-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
4-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
N-Nitrosodimethylamine	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
N-Nitrosodi-n-propylamine	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Di-n-octyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Pentachlorophenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Phenanthrene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Phenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Pyrene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Pyridine	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
1,2,4-Trichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
2,4,5-Trichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC



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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2953-1/9260576001

Date/Time Sampled: 12/29/2009 11:45:00AM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-01

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
1-Methylnaphthalene *	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:17	0010087	RAC
Surrogate: 2-Fluorophenol	59 %	10-91		EPA 8270D			1/07/10 9:30	1/7/10 15:20	0010129	
Surrogate: 2-Fluorophenol	64 %	10-91		EPA 8270D			1/06/10 9:10	1/6/10 18:17	0010087	
Surrogate: Phenol-d5	66 %	10-98		EPA 8270D			1/07/10 9:30	1/7/10 15:20	0010129	
Surrogate: Phenol-d5	69 %	10-98		EPA 8270D			1/06/10 9:10	1/6/10 18:17	0010087	
Surrogate: Nitrobenzene-d5	58 %	10-100		EPA 8270D			1/07/10 9:30	1/7/10 15:20	0010129	
Surrogate: Nitrobenzene-d5	61 %	10-100		EPA 8270D			1/06/10 9:10	1/6/10 18:17	0010087	
Surrogate: 2-Fluorobiphenyl	54 %	10-102		EPA 8270D			1/07/10 9:30	1/7/10 15:20	0010129	
Surrogate: 2-Fluorobiphenyl	65 %	10-102		EPA 8270D			1/06/10 9:10	1/6/10 18:17	0010087	
Surrogate: 2,4,6-Tribromophenol	73 %	10-189		EPA 8270D			1/07/10 9:30	1/7/10 15:20	0010129	
Surrogate: 2,4,6-Tribromophenol	71 %	10-189		EPA 8270D			1/06/10 9:10	1/6/10 18:17	0010087	
Surrogate: p-Terphenyl-d14	75 %	10-114		EPA 8270D			1/07/10 9:30	1/7/10 15:20	0010129	
Surrogate: p-Terphenyl-d14	81 %	10-114		EPA 8270D			1/06/10 9:10	1/6/10 18:17	0010087	



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Huntersville NC, 28078
Attention: Ms. Ashley Nifong

January 08, 2010

Report No.: ATA0024

Client ID: TT-2953-2/9260576002

Date/Time Sampled: 12/29/2009 12:50:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-02

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	82.9	0.04 % by Weight		SOP Moisture		1	1/07/10 10:00	1/07/10 10:00	0010123	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Acenaphthene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Acenaphthylene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Aniline	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Benzo(a)anthracene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Benzo(a)pyrene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Benzo(b)fluoranthene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Benzo(ghi)perylene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Benzo(k)fluoranthene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Benzoic acid	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Benzyl alcohol	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Benzyl butyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
4-Bromophenyl phenyl ether	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Di-n-butyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
4-Chloroaniline	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Bis(2-chloroethoxy)methane	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Bis(2-chloroethyl)ether	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Bis(2-chloroisopropyl)ether	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
4-Chloro-3-methylphenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
2-Chloronaphthalene	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
2-Chlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
4-Chlorophenyl phenyl ether	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Chrysene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Dibenzo(a,h)anthracene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Dibenzofuran	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
1,2-Dichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
1,3-Dichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
1,4-Dichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
3,3'-Dichlorobenzidine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
2,4-Dichlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Diethyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
2,4-Dimethylphenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC



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Lab Number ID: ATA0024-02

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
2,4-Dinitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
2,4-Dinitrotoluene	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
2,6-Dinitrotoluene	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Bis(2-ethylhexyl)phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Fluoranthene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Fluorene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Hexachlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Hexachlorobutadiene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Hexachlorocyclopentadiene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Hexachloroethane	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Isophorone	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
2-Methylnaphthalene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
2-Methylphenol (o-cresol)	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
3+4-Methylphenol (m+p-cresol)	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Naphthalene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
2-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
3-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
4-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Nitrobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
2-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
4-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
N-Nitrosodimethylamine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
N-Nitrosodi-n-propylamine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Di-n-octyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Pentachlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Phenanthrene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Phenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Pyrene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Pyridine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
1,2,4-Trichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
2,4,5-Trichlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC



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January 08, 2010

Report No.: ATA0024

Client ID: TT-2953-2/9260576002

Date/Time Sampled: 12/29/2009 12:50:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-02

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
1-Methylnaphthalene *	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 17:56	0010087	RAC
Surrogate: 2-Fluorophenol	60 %	10-91		EPA 8270D			1/06/10 9:10	1/6/10 17:56	0010087	
Surrogate: Phenol-d5	67 %	10-98		EPA 8270D			1/06/10 9:10	1/6/10 17:56	0010087	
Surrogate: Nitrobenzene-d5	58 %	10-100		EPA 8270D			1/06/10 9:10	1/6/10 17:56	0010087	
Surrogate: 2-Fluorobiphenyl	66 %	10-102		EPA 8270D			1/06/10 9:10	1/6/10 17:56	0010087	
Surrogate: 2,4,6-Tribromophenol	65 %	10-189		EPA 8270D			1/06/10 9:10	1/6/10 17:56	0010087	
Surrogate: p-Terphenyl-d14	79 %	10-114		EPA 8270D			1/06/10 9:10	1/6/10 17:56	0010087	



ANALYTICAL SERVICES, INC.

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

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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2953-3/9260576003

Date/Time Sampled: 12/29/2009 12:05:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-03

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	79.6	0.04 % by Weight		SOP Moisture		1	1/07/10 10:00	1/07/10 10:00	0010123	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Acenaphthene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Acenaphthylene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Aniline	ND	830	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Benzo(a)anthracene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Benzo(a)pyrene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Benzo(b)fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Benzo(ghi)perylene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Benzo(k)fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Benzoic acid	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Benzyl alcohol	ND	830	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Benzyl butyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
4-Bromophenyl phenyl ether	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Di-n-butyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
4-Chloroaniline	ND	830	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Bis(2-chloroethoxy)methane	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Bis(2-chloroethyl)ether	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Bis(2-chloroisopropyl)ether	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
4-Chloro-3-methylphenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
2-Chloronaphthalene	ND	830	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
2-Chlorophenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
4-Chlorophenyl phenyl ether	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Chrysene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Dibenzo(a,h)anthracene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Dibenzofuran	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
1,2-Dichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
1,3-Dichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
1,4-Dichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
3,3'-Dichlorobenzidine	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
2,4-Dichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Diethyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
2,4-Dimethylphenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC



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Huntersville NC, 28078
Attention: Ms. Ashley Nifong

January 08, 2010

Report No.: ATA0024

Client ID: TT-2953-3/9260576003

Date/Time Sampled: 12/29/2009 12:05:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-03

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
4,6-Dinitro-2-methylphenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
2,4-Dinitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
2,4-Dinitrotoluene	ND	830	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
2,6-Dinitrotoluene	ND	830	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Bis(2-ethylhexyl)phthalate	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Fluorene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Hexachlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Hexachlorobutadiene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Hexachlorocyclopentadiene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Hexachloroethane	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Isophorone	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
2-Methylnaphthalene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
2-Methylphenol (o-cresol)	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
3+4-Methylphenol (m+p-cresol)	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Naphthalene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
2-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
3-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
4-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Nitrobenzene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
2-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
4-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
N-Nitrosodimethylamine	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
N-Nitrosodi-n-propylamine	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Di-n-octyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Pentachlorophenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Phenanthrene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Phenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Pyrene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Pyridine	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
1,2,4-Trichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
2,4,5-Trichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC



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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2953-3/9260576003

Date/Time Sampled: 12/29/2009 12:05:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-03

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
1-Methylnaphthalene *	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:38	0010087	RAC
Surrogate: 2-Fluorophenol	55 %	10-91		EPA 8270D			1/06/10 9:10	1/6/10 18:38	0010087	
Surrogate: Phenol-d5	62 %	10-98		EPA 8270D			1/06/10 9:10	1/6/10 18:38	0010087	
Surrogate: Nitrobenzene-d5	54 %	10-100		EPA 8270D			1/06/10 9:10	1/6/10 18:38	0010087	
Surrogate: 2-Fluorobiphenyl	55 %	10-102		EPA 8270D			1/06/10 9:10	1/6/10 18:38	0010087	
Surrogate: 2,4,6-Tribromophenol	60 %	10-189		EPA 8270D			1/06/10 9:10	1/6/10 18:38	0010087	
Surrogate: p-Terphenyl-d14	72 %	10-114		EPA 8270D			1/06/10 9:10	1/6/10 18:38	0010087	



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January 08, 2010

Report No.: ATA0024

Client ID: TT-2953-4/9260576004

Date/Time Sampled: 12/29/2009 11:55:00AM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-04

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	77.4	0.04 % by Weight		SOP Moisture		1	1/07/10 10:00	1/07/10 10:00	0010123	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Acenaphthene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Acenaphthylene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Aniline	ND	850	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Benzo(a)anthracene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Benzo(a)pyrene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Benzo(b)fluoranthene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Benzo(ghi)perylene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Benzo(k)fluoranthene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Benzoic acid	ND	2200	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Benzyl alcohol	ND	850	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Benzyl butyl phthalate	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
4-Bromophenyl phenyl ether	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Di-n-butyl phthalate	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
4-Chloroaniline	ND	850	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Bis(2-chloroethoxy)methane	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Bis(2-chloroethyl)ether	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Bis(2-chloroisopropyl)ether	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
4-Chloro-3-methylphenol	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
2-Chloronaphthalene	ND	850	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
2-Chlorophenol	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
4-Chlorophenyl phenyl ether	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Chrysene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Dibenzo(a,h)anthracene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Dibenzofuran	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
1,2-Dichlorobenzene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
1,3-Dichlorobenzene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
1,4-Dichlorobenzene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
3,3'-Dichlorobenzidine	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
2,4-Dichlorophenol	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Diethyl phthalate	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
2,4-Dimethylphenol	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC



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Attention: Ms. Ashley Nifong

January 08, 2010

Report No.: ATA0024

Client ID: TT-2953-4/9260576004

Date/Time Sampled: 12/29/2009 11:55:00AM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-04

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
4,6-Dinitro-2-methylphenol	ND	2200	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
2,4-Dinitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
2,4-Dinitrotoluene	ND	850	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
2,6-Dinitrotoluene	ND	850	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Bis(2-ethylhexyl)phthalate	ND	430	ug/kg dry	EPA 8270D		1	1/07/10 9:30	1/07/10 15:41	0010129	RAC
Fluoranthene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Fluorene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Hexachlorobenzene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Hexachlorobutadiene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Hexachlorocyclopentadiene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Hexachloroethane	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Indeno(1,2,3-cd)pyrene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Isophorone	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
2-Methylnaphthalene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
2-Methylphenol (o-cresol)	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
3+4-Methylphenol (m+p-cresol)	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Naphthalene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
2-Nitroaniline	ND	2200	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
3-Nitroaniline	ND	2200	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
4-Nitroaniline	ND	2200	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Nitrobenzene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
2-Nitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
4-Nitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
N-Nitrosodimethylamine	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
N-Nitrosodi-n-propylamine	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Di-n-octyl phthalate	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Pentachlorophenol	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Phenanthrene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Phenol	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Pyrene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Pyridine	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
1,2,4-Trichlorobenzene	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
2,4,5-Trichlorophenol	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC



ANALYTICAL SERVICES, INC.

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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2953-4/9260576004

Date/Time Sampled: 12/29/2009 11:55:00AM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-04

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
1-Methylnaphthalene *	ND	430	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 18:59	0010087	RAC
Surrogate: 2-Fluorophenol	55 %	10-91		EPA 8270D			1/07/10 9:30	1/7/10 15:41	0010129	
Surrogate: 2-Fluorophenol	56 %	10-91		EPA 8270D			1/06/10 9:10	1/6/10 18:59	0010087	
Surrogate: Phenol-d5	61 %	10-98		EPA 8270D			1/06/10 9:10	1/6/10 18:59	0010087	
Surrogate: Phenol-d5	60 %	10-98		EPA 8270D			1/07/10 9:30	1/7/10 15:41	0010129	
Surrogate: Nitrobenzene-d5	51 %	10-100		EPA 8270D			1/07/10 9:30	1/7/10 15:41	0010129	
Surrogate: Nitrobenzene-d5	54 %	10-100		EPA 8270D			1/06/10 9:10	1/6/10 18:59	0010087	
Surrogate: 2-Fluorobiphenyl	53 %	10-102		EPA 8270D			1/07/10 9:30	1/7/10 15:41	0010129	
Surrogate: 2-Fluorobiphenyl	60 %	10-102		EPA 8270D			1/06/10 9:10	1/6/10 18:59	0010087	
Surrogate: 2,4,6-Tribromophenol	65 %	10-189		EPA 8270D			1/07/10 9:30	1/7/10 15:41	0010129	
Surrogate: 2,4,6-Tribromophenol	70 %	10-189		EPA 8270D			1/06/10 9:10	1/6/10 18:59	0010087	
Surrogate: p-Terphenyl-d14	65 %	10-114		EPA 8270D			1/07/10 9:30	1/7/10 15:41	0010129	
Surrogate: p-Terphenyl-d14	84 %	10-114		EPA 8270D			1/06/10 9:10	1/6/10 18:59	0010087	



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Attention: Ms. Ashley Nifong

January 08, 2010

Report No.: ATA0024

Client ID: TT-2953-B-11.8/9260576005

Date/Time Sampled: 12/30/2009 7:20:00AM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-05

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	81.2	0.04 % by Weight		SOP Moisture		1	1/07/10 10:00	1/07/10 10:00	0010123	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Acenaphthene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Acenaphthylene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Aniline	ND	810	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Benzo(a)anthracene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Benzo(a)pyrene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Benzo(b)fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Benzo(ghi)perylene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Benzo(k)fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Benzoic acid	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Benzyl alcohol	ND	810	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Benzyl butyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
4-Bromophenyl phenyl ether	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Di-n-butyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
4-Chloroaniline	ND	810	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Bis(2-chloroethoxy)methane	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Bis(2-chloroethyl)ether	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Bis(2-chloroisopropyl)ether	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
4-Chloro-3-methylphenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
2-Chloronaphthalene	ND	810	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
2-Chlorophenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
4-Chlorophenyl phenyl ether	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Chrysene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Dibenzo(a,h)anthracene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Dibenzofuran	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
1,2-Dichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
1,3-Dichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
1,4-Dichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
3,3'-Dichlorobenzidine	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
2,4-Dichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Diethyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
2,4-Dimethylphenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC



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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2953-B-11.8/9260576005

Date/Time Sampled: 12/30/2009 7:20:00AM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-05

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
4,6-Dinitro-2-methylphenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
2,4-Dinitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
2,4-Dinitrotoluene	ND	810	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
2,6-Dinitrotoluene	ND	810	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Bis(2-ethylhexyl)phthalate	ND	410	ug/kg dry	EPA 8270D		1	1/07/10 9:30	1/07/10 16:02	0010129	RAC
Fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Fluorene	980	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Hexachlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Hexachlorobutadiene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Hexachlorocyclopentadiene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Hexachloroethane	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Isophorone	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
2-Methylnaphthalene	6100	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
2-Methylphenol (o-cresol)	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
3+4-Methylphenol (m+p-cresol)	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Naphthalene	1300	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
2-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
3-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
4-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Nitrobenzene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
2-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
4-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
N-Nitrosodimethylamine	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
N-Nitrosodi-n-propylamine	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Di-n-octyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Pentachlorophenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Phenanthrene	1400	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Phenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Pyrene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Pyridine	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
1,2,4-Trichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
2,4,5-Trichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC



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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2953-B-11.8/9260576005

Date/Time Sampled: 12/30/2009 7:20:00AM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-05

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
1-Methylnaphthalene *	4900	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:20	0010087	RAC
Surrogate: 2-Fluorophenol	74 %	10-91		EPA 8270D			1/07/10 9:30	1/7/10 16:02	0010129	
Surrogate: 2-Fluorophenol	72 %	10-91		EPA 8270D			1/06/10 9:10	1/6/10 19:20	0010087	
Surrogate: Phenol-d5	83 %	10-98		EPA 8270D			1/06/10 9:10	1/6/10 19:20	0010087	
Surrogate: Phenol-d5	82 %	10-98		EPA 8270D			1/07/10 9:30	1/7/10 16:02	0010129	
Surrogate: Nitrobenzene-d5	97 %	10-100		EPA 8270D			1/07/10 9:30	1/7/10 16:02	0010129	
Surrogate: Nitrobenzene-d5	100 %	10-100		EPA 8270D			1/06/10 9:10	1/6/10 19:20	0010087	
Surrogate: 2-Fluorobiphenyl	75 %	10-102		EPA 8270D			1/07/10 9:30	1/7/10 16:02	0010129	
Surrogate: 2-Fluorobiphenyl	85 %	10-102		EPA 8270D			1/06/10 9:10	1/6/10 19:20	0010087	
Surrogate: 2,4,6-Tribromophenol	93 %	10-189		EPA 8270D			1/07/10 9:30	1/7/10 16:02	0010129	
Surrogate: 2,4,6-Tribromophenol	122 %	10-189		EPA 8270D			1/06/10 9:10	1/6/10 19:20	0010087	
Surrogate: p-Terphenyl-d14	66 %	10-114		EPA 8270D			1/07/10 9:30	1/7/10 16:02	0010129	
Surrogate: p-Terphenyl-d14	86 %	10-114		EPA 8270D			1/06/10 9:10	1/6/10 19:20	0010087	



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Attention: Ms. Ashley Nifong

January 08, 2010

Report No.: ATA0024

Client ID: TT-2995-1/9260576006

Date/Time Sampled: 12/30/2009 5:00:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-06

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	79.0	0.04 % by Weight		SOP Moisture		1	1/07/10 10:00	1/07/10 10:00	0010123	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Acenaphthene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Acenaphthylene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Aniline	ND	830	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Benzo(a)anthracene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Benzo(a)pyrene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Benzo(b)fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Benzo(ghi)perylene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Benzo(k)fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Benzoic acid	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Benzyl alcohol	ND	830	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Benzyl butyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
4-Bromophenyl phenyl ether	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Di-n-butyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
4-Chloroaniline	ND	830	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Bis(2-chloroethoxy)methane	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Bis(2-chloroethyl)ether	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Bis(2-chloroisopropyl)ether	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
4-Chloro-3-methylphenol	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
2-Chloronaphthalene	ND	830	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
2-Chlorophenol	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
4-Chlorophenyl phenyl ether	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Chrysene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Dibenzo(a,h)anthracene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Dibenzofuran	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
1,2-Dichlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
1,3-Dichlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
1,4-Dichlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
3,3'-Dichlorobenzidine	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
2,4-Dichlorophenol	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Diethyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
2,4-Dimethylphenol	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC



ANALYTICAL SERVICES, INC.

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

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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2995-1/9260576006

Date/Time Sampled: 12/30/2009 5:00:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-06

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
4,6-Dinitro-2-methylphenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
2,4-Dinitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
2,4-Dinitrotoluene	ND	830	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
2,6-Dinitrotoluene	ND	830	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Bis(2-ethylhexyl)phthalate	ND	420	ug/kg dry	EPA 8270D		1	1/07/10 9:30	1/07/10 16:23	0010129	RAC
Fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Fluorene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Hexachlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Hexachlorobutadiene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Hexachlorocyclopentadiene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Hexachloroethane	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Indeno(1,2,3-cd)pyrene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Isophorone	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
2-Methylnaphthalene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
2-Methylphenol (o-cresol)	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
3+4-Methylphenol (m+p-cresol)	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Naphthalene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
2-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
3-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
4-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Nitrobenzene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
2-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
4-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
N-Nitrosodimethylamine	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
N-Nitrosodi-n-propylamine	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Di-n-octyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Pentachlorophenol	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Phenanthrene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Phenol	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Pyrene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Pyridine	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
1,2,4-Trichlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
2,4,5-Trichlorophenol	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC



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

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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2995-1/9260576006

Date/Time Sampled: 12/30/2009 5:00:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-06

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
1-Methylnaphthalene *	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 19:41	0010087	RAC
Surrogate: 2-Fluorophenol	54 %	10-91		EPA 8270D			1/07/10 9:30	1/7/10 16:23	0010129	
Surrogate: 2-Fluorophenol	63 %	10-91		EPA 8270D			1/06/10 9:10	1/6/10 19:41	0010087	
Surrogate: Phenol-d5	61 %	10-98		EPA 8270D			1/07/10 9:30	1/7/10 16:23	0010129	
Surrogate: Phenol-d5	74 %	10-98		EPA 8270D			1/06/10 9:10	1/6/10 19:41	0010087	
Surrogate: Nitrobenzene-d5	56 %	10-100		EPA 8270D			1/07/10 9:30	1/7/10 16:23	0010129	
Surrogate: Nitrobenzene-d5	67 %	10-100		EPA 8270D			1/06/10 9:10	1/6/10 19:41	0010087	
Surrogate: 2-Fluorobiphenyl	58 %	10-102		EPA 8270D			1/07/10 9:30	1/7/10 16:23	0010129	
Surrogate: 2-Fluorobiphenyl	68 %	10-102		EPA 8270D			1/06/10 9:10	1/6/10 19:41	0010087	
Surrogate: 2,4,6-Tribromophenol	64 %	10-189		EPA 8270D			1/07/10 9:30	1/7/10 16:23	0010129	
Surrogate: 2,4,6-Tribromophenol	76 %	10-189		EPA 8270D			1/06/10 9:10	1/6/10 19:41	0010087	
Surrogate: p-Terphenyl-d14	65 %	10-114		EPA 8270D			1/07/10 9:30	1/7/10 16:23	0010129	
Surrogate: p-Terphenyl-d14	76 %	10-114		EPA 8270D			1/06/10 9:10	1/6/10 19:41	0010087	



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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2995-2/9260576007

Date/Time Sampled: 12/30/2009 5:25:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-07

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	82.9	0.04 % by Weight		SOP Moisture		1	1/07/10 10:00	1/07/10 10:00	0010123	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Acenaphthene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Acenaphthylene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Aniline	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Benzo(a)anthracene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Benzo(a)pyrene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Benzo(b)fluoranthene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Benzo(ghi)perylene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Benzo(k)fluoranthene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Benzoic acid	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Benzyl alcohol	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Benzyl butyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
4-Bromophenyl phenyl ether	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Di-n-butyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
4-Chloroaniline	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Bis(2-chloroethoxy)methane	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Bis(2-chloroethyl)ether	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Bis(2-chloroisopropyl)ether	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
4-Chloro-3-methylphenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
2-Chloronaphthalene	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
2-Chlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
4-Chlorophenyl phenyl ether	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Chrysene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Dibenzo(a,h)anthracene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Dibenzofuran	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
1,2-Dichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
1,3-Dichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
1,4-Dichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
3,3'-Dichlorobenzidine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
2,4-Dichlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Diethyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
2,4-Dimethylphenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC



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Attention: Ms. Ashley Nifong

January 08, 2010

Report No.: ATA0024

Client ID: TT-2995-2/9260576007

Date/Time Sampled: 12/30/2009 5:25:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-07

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
2,4-Dinitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
2,4-Dinitrotoluene	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
2,6-Dinitrotoluene	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Bis(2-ethylhexyl)phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/07/10 9:30	1/07/10 16:44	0010129	RAC
Fluoranthene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Fluorene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Hexachlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Hexachlorobutadiene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Hexachlorocyclopentadiene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Hexachloroethane	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Isophorone	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
2-Methylnaphthalene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
2-Methylphenol (o-cresol)	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
3+4-Methylphenol (m+p-cresol)	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Naphthalene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
2-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
3-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
4-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Nitrobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
2-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
4-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
N-Nitrosodimethylamine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
N-Nitrosodi-n-propylamine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Di-n-octyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Pentachlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Phenanthrene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Phenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Pyrene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Pyridine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
1,2,4-Trichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
2,4,5-Trichlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC



ANALYTICAL SERVICES, INC.

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

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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2995-2/9260576007

Date/Time Sampled: 12/30/2009 5:25:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-07

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
1-Methylnaphthalene *	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:02	0010087	RAC
Surrogate: 2-Fluorophenol	60 %	10-91		EPA 8270D			1/07/10 9:30	1/7/10 16:44	0010129	
Surrogate: 2-Fluorophenol	59 %	10-91		EPA 8270D			1/06/10 9:10	1/6/10 20:02	0010087	
Surrogate: Phenol-d5	66 %	10-98		EPA 8270D			1/06/10 9:10	1/6/10 20:02	0010087	
Surrogate: Phenol-d5	66 %	10-98		EPA 8270D			1/07/10 9:30	1/7/10 16:44	0010129	
Surrogate: Nitrobenzene-d5	57 %	10-100		EPA 8270D			1/07/10 9:30	1/7/10 16:44	0010129	
Surrogate: Nitrobenzene-d5	58 %	10-100		EPA 8270D			1/06/10 9:10	1/6/10 20:02	0010087	
Surrogate: 2-Fluorobiphenyl	66 %	10-102		EPA 8270D			1/06/10 9:10	1/6/10 20:02	0010087	
Surrogate: 2-Fluorobiphenyl	58 %	10-102		EPA 8270D			1/07/10 9:30	1/7/10 16:44	0010129	
Surrogate: 2,4,6-Tribromophenol	71 %	10-189		EPA 8270D			1/07/10 9:30	1/7/10 16:44	0010129	
Surrogate: 2,4,6-Tribromophenol	70 %	10-189		EPA 8270D			1/06/10 9:10	1/6/10 20:02	0010087	
Surrogate: p-Terphenyl-d14	69 %	10-114		EPA 8270D			1/07/10 9:30	1/7/10 16:44	0010129	
Surrogate: p-Terphenyl-d14	68 %	10-114		EPA 8270D			1/06/10 9:10	1/6/10 20:02	0010087	



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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2995-3/9260576008

Date/Time Sampled: 12/30/2009 5:10:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-08

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	74.9	0.04 % by Weight		SOP Moisture		1	1/07/10 10:00	1/07/10 10:00	0010123	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Acenaphthene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Acenaphthylene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Aniline	ND	880	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Benzo(a)anthracene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Benzo(a)pyrene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Benzo(b)fluoranthene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Benzo(ghi)perylene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Benzo(k)fluoranthene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Benzoic acid	ND	2300	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Benzyl alcohol	ND	880	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Benzyl butyl phthalate	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
4-Bromophenyl phenyl ether	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Di-n-butyl phthalate	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
4-Chloroaniline	ND	880	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Bis(2-chloroethoxy)methane	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Bis(2-chloroethyl)ether	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Bis(2-chloroisopropyl)ether	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
4-Chloro-3-methylphenol	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
2-Chloronaphthalene	ND	880	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
2-Chlorophenol	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
4-Chlorophenyl phenyl ether	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Chrysene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Dibenzo(a,h)anthracene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Dibenzofuran	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
1,2-Dichlorobenzene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
1,3-Dichlorobenzene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
1,4-Dichlorobenzene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
3,3'-Dichlorobenzidine	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
2,4-Dichlorophenol	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Diethyl phthalate	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
2,4-Dimethylphenol	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC



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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2995-3/9260576008

Date/Time Sampled: 12/30/2009 5:10:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-08

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
4,6-Dinitro-2-methylphenol	ND	2300	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
2,4-Dinitrophenol	ND	2300	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
2,4-Dinitrotoluene	ND	880	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
2,6-Dinitrotoluene	ND	880	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Bis(2-ethylhexyl)phthalate	ND	440	ug/kg dry	EPA 8270D		1	1/07/10 9:30	1/07/10 17:05	0010129	RAC
Fluoranthene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Fluorene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Hexachlorobenzene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Hexachlorobutadiene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Hexachlorocyclopentadiene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Hexachloroethane	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Indeno(1,2,3-cd)pyrene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Isophorone	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
2-Methylnaphthalene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
2-Methylphenol (o-cresol)	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
3+4-Methylphenol (m+p-cresol)	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Naphthalene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
2-Nitroaniline	ND	2300	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
3-Nitroaniline	ND	2300	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
4-Nitroaniline	ND	2300	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Nitrobenzene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
2-Nitrophenol	ND	2300	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
4-Nitrophenol	ND	2300	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
N-Nitrosodimethylamine	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
N-Nitrosodi-n-propylamine	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Di-n-octyl phthalate	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Pentachlorophenol	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Phenanthrene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Phenol	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Pyrene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Pyridine	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
1,2,4-Trichlorobenzene	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
2,4,5-Trichlorophenol	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC



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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2995-3/9260576008

Date/Time Sampled: 12/30/2009 5:10:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-08

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
1-Methylnaphthalene *	ND	440	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:23	0010087	RAC
Surrogate: 2-Fluorophenol	54 %	10-91		EPA 8270D			1/06/10 9:10	1/6/10 20:23	0010087	
Surrogate: 2-Fluorophenol	56 %	10-91		EPA 8270D			1/07/10 9:30	1/7/10 17:05	0010129	
Surrogate: Phenol-d5	59 %	10-98		EPA 8270D			1/06/10 9:10	1/6/10 20:23	0010087	
Surrogate: Phenol-d5	61 %	10-98		EPA 8270D			1/07/10 9:30	1/7/10 17:05	0010129	
Surrogate: Nitrobenzene-d5	53 %	10-100		EPA 8270D			1/06/10 9:10	1/6/10 20:23	0010087	
Surrogate: Nitrobenzene-d5	55 %	10-100		EPA 8270D			1/07/10 9:30	1/7/10 17:05	0010129	
Surrogate: 2-Fluorobiphenyl	53 %	10-102		EPA 8270D			1/06/10 9:10	1/6/10 20:23	0010087	
Surrogate: 2-Fluorobiphenyl	57 %	10-102		EPA 8270D			1/07/10 9:30	1/7/10 17:05	0010129	
Surrogate: 2,4,6-Tribromophenol	60 %	10-189		EPA 8270D			1/06/10 9:10	1/6/10 20:23	0010087	
Surrogate: 2,4,6-Tribromophenol	64 %	10-189		EPA 8270D			1/07/10 9:30	1/7/10 17:05	0010129	
Surrogate: p-Terphenyl-d14	73 %	10-114		EPA 8270D			1/06/10 9:10	1/6/10 20:23	0010087	
Surrogate: p-Terphenyl-d14	68 %	10-114		EPA 8270D			1/07/10 9:30	1/7/10 17:05	0010129	



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Huntersville NC, 28078
Attention: Ms. Ashley Nifong

January 08, 2010

Report No.: ATA0024

Client ID: TT-2995-4/9260576009

Date/Time Sampled: 12/30/2009 5:20:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-09

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	78.4	0.04 % by Weight		SOP Moisture		1	1/07/10 10:00	1/07/10 10:00	0010123	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Acenaphthene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Acenaphthylene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Aniline	ND	840	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Benzo(a)anthracene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Benzo(a)pyrene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Benzo(b)fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Benzo(ghi)perylene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Benzo(k)fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Benzoic acid	ND	2200	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Benzyl alcohol	ND	840	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Benzyl butyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
4-Bromophenyl phenyl ether	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Di-n-butyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
4-Chloroaniline	ND	840	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Bis(2-chloroethoxy)methane	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Bis(2-chloroethyl)ether	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Bis(2-chloroisopropyl)ether	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
4-Chloro-3-methylphenol	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
2-Chloronaphthalene	ND	840	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
2-Chlorophenol	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
4-Chlorophenyl phenyl ether	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Chrysene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Dibenzo(a,h)anthracene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Dibenzofuran	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
1,2-Dichlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
1,3-Dichlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
1,4-Dichlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
3,3'-Dichlorobenzidine	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
2,4-Dichlorophenol	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Diethyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
2,4-Dimethylphenol	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC



ANALYTICAL SERVICES, INC.

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

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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2995-4/9260576009

Date/Time Sampled: 12/30/2009 5:20:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-09

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
4,6-Dinitro-2-methylphenol	ND	2200	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
2,4-Dinitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
2,4-Dinitrotoluene	ND	840	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
2,6-Dinitrotoluene	ND	840	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Bis(2-ethylhexyl)phthalate	ND	420	ug/kg dry	EPA 8270D		1	1/07/10 9:30	1/07/10 17:26	0010129	RAC
Fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Fluorene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Hexachlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Hexachlorobutadiene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Hexachlorocyclopentadiene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Hexachloroethane	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Indeno(1,2,3-cd)pyrene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Isophorone	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
2-Methylnaphthalene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
2-Methylphenol (o-cresol)	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
3+4-Methylphenol (m+p-cresol)	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Naphthalene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
2-Nitroaniline	ND	2200	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
3-Nitroaniline	ND	2200	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
4-Nitroaniline	ND	2200	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Nitrobenzene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
2-Nitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
4-Nitrophenol	ND	2200	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
N-Nitrosodimethylamine	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
N-Nitrosodi-n-propylamine	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Di-n-octyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Pentachlorophenol	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Phenanthrene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Phenol	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Pyrene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Pyridine	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
1,2,4-Trichlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
2,4,5-Trichlorophenol	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC



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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2995-4/9260576009

Date/Time Sampled: 12/30/2009 5:20:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-09

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
1-Methylnaphthalene *	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 20:44	0010087	RAC
Surrogate: 2-Fluorophenol	59 %	10-91		EPA 8270D			1/07/10 9:30	1/7/10 17:26	0010129	
Surrogate: 2-Fluorophenol	49 %	10-91		EPA 8270D			1/06/10 9:10	1/6/10 20:44	0010087	
Surrogate: Phenol-d5	65 %	10-98		EPA 8270D			1/07/10 9:30	1/7/10 17:26	0010129	
Surrogate: Phenol-d5	55 %	10-98		EPA 8270D			1/06/10 9:10	1/6/10 20:44	0010087	
Surrogate: Nitrobenzene-d5	56 %	10-100		EPA 8270D			1/07/10 9:30	1/7/10 17:26	0010129	
Surrogate: Nitrobenzene-d5	48 %	10-100		EPA 8270D			1/06/10 9:10	1/6/10 20:44	0010087	
Surrogate: 2-Fluorobiphenyl	60 %	10-102		EPA 8270D			1/07/10 9:30	1/7/10 17:26	0010129	
Surrogate: 2-Fluorobiphenyl	52 %	10-102		EPA 8270D			1/06/10 9:10	1/6/10 20:44	0010087	
Surrogate: 2,4,6-Tribromophenol	69 %	10-189		EPA 8270D			1/07/10 9:30	1/7/10 17:26	0010129	
Surrogate: 2,4,6-Tribromophenol	58 %	10-189		EPA 8270D			1/06/10 9:10	1/6/10 20:44	0010087	
Surrogate: p-Terphenyl-d14	73 %	10-114		EPA 8270D			1/06/10 9:10	1/6/10 20:44	0010087	
Surrogate: p-Terphenyl-d14	79 %	10-114		EPA 8270D			1/07/10 9:30	1/7/10 17:26	0010129	



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Attention: Ms. Ashley Nifong

January 08, 2010

Report No.: ATA0024

Client ID: TT-2995-B-7/9260576010

Date/Time Sampled: 12/30/2009 5:30:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-10

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	79.1	0.04 % by Weight		SOP Moisture		1	1/07/10 10:00	1/07/10 10:00	0010123	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Acenaphthene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Acenaphthylene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Aniline	ND	830	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Benzo(a)anthracene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Benzo(a)pyrene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Benzo(b)fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Benzo(ghi)perylene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Benzo(k)fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Benzoic acid	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Benzyl alcohol	ND	830	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Benzyl butyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
4-Bromophenyl phenyl ether	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Di-n-butyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
4-Chloroaniline	ND	830	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Bis(2-chloroethoxy)methane	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Bis(2-chloroethyl)ether	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Bis(2-chloroisopropyl)ether	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
4-Chloro-3-methylphenol	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
2-Chloronaphthalene	ND	830	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
2-Chlorophenol	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
4-Chlorophenyl phenyl ether	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Chrysene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Dibenzo(a,h)anthracene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Dibenzofuran	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
1,2-Dichlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
1,3-Dichlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
1,4-Dichlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
3,3'-Dichlorobenzidine	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
2,4-Dichlorophenol	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Diethyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
2,4-Dimethylphenol	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC



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Attention: Ms. Ashley Nifong

January 08, 2010

Report No.: ATA0024

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Date/Time Sampled: 12/30/2009 5:30:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-10

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
4,6-Dinitro-2-methylphenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
2,4-Dinitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
2,4-Dinitrotoluene	ND	830	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
2,6-Dinitrotoluene	ND	830	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Bis(2-ethylhexyl)phthalate	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Fluoranthene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Fluorene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Hexachlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Hexachlorobutadiene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Hexachlorocyclopentadiene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Hexachloroethane	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Indeno(1,2,3-cd)pyrene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Isophorone	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
2-Methylnaphthalene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
3+4-Methylphenol (m+p-cresol)	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
2-Methylphenol (o-cresol)	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Naphthalene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
2-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
3-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
4-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Nitrobenzene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
2-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
4-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
N-Nitrosodimethylamine	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
N-Nitrosodi-n-propylamine	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Di-n-octyl phthalate	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Pentachlorophenol	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Phenanthrene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Phenol	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Pyrene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Pyridine	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
1,2,4-Trichlorobenzene	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
2,4,5-Trichlorophenol	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC



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January 08, 2010

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Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-10

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
1-Methylnaphthalene *	ND	420	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:05	0010087	RAC
Surrogate: 2-Fluorophenol	50 %	10-91		EPA 8270D			1/06/10 9:10	1/6/10 21:05	0010087	
Surrogate: Phenol-d5	55 %	10-98		EPA 8270D			1/06/10 9:10	1/6/10 21:05	0010087	
Surrogate: Nitrobenzene-d5	47 %	10-100		EPA 8270D			1/06/10 9:10	1/6/10 21:05	0010087	
Surrogate: 2-Fluorobiphenyl	51 %	10-102		EPA 8270D			1/06/10 9:10	1/6/10 21:05	0010087	
Surrogate: 2,4,6-Tribromophenol	51 %	10-189		EPA 8270D			1/06/10 9:10	1/6/10 21:05	0010087	
Surrogate: p-Terphenyl-d14	68 %	10-114		EPA 8270D			1/06/10 9:10	1/6/10 21:05	0010087	



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January 08, 2010

Report No.: ATA0024

Client ID: TT-2590-1/9260576011

Date/Time Sampled: 12/30/2009 1:10:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-11

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	83.5	0.04 % by Weight		SOP Moisture		1	1/07/10 10:00	1/07/10 10:00	0010123	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Acenaphthene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Acenaphthylene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Aniline	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Benzo(a)anthracene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Benzo(a)pyrene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Benzo(b)fluoranthene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Benzo(ghi)perylene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Benzo(k)fluoranthene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Benzoic acid	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Benzyl alcohol	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Benzyl butyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
4-Bromophenyl phenyl ether	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Di-n-butyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
4-Chloroaniline	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Bis(2-chloroethoxy)methane	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Bis(2-chloroethyl)ether	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Bis(2-chloroisopropyl)ether	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
4-Chloro-3-methylphenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
2-Chloronaphthalene	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
2-Chlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
4-Chlorophenyl phenyl ether	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Chrysene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Dibenzo(a,h)anthracene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Dibenzofuran	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
1,2-Dichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
1,3-Dichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
1,4-Dichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
3,3'-Dichlorobenzidine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
2,4-Dichlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Diethyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
2,4-Dimethylphenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC



ANALYTICAL SERVICES, INC.

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

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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2590-1/9260576011

Date/Time Sampled: 12/30/2009 1:10:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-11

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
2,4-Dinitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
2,4-Dinitrotoluene	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
2,6-Dinitrotoluene	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Bis(2-ethylhexyl)phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/07/10 9:30	1/07/10 17:47	0010129	RAC
Fluoranthene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Fluorene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Hexachlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Hexachlorobutadiene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Hexachlorocyclopentadiene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Hexachloroethane	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Indeno(1,2,3-cd)pyrene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Isophorone	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
2-Methylnaphthalene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
3+4-Methylphenol (m+p-cresol)	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
2-Methylphenol (o-cresol)	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Naphthalene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
2-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
3-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
4-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Nitrobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
2-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
4-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
N-Nitrosodimethylamine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
N-Nitrosodi-n-propylamine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Di-n-octyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Pentachlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Phenanthrene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Phenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Pyrene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Pyridine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
1,2,4-Trichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
2,4,5-Trichlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC



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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2590-1/9260576011

Date/Time Sampled: 12/30/2009 1:10:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-11

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
1-Methylnaphthalene *	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:26	0010087	RAC
Surrogate: 2-Fluorophenol	58 %	10-91		EPA 8270D			1/07/10 9:30	1/7/10 17:47	0010129	
Surrogate: 2-Fluorophenol	67 %	10-91		EPA 8270D			1/06/10 9:10	1/6/10 21:26	0010087	
Surrogate: Phenol-d5	64 %	10-98		EPA 8270D			1/07/10 9:30	1/7/10 17:47	0010129	
Surrogate: Phenol-d5	72 %	10-98		EPA 8270D			1/06/10 9:10	1/6/10 21:26	0010087	
Surrogate: Nitrobenzene-d5	55 %	10-100		EPA 8270D			1/07/10 9:30	1/7/10 17:47	0010129	
Surrogate: Nitrobenzene-d5	62 %	10-100		EPA 8270D			1/06/10 9:10	1/6/10 21:26	0010087	
Surrogate: 2-Fluorobiphenyl	58 %	10-102		EPA 8270D			1/07/10 9:30	1/7/10 17:47	0010129	
Surrogate: 2-Fluorobiphenyl	66 %	10-102		EPA 8270D			1/06/10 9:10	1/6/10 21:26	0010087	
Surrogate: 2,4,6-Tribromophenol	73 %	10-189		EPA 8270D			1/07/10 9:30	1/7/10 17:47	0010129	
Surrogate: 2,4,6-Tribromophenol	74 %	10-189		EPA 8270D			1/06/10 9:10	1/6/10 21:26	0010087	
Surrogate: p-Terphenyl-d14	74 %	10-114		EPA 8270D			1/07/10 9:30	1/7/10 17:47	0010129	
Surrogate: p-Terphenyl-d14	77 %	10-114		EPA 8270D			1/06/10 9:10	1/6/10 21:26	0010087	



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Huntersville NC, 28078
Attention: Ms. Ashley Nifong

January 08, 2010

Report No.: ATA0024

Client ID: TT-2590-2/9260576012

Date/Time Sampled: 12/30/2009 1:25:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-12

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	84.8	0.04 % by Weight		SOP Moisture		1	1/07/10 10:00	1/07/10 10:00	0010123	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Acenaphthene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Acenaphthylene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Aniline	ND	770	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Benzo(a)anthracene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Benzo(a)pyrene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Benzo(b)fluoranthene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Benzo(ghi)perylene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Benzo(k)fluoranthene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Benzoic acid	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Benzyl alcohol	ND	770	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Benzyl butyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
4-Bromophenyl phenyl ether	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Di-n-butyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
4-Chloroaniline	ND	770	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Bis(2-chloroethoxy)methane	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Bis(2-chloroethyl)ether	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Bis(2-chloroisopropyl)ether	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
4-Chloro-3-methylphenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
2-Chloronaphthalene	ND	770	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
2-Chlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
4-Chlorophenyl phenyl ether	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Chrysene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Dibenzo(a,h)anthracene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Dibenzofuran	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
1,2-Dichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
1,3-Dichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
1,4-Dichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
3,3'-Dichlorobenzidine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
2,4-Dichlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Diethyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
2,4-Dimethylphenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC



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January 08, 2010

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Date/Time Sampled: 12/30/2009 1:25:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-12

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
2,4-Dinitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
2,4-Dinitrotoluene	ND	770	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
2,6-Dinitrotoluene	ND	770	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Bis(2-ethylhexyl)phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Fluoranthene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Fluorene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Hexachlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Hexachlorobutadiene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Hexachlorocyclopentadiene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Hexachloroethane	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Indeno(1,2,3-cd)pyrene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Isophorone	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
2-Methylnaphthalene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
2-Methylphenol (o-cresol)	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
3+4-Methylphenol (m+p-cresol)	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Naphthalene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
2-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
3-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
4-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Nitrobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
2-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
4-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
N-Nitrosodimethylamine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
N-Nitrosodi-n-propylamine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Di-n-octyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Pentachlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Phenanthrene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Phenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Pyrene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Pyridine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
1,2,4-Trichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
2,4,5-Trichlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC



ANALYTICAL SERVICES, INC.

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

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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2590-2/9260576012

Date/Time Sampled: 12/30/2009 1:25:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-12

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
1-Methylnaphthalene *	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 21:47	0010087	RAC
Surrogate: 2-Fluorophenol	57 %	10-91		EPA 8270D			1/06/10 9:10	1/6/10 21:47	0010087	
Surrogate: Phenol-d5	63 %	10-98		EPA 8270D			1/06/10 9:10	1/6/10 21:47	0010087	
Surrogate: Nitrobenzene-d5	54 %	10-100		EPA 8270D			1/06/10 9:10	1/6/10 21:47	0010087	
Surrogate: 2-Fluorobiphenyl	60 %	10-102		EPA 8270D			1/06/10 9:10	1/6/10 21:47	0010087	
Surrogate: 2,4,6-Tribromophenol	60 %	10-189		EPA 8270D			1/06/10 9:10	1/6/10 21:47	0010087	
Surrogate: p-Terphenyl-d14	73 %	10-114		EPA 8270D			1/06/10 9:10	1/6/10 21:47	0010087	



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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2590-3/9260576013

Date/Time Sampled: 12/30/2009 1:45:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-13

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	85.7	0.04 % by Weight		SOP Moisture		1	1/07/10 10:00	1/07/10 10:00	0010123	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Acenaphthene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Acenaphthylene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Aniline	ND	770	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Benzo(a)anthracene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Benzo(a)pyrene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Benzo(b)fluoranthene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Benzo(ghi)perylene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Benzo(k)fluoranthene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Benzoic acid	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Benzyl alcohol	ND	770	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Benzyl butyl phthalate	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
4-Bromophenyl phenyl ether	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Di-n-butyl phthalate	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
4-Chloroaniline	ND	770	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Bis(2-chloroethoxy)methane	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Bis(2-chloroethyl)ether	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Bis(2-chloroisopropyl)ether	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
4-Chloro-3-methylphenol	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
2-Chloronaphthalene	ND	770	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
2-Chlorophenol	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
4-Chlorophenyl phenyl ether	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Chrysene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Dibenzo(a,h)anthracene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Dibenzofuran	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
1,2-Dichlorobenzene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
1,3-Dichlorobenzene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
1,4-Dichlorobenzene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
3,3'-Dichlorobenzidine	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
2,4-Dichlorophenol	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Diethyl phthalate	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
2,4-Dimethylphenol	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC



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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2590-3/9260576013

Date/Time Sampled: 12/30/2009 1:45:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-13

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
2,4-Dinitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
2,4-Dinitrotoluene	ND	770	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
2,6-Dinitrotoluene	ND	770	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Bis(2-ethylhexyl)phthalate	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Fluoranthene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Fluorene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Hexachlorobenzene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Hexachlorobutadiene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Hexachlorocyclopentadiene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Hexachloroethane	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Indeno(1,2,3-cd)pyrene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Isophorone	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
2-Methylnaphthalene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
2-Methylphenol (o-cresol)	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
3+4-Methylphenol (m+p-cresol)	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Naphthalene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
2-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
3-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
4-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Nitrobenzene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
2-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
4-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
N-Nitrosodimethylamine	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
N-Nitrosodi-n-propylamine	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Di-n-octyl phthalate	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Pentachlorophenol	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Phenanthrene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Phenol	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Pyrene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Pyridine	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
1,2,4-Trichlorobenzene	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
2,4,5-Trichlorophenol	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC



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Environmental Monitoring & Laboratory Analysis
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9800 Kincey Avenue
Huntersville NC, 28078
Attention: Ms. Ashley Nifong

January 08, 2010

Report No.: ATA0024

Client ID: TT-2590-3/9260576013

Date/Time Sampled: 12/30/2009 1:45:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-13

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
1-Methylnaphthalene *	ND	380	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:07	0010087	RAC
Surrogate: 2-Fluorophenol	54 %	10-91		EPA 8270D			1/06/10 9:10	1/6/10 22:07	0010087	
Surrogate: Phenol-d5	62 %	10-98		EPA 8270D			1/06/10 9:10	1/6/10 22:07	0010087	
Surrogate: Nitrobenzene-d5	51 %	10-100		EPA 8270D			1/06/10 9:10	1/6/10 22:07	0010087	
Surrogate: 2-Fluorobiphenyl	58 %	10-102		EPA 8270D			1/06/10 9:10	1/6/10 22:07	0010087	
Surrogate: 2,4,6-Tribromophenol	53 %	10-189		EPA 8270D			1/06/10 9:10	1/6/10 22:07	0010087	
Surrogate: p-Terphenyl-d14	63 %	10-114		EPA 8270D			1/06/10 9:10	1/6/10 22:07	0010087	



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January 08, 2010

Report No.: ATA0024

Client ID: TT-2590-4/9260576014

Date/Time Sampled: 12/30/2009 2:05:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-14

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	84.8	0.04 % by Weight		SOP Moisture		1	1/07/10 10:00	1/07/10 10:00	0010123	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Acenaphthene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Acenaphthylene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Aniline	ND	780	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Benzo(a)anthracene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Benzo(a)pyrene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Benzo(b)fluoranthene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Benzo(ghi)perylene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Benzo(k)fluoranthene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Benzoic acid	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Benzyl alcohol	ND	780	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Benzyl butyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
4-Bromophenyl phenyl ether	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Di-n-butyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
4-Chloroaniline	ND	780	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Bis(2-chloroethoxy)methane	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Bis(2-chloroethyl)ether	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Bis(2-chloroisopropyl)ether	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
4-Chloro-3-methylphenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
2-Chloronaphthalene	ND	780	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
2-Chlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
4-Chlorophenyl phenyl ether	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Chrysene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Dibenzo(a,h)anthracene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Dibenzofuran	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
1,2-Dichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
1,3-Dichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
1,4-Dichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
3,3'-Dichlorobenzidine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
2,4-Dichlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Diethyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
2,4-Dimethylphenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC



ANALYTICAL SERVICES, INC.

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

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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2590-4/9260576014

Date/Time Sampled: 12/30/2009 2:05:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-14

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
2,4-Dinitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
2,4-Dinitrotoluene	ND	780	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
2,6-Dinitrotoluene	ND	780	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Bis(2-ethylhexyl)phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Fluoranthene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Fluorene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Hexachlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Hexachlorobutadiene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Hexachlorocyclopentadiene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Hexachloroethane	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Indeno(1,2,3-cd)pyrene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Isophorone	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
2-Methylnaphthalene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
3+4-Methylphenol (m+p-cresol)	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
2-Methylphenol (o-cresol)	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Naphthalene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
2-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
3-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
4-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Nitrobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
2-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
4-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
N-Nitrosodimethylamine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
N-Nitrosodi-n-propylamine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Di-n-octyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Pentachlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Phenanthrene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Phenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Pyrene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Pyridine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
1,2,4-Trichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
2,4,5-Trichlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC



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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2590-4/9260576014

Date/Time Sampled: 12/30/2009 2:05:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-14

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
1-Methylnaphthalene *	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:28	0010087	RAC
Surrogate: 2-Fluorophenol	60 %	10-91		EPA 8270D			1/06/10 9:10	1/6/10 22:28	0010087	
Surrogate: Phenol-d5	65 %	10-98		EPA 8270D			1/06/10 9:10	1/6/10 22:28	0010087	
Surrogate: Nitrobenzene-d5	54 %	10-100		EPA 8270D			1/06/10 9:10	1/6/10 22:28	0010087	
Surrogate: 2-Fluorobiphenyl	60 %	10-102		EPA 8270D			1/06/10 9:10	1/6/10 22:28	0010087	
Surrogate: 2,4,6-Tribromophenol	60 %	10-189		EPA 8270D			1/06/10 9:10	1/6/10 22:28	0010087	
Surrogate: p-Terphenyl-d14	70 %	10-114		EPA 8270D			1/06/10 9:10	1/6/10 22:28	0010087	



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Attention: Ms. Ashley Nifong

January 08, 2010

Report No.: ATA0024

Client ID: TT-2590-B-8/9260576015

Date/Time Sampled: 12/30/2009 2:25:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-15

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	84.3	0.04 % by Weight		SOP Moisture		1	1/07/10 10:00	1/07/10 10:00	0010123	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Acenaphthene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Acenaphthylene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Aniline	ND	780	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Benzo(a)anthracene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Benzo(a)pyrene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Benzo(b)fluoranthene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Benzo(ghi)perylene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Benzo(k)fluoranthene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Benzoic acid	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Benzyl alcohol	ND	780	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Benzyl butyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
4-Bromophenyl phenyl ether	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Di-n-butyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
4-Chloroaniline	ND	780	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Bis(2-chloroethoxy)methane	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Bis(2-chloroethyl)ether	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Bis(2-chloroisopropyl)ether	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
4-Chloro-3-methylphenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
2-Chloronaphthalene	ND	780	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
2-Chlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
4-Chlorophenyl phenyl ether	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Chrysene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Dibenzo(a,h)anthracene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Dibenzofuran	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
1,2-Dichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
1,3-Dichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
1,4-Dichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
3,3'-Dichlorobenzidine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
2,4-Dichlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Diethyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
2,4-Dimethylphenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC



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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2590-B-8/9260576015

Date/Time Sampled: 12/30/2009 2:25:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-15

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
2,4-Dinitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
2,4-Dinitrotoluene	ND	780	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
2,6-Dinitrotoluene	ND	780	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Bis(2-ethylhexyl)phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Fluoranthene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Fluorene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Hexachlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Hexachlorobutadiene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Hexachlorocyclopentadiene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Hexachloroethane	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Indeno(1,2,3-cd)pyrene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Isophorone	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
2-Methylnaphthalene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
3+4-Methylphenol (m+p-cresol)	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
2-Methylphenol (o-cresol)	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Naphthalene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
2-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
3-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
4-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Nitrobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
2-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
4-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
N-Nitrosodimethylamine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
N-Nitrosodi-n-propylamine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Di-n-octyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Pentachlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Phenanthrene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Phenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Pyrene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Pyridine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
1,2,4-Trichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
2,4,5-Trichlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC



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Attention: Ms. Ashley Nifong

January 08, 2010

Report No.: ATA0024

Client ID: TT-2590-B-8/9260576015

Date/Time Sampled: 12/30/2009 2:25:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-15

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
1-Methylnaphthalene *	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 22:49	0010087	RAC
Surrogate: 2-Fluorophenol	61 %	10-91		EPA 8270D			1/06/10 9:10	1/6/10 22:49	0010087	
Surrogate: Phenol-d5	70 %	10-98		EPA 8270D			1/06/10 9:10	1/6/10 22:49	0010087	
Surrogate: Nitrobenzene-d5	58 %	10-100		EPA 8270D			1/06/10 9:10	1/6/10 22:49	0010087	
Surrogate: 2-Fluorobiphenyl	66 %	10-102		EPA 8270D			1/06/10 9:10	1/6/10 22:49	0010087	
Surrogate: 2,4,6-Tribromophenol	66 %	10-189		EPA 8270D			1/06/10 9:10	1/6/10 22:49	0010087	
Surrogate: p-Terphenyl-d14	72 %	10-114		EPA 8270D			1/06/10 9:10	1/6/10 22:49	0010087	



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Attention: Ms. Ashley Nifong

January 08, 2010

Report No.: ATA0024

Client ID: TT-2594-1/9260576016

Date/Time Sampled: 12/30/2009 9:45:00AM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-16

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	80.2	0.04 % by Weight		SOP Moisture		1	1/07/10 10:00	1/07/10 10:00	0010123	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Acenaphthene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Acenaphthylene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Aniline	ND	820	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Benzo(a)anthracene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Benzo(a)pyrene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Benzo(b)fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Benzo(ghi)perylene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Benzo(k)fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Benzoic acid	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Benzyl alcohol	ND	820	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Benzyl butyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
4-Bromophenyl phenyl ether	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Di-n-butyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
4-Chloroaniline	ND	820	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Bis(2-chloroethoxy)methane	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Bis(2-chloroethyl)ether	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Bis(2-chloroisopropyl)ether	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
4-Chloro-3-methylphenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
2-Chloronaphthalene	ND	820	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
2-Chlorophenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
4-Chlorophenyl phenyl ether	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Chrysene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Dibenzo(a,h)anthracene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Dibenzofuran	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
1,2-Dichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
1,3-Dichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
1,4-Dichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
3,3'-Dichlorobenzidine	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
2,4-Dichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Diethyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
2,4-Dimethylphenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC



ANALYTICAL SERVICES, INC.

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

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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2594-1/9260576016

Date/Time Sampled: 12/30/2009 9:45:00AM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-16

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
4,6-Dinitro-2-methylphenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
2,4-Dinitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
2,4-Dinitrotoluene	ND	820	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
2,6-Dinitrotoluene	ND	820	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Bis(2-ethylhexyl)phthalate	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Fluoranthene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Fluorene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Hexachlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Hexachlorobutadiene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Hexachlorocyclopentadiene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Hexachloroethane	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Indeno(1,2,3-cd)pyrene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Isophorone	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
2-Methylnaphthalene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
2-Methylphenol (o-cresol)	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
3+4-Methylphenol (m+p-cresol)	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Naphthalene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
2-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
3-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
4-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Nitrobenzene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
2-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
4-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
N-Nitrosodimethylamine	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
N-Nitrosodi-n-propylamine	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Di-n-octyl phthalate	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Pentachlorophenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Phenanthrene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Phenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Pyrene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Pyridine	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
1,2,4-Trichlorobenzene	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
2,4,5-Trichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC



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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2594-1/9260576016

Date/Time Sampled: 12/30/2009 9:45:00AM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-16

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
1-Methylnaphthalene *	ND	410	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:10	0010087	RAC
Surrogate: 2-Fluorophenol	73 %	10-91		EPA 8270D			1/06/10 9:10	1/6/10 23:10	0010087	
Surrogate: Phenol-d5	81 %	10-98		EPA 8270D			1/06/10 9:10	1/6/10 23:10	0010087	
Surrogate: Nitrobenzene-d5	66 %	10-100		EPA 8270D			1/06/10 9:10	1/6/10 23:10	0010087	
Surrogate: 2-Fluorobiphenyl	73 %	10-102		EPA 8270D			1/06/10 9:10	1/6/10 23:10	0010087	
Surrogate: 2,4,6-Tribromophenol	73 %	10-189		EPA 8270D			1/06/10 9:10	1/6/10 23:10	0010087	
Surrogate: p-Terphenyl-d14	85 %	10-114		EPA 8270D			1/06/10 9:10	1/6/10 23:10	0010087	



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January 08, 2010

Report No.: ATA0024

Client ID: TT-2594-2/9260576017

Date/Time Sampled: 12/30/2009 10:30:00AM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-17

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	83.3	0.04 % by Weight		SOP Moisture		1	1/07/10 10:00	1/07/10 10:00	0010123	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Acenaphthene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Acenaphthylene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Aniline	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Benzo(a)anthracene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Benzo(a)pyrene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Benzo(b)fluoranthene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Benzo(ghi)perylene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Benzo(k)fluoranthene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Benzoic acid	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Benzyl alcohol	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Benzyl butyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
4-Bromophenyl phenyl ether	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Di-n-butyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
4-Chloroaniline	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Bis(2-chloroethoxy)methane	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Bis(2-chloroethyl)ether	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Bis(2-chloroisopropyl)ether	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
4-Chloro-3-methylphenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
2-Chloronaphthalene	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
2-Chlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
4-Chlorophenyl phenyl ether	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Chrysene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Dibenzo(a,h)anthracene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Dibenzofuran	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
1,2-Dichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
1,3-Dichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
1,4-Dichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
3,3'-Dichlorobenzidine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
2,4-Dichlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Diethyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
2,4-Dimethylphenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC



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Project: TT-II Tank Yank

Lab Number ID: ATA0024-17

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
2,4-Dinitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
2,4-Dinitrotoluene	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
2,6-Dinitrotoluene	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Bis(2-ethylhexyl)phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Fluoranthene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Fluorene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Hexachlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Hexachlorobutadiene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Hexachlorocyclopentadiene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Hexachloroethane	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Isophorone	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
2-Methylnaphthalene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
2-Methylphenol (o-cresol)	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
3+4-Methylphenol (m+p-cresol)	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Naphthalene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
2-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
3-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
4-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Nitrobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
2-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
4-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
N-Nitrosodimethylamine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
N-Nitrosodi-n-propylamine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Di-n-octyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Pentachlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Phenanthrene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Phenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Pyrene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Pyridine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
1,2,4-Trichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
2,4,5-Trichlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC



ANALYTICAL SERVICES, INC.

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

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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2594-2/9260576017

Date/Time Sampled: 12/30/2009 10:30:00AM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-17

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
1-Methylnaphthalene *	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:31	0010087	RAC
Surrogate: 2-Fluorophenol	57 %	10-91		EPA 8270D			1/06/10 9:10	1/6/10 23:31	0010087	
Surrogate: Phenol-d5	63 %	10-98		EPA 8270D			1/06/10 9:10	1/6/10 23:31	0010087	
Surrogate: Nitrobenzene-d5	53 %	10-100		EPA 8270D			1/06/10 9:10	1/6/10 23:31	0010087	
Surrogate: 2-Fluorobiphenyl	60 %	10-102		EPA 8270D			1/06/10 9:10	1/6/10 23:31	0010087	
Surrogate: 2,4,6-Tribromophenol	68 %	10-189		EPA 8270D			1/06/10 9:10	1/6/10 23:31	0010087	
Surrogate: p-Terphenyl-d14	83 %	10-114		EPA 8270D			1/06/10 9:10	1/6/10 23:31	0010087	



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Huntersville NC, 28078
Attention: Ms. Ashley Nifong

January 08, 2010

Report No.: ATA0024

Client ID: TT-2594-3/9260576018

Date/Time Sampled: 12/30/2009 11:05:00AM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-18

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	82.4	0.04 % by Weight		SOP Moisture		1	1/07/10 10:00	1/07/10 10:00	0010123	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Acenaphthene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Acenaphthylene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Aniline	ND	800	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Benzo(a)anthracene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Benzo(a)pyrene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Benzo(b)fluoranthene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Benzo(ghi)perylene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Benzo(k)fluoranthene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Benzoic acid	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Benzyl alcohol	ND	800	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Benzyl butyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
4-Bromophenyl phenyl ether	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Di-n-butyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
4-Chloroaniline	ND	800	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Bis(2-chloroethoxy)methane	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Bis(2-chloroethyl)ether	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Bis(2-chloroisopropyl)ether	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
4-Chloro-3-methylphenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
2-Chloronaphthalene	ND	800	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
2-Chlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
4-Chlorophenyl phenyl ether	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Chrysene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Dibenzo(a,h)anthracene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Dibenzofuran	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
1,2-Dichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
1,3-Dichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
1,4-Dichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
3,3'-Dichlorobenzidine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
2,4-Dichlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Diethyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
2,4-Dimethylphenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC



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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2594-3/9260576018

Date/Time Sampled: 12/30/2009 11:05:00AM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-18

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
4,6-Dinitro-2-methylphenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
2,4-Dinitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
2,4-Dinitrotoluene	ND	800	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
2,6-Dinitrotoluene	ND	800	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Bis(2-ethylhexyl)phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Fluoranthene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Fluorene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Hexachlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Hexachlorobutadiene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Hexachlorocyclopentadiene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Hexachloroethane	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Isophorone	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
2-Methylnaphthalene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
3+4-Methylphenol (m+p-cresol)	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
2-Methylphenol (o-cresol)	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Naphthalene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
2-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
3-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
4-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Nitrobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
2-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
4-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
N-Nitrosodimethylamine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
N-Nitrosodi-n-propylamine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Di-n-octyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Pentachlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Phenanthrene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Phenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Pyrene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Pyridine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
1,2,4-Trichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
2,4,5-Trichlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC



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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2594-3/9260576018

Date/Time Sampled: 12/30/2009 11:05:00AM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-18

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
1-Methylnaphthalene *	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/06/10 23:52	0010087	RAC
Surrogate: 2-Fluorophenol	63 %	10-91		EPA 8270D			1/06/10 9:10	1/6/10 23:52	0010087	
Surrogate: Phenol-d5	69 %	10-98		EPA 8270D			1/06/10 9:10	1/6/10 23:52	0010087	
Surrogate: Nitrobenzene-d5	60 %	10-100		EPA 8270D			1/06/10 9:10	1/6/10 23:52	0010087	
Surrogate: 2-Fluorobiphenyl	66 %	10-102		EPA 8270D			1/06/10 9:10	1/6/10 23:52	0010087	
Surrogate: 2,4,6-Tribromophenol	69 %	10-189		EPA 8270D			1/06/10 9:10	1/6/10 23:52	0010087	
Surrogate: p-Terphenyl-d14	85 %	10-114		EPA 8270D			1/06/10 9:10	1/6/10 23:52	0010087	



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January 08, 2010

Report No.: ATA0024

Client ID: TT-2594-4/9260576019

Date/Time Sampled: 12/30/2009 12:03:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-19

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	82.1	0.04 % by Weight		SOP Moisture		1	1/07/10 10:00	1/07/10 10:00	0010123	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Acenaphthene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Acenaphthylene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Aniline	ND	800	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Benzo(a)anthracene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Benzo(a)pyrene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Benzo(b)fluoranthene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Benzo(ghi)perylene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Benzo(k)fluoranthene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Benzoic acid	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Benzyl alcohol	ND	800	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Benzyl butyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
4-Bromophenyl phenyl ether	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Di-n-butyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
4-Chloroaniline	ND	800	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Bis(2-chloroethoxy)methane	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Bis(2-chloroethyl)ether	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Bis(2-chloroisopropyl)ether	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
4-Chloro-3-methylphenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
2-Chloronaphthalene	ND	800	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
2-Chlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
4-Chlorophenyl phenyl ether	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Chrysene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Dibenzo(a,h)anthracene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Dibenzofuran	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
1,2-Dichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
1,3-Dichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
1,4-Dichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
3,3'-Dichlorobenzidine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
2,4-Dichlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Diethyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
2,4-Dimethylphenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC



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January 08, 2010

Report No.: ATA0024

Client ID: TT-2594-4/9260576019

Date/Time Sampled: 12/30/2009 12:03:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-19

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
4,6-Dinitro-2-methylphenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
2,4-Dinitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
2,4-Dinitrotoluene	ND	800	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
2,6-Dinitrotoluene	ND	800	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Bis(2-ethylhexyl)phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Fluoranthene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Fluorene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Hexachlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Hexachlorobutadiene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Hexachlorocyclopentadiene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Hexachloroethane	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Indeno(1,2,3-cd)pyrene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Isophorone	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
2-Methylnaphthalene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
2-Methylphenol (o-cresol)	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
3+4-Methylphenol (m+p-cresol)	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Naphthalene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
2-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
3-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
4-Nitroaniline	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Nitrobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
2-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
4-Nitrophenol	ND	2100	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
N-Nitrosodimethylamine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
N-Nitrosodi-n-propylamine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Di-n-octyl phthalate	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Pentachlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Phenanthrene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Phenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Pyrene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Pyridine	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
1,2,4-Trichlorobenzene	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
2,4,5-Trichlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC



ANALYTICAL SERVICES, INC.

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

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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2594-4/9260576019

Date/Time Sampled: 12/30/2009 12:03:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-19

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
1-Methylnaphthalene *	ND	400	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:13	0010087	RAC
Surrogate: 2-Fluorophenol	69 %	10-91		EPA 8270D			1/06/10 9:10	1/7/10 0:13	0010087	
Surrogate: Phenol-d5	78 %	10-98		EPA 8270D			1/06/10 9:10	1/7/10 0:13	0010087	
Surrogate: Nitrobenzene-d5	66 %	10-100		EPA 8270D			1/06/10 9:10	1/7/10 0:13	0010087	
Surrogate: 2-Fluorobiphenyl	72 %	10-102		EPA 8270D			1/06/10 9:10	1/7/10 0:13	0010087	
Surrogate: 2,4,6-Tribromophenol	78 %	10-189		EPA 8270D			1/06/10 9:10	1/7/10 0:13	0010087	
Surrogate: p-Terphenyl-d14	85 %	10-114		EPA 8270D			1/06/10 9:10	1/7/10 0:13	0010087	



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Attention: Ms. Ashley Nifong

January 08, 2010

Report No.: ATA0024

Client ID: TT-2594-B-9/9260576020

Date/Time Sampled: 12/30/2009 12:50:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-20

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
% Solids	83.9	0.04 % by Weight		SOP Moisture		1	1/07/10 10:00	1/07/10 10:00	0010123	GOV
Semivolatile Organic Compounds by EPA 8270										
Anthracene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Acenaphthene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Acenaphthylene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Aniline	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Benzo(a)anthracene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Benzo(a)pyrene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Benzo(b)fluoranthene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Benzo(ghi)perylene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Benzo(k)fluoranthene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Benzoic acid	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Benzyl alcohol	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Benzyl butyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
4-Bromophenyl phenyl ether	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Di-n-butyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
4-Chloroaniline	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Bis(2-chloroethoxy)methane	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Bis(2-chloroethyl)ether	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Bis(2-chloroisopropyl)ether	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
4-Chloro-3-methylphenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
2-Chloronaphthalene	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
2-Chlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
4-Chlorophenyl phenyl ether	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Chrysene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Dibenzo(a,h)anthracene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Dibenzofuran	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
1,2-Dichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
1,3-Dichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
1,4-Dichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
3,3'-Dichlorobenzidine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
2,4-Dichlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Diethyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
2,4-Dimethylphenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC



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

January 08, 2010

Report No.: ATA0024

Client ID: TT-2594-B-9/9260576020

Date/Time Sampled: 12/30/2009 12:50:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-20

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
Dimethyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
2,4-Dinitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
2,4-Dinitrotoluene	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
2,6-Dinitrotoluene	ND	790	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
1,2-Diphenylhydrazine as azobenzene *	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Bis(2-ethylhexyl)phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Fluoranthene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Fluorene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Hexachlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Hexachlorobutadiene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Hexachlorocyclopentadiene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Hexachloroethane	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Indeno(1,2,3-cd)pyrene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Isophorone	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
2-Methylnaphthalene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
3+4-Methylphenol (m+p-cresol)	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
2-Methylphenol (o-cresol)	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Naphthalene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
2-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
3-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
4-Nitroaniline	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Nitrobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
2-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
4-Nitrophenol	ND	2000	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
N-Nitrosodimethylamine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
N-Nitrosodiphenylamine/Diphenylamine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
N-Nitrosodi-n-propylamine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Di-n-octyl phthalate	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Pentachlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Phenanthrene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Phenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Pyrene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Pyridine	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
1,2,4-Trichlorobenzene	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
2,4,5-Trichlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC



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Attention: Ms. Ashley Nifong

January 08, 2010

Report No.: ATA0024

Client ID: TT-2594-B-9/9260576020

Date/Time Sampled: 12/30/2009 12:50:00PM

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ATA0024-20

Date/Time Received: 1/5/2010 11:05:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Semivolatile Organic Compounds by EPA 8270										
2,4,6-Trichlorophenol	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
1-Methylnaphthalene *	ND	390	ug/kg dry	EPA 8270D		1	1/06/10 9:10	1/07/10 0:33	0010087	RAC
Surrogate: 2-Fluorophenol	69 %	10-91		EPA 8270D			1/06/10 9:10	1/7/10 0:33	0010087	
Surrogate: Phenol-d5	76 %	10-98		EPA 8270D			1/06/10 9:10	1/7/10 0:33	0010087	
Surrogate: Nitrobenzene-d5	68 %	10-100		EPA 8270D			1/06/10 9:10	1/7/10 0:33	0010087	
Surrogate: 2-Fluorobiphenyl	75 %	10-102		EPA 8270D			1/06/10 9:10	1/7/10 0:33	0010087	
Surrogate: 2,4,6-Tribromophenol	83 %	10-189		EPA 8270D			1/06/10 9:10	1/7/10 0:33	0010087	
Surrogate: p-Terphenyl-d14	80 %	10-114		EPA 8270D			1/06/10 9:10	1/7/10 0:33	0010087	



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January 08, 2010

Report No.: ATA0024

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 0010123 - % Solids										
Duplicate (0010123-DUP1)		Source: ATA0024-19			Prepared & Analyzed: 01/07/10					
% Solids	82.5	0.04	% by Weight		82.1			0.5	12	
Duplicate (0010123-DUP2)		Source: ATA0024-20			Prepared & Analyzed: 01/07/10					
% Solids	83.7	0.04	% by Weight		83.9			0.3	12	



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January 08, 2010

Report No.: ATA0024

Semivolatile Organic Compounds by EPA 8270 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 0010087 - EPA 3550B										
Blank (0010087-BLK1)				Prepared & Analyzed: 01/06/10						
Anthracene	ND	330	ug/kg wet							
Acenaphthene	ND	330	ug/kg wet							
Acenaphthylene	ND	330	ug/kg wet							
Aniline	ND	660	ug/kg wet							
Benzo(a)anthracene	ND	330	ug/kg wet							
Benzo(a)pyrene	ND	330	ug/kg wet							
Benzo(b)fluoranthene	ND	330	ug/kg wet							
Benzo(ghi)perylene	ND	330	ug/kg wet							
Benzo(k)fluoranthene	ND	330	ug/kg wet							
Benzoic acid	ND	1700	ug/kg wet							
Benzyl alcohol	ND	660	ug/kg wet							
Benzyl butyl phthalate	ND	330	ug/kg wet							
4-Bromophenyl phenyl ether	ND	330	ug/kg wet							
Di-n-butyl phthalate	ND	330	ug/kg wet							
4-Chloroaniline	ND	660	ug/kg wet							
Bis(2-chloroethoxy)methane	ND	330	ug/kg wet							
Bis(2-chloroethyl)ether	ND	330	ug/kg wet							
Bis(2-chloroisopropyl)ether	ND	330	ug/kg wet							
4-Chloro-3-methylphenol	ND	330	ug/kg wet							
2-Chloronaphthalene	ND	660	ug/kg wet							
2-Chlorophenol	ND	330	ug/kg wet							
4-Chlorophenyl phenyl ether	ND	330	ug/kg wet							
Chrysene	ND	330	ug/kg wet							
Dibenzo(a,h)anthracene	ND	330	ug/kg wet							
Dibenzofuran	ND	330	ug/kg wet							
1,2-Dichlorobenzene	ND	330	ug/kg wet							
1,3-Dichlorobenzene	ND	330	ug/kg wet							
1,4-Dichlorobenzene	ND	330	ug/kg wet							
3,3'-Dichlorobenzidine	ND	330	ug/kg wet							
2,4-Dichlorophenol	ND	330	ug/kg wet							
Diethyl phthalate	ND	330	ug/kg wet							
2,4-Dimethylphenol	ND	330	ug/kg wet							
Dimethyl phthalate	ND	330	ug/kg wet							
4,6-Dinitro-2-methylphenol	ND	1700	ug/kg wet							
2,4-Dinitrophenol	ND	1700	ug/kg wet							
2,4-Dinitrotoluene	ND	660	ug/kg wet							
2,6-Dinitrotoluene	ND	660	ug/kg wet							
1,2-Diphenylhydrazine as azobenzene	ND	330	ug/kg wet							
Bis(2-ethylhexyl)phthalate	711.5	330	ug/kg wet							CN
Fluoranthene	ND	330	ug/kg wet							
Fluorene	ND	330	ug/kg wet							



ANALYTICAL SERVICES, INC.

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

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

January 08, 2010

Report No.: ATA0024

Semivolatile Organic Compounds by EPA 8270 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 0010087 - EPA 3550B										
Blank (0010087-BLK1)				Prepared & Analyzed: 01/06/10						
Hexachlorobenzene	ND	330	ug/kg wet							
Hexachlorobutadiene	ND	330	ug/kg wet							
Hexachlorocyclopentadiene	ND	330	ug/kg wet							
Hexachloroethane	ND	330	ug/kg wet							
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg wet							
Isophorone	ND	330	ug/kg wet							
2-Methylnaphthalene	ND	330	ug/kg wet							
3+4-Methylphenol (m+p-cresol)	ND	330	ug/kg wet							
2-Methylphenol (o-cresol)	ND	330	ug/kg wet							
Naphthalene	ND	330	ug/kg wet							
2-Nitroaniline	ND	1700	ug/kg wet							
3-Nitroaniline	ND	1700	ug/kg wet							
4-Nitroaniline	ND	1700	ug/kg wet							
Nitrobenzene	ND	330	ug/kg wet							
2-Nitrophenol	ND	1700	ug/kg wet							
4-Nitrophenol	ND	1700	ug/kg wet							
N-Nitrosodimethylamine	ND	330	ug/kg wet							
N-Nitrosodiphenylamine/Diphenylamine	ND	330	ug/kg wet							
N-Nitrosodi-n-propylamine	ND	330	ug/kg wet							
Di-n-octyl phthalate	ND	330	ug/kg wet							
Pentachlorophenol	ND	330	ug/kg wet							
Phenanthrene	ND	330	ug/kg wet							
Phenol	ND	330	ug/kg wet							
Pyrene	ND	330	ug/kg wet							
Pyridine	ND	330	ug/kg wet							
1,2,4-Trichlorobenzene	ND	330	ug/kg wet							
2,4,5-Trichlorophenol	ND	330	ug/kg wet							
2,4,6-Trichlorophenol	ND	330	ug/kg wet							
1-Methylnaphthalene	ND	330	ug/kg wet							
Surrogate: 2-Fluorophenol	2133		ug/kg wet	3320.1		64	10-91			
Surrogate: Phenol-d5	2300		ug/kg wet	3320.1		69	10-98			
Surrogate: Nitrobenzene-d5	1042		ug/kg wet	1660.0		63	10-100			
Surrogate: 2-Fluorobiphenyl	1214		ug/kg wet	1660.0		73	10-102			
Surrogate: 2,4,6-Tribromophenol	2558		ug/kg wet	3320.1		77	10-189			
Surrogate: p-Terphenyl-d14	1398		ug/kg wet	1660.0		84	10-114			



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Attention: Ms. Ashley Nifong

January 08, 2010

Report No.: ATA0024

Semivolatile Organic Compounds by EPA 8270 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 0010087 - EPA 3550B										
LCS (0010087-BS1)				Prepared & Analyzed: 01/06/10						
Acenaphthene	1400	330	ug/kg wet	1661.1		83	29-105			
4-Chloro-3-methylphenol	2600	330	ug/kg wet	3322.3		78	35-97			
2-Chlorophenol	2300	330	ug/kg wet	3322.3		70	29-91			
1,4-Dichlorobenzene	1100	330	ug/kg wet	1661.1		67	24-89			
2,4-Dinitrotoluene	1700	660	ug/kg wet	1661.1		99	34-103			
4-Nitrophenol	3000	1700	ug/kg wet	3322.3		91	19-118			
N-Nitrosodi-n-propylamine	1300	330	ug/kg wet	1661.1		76	23-97			
Pentachlorophenol	3200	330	ug/kg wet	3322.3		97	29-119			
Phenol	2400	330	ug/kg wet	3322.3		74	29-90			
Pyrene	1800	330	ug/kg wet	1661.1		107	34-134			
1,2,4-Trichlorobenzene	1100	330	ug/kg wet	1661.1		68	22-97			
Surrogate: 2-Fluorophenol	1849		ug/kg wet	3322.3		56	10-91			
Surrogate: Phenol-d5	2021		ug/kg wet	3322.3		61	10-98			
Surrogate: Nitrobenzene-d5	952.2		ug/kg wet	1661.1		57	10-100			
Surrogate: 2-Fluorobiphenyl	1095		ug/kg wet	1661.1		66	10-102			
Surrogate: 2,4,6-Tribromophenol	2461		ug/kg wet	3322.3		74	10-189			
Surrogate: p-Terphenyl-d14	1396		ug/kg wet	1661.1		84	10-114			
Matrix Spike (0010087-MS1)				Source: ATA0024-02		Prepared & Analyzed: 01/06/10				
Acenaphthene	1800	400	ug/kg dry	1999.4	ND	88	31-105			
4-Chloro-3-methylphenol	3300	400	ug/kg dry	3998.8	ND	84	32-100			
2-Chlorophenol	3200	400	ug/kg dry	3998.8	ND	79	28-91			
1,4-Dichlorobenzene	1500	400	ug/kg dry	1999.4	ND	75	24-85			
2,4-Dinitrotoluene	1800	790	ug/kg dry	1999.4	ND	92	23-111			
4-Nitrophenol	3400	2000	ug/kg dry	3998.8	ND	84	20-104			
N-Nitrosodi-n-propylamine	1700	400	ug/kg dry	1999.4	ND	84	26-92			
Pentachlorophenol	3700	400	ug/kg dry	3998.8	ND	92	24-118			
Phenol	3300	400	ug/kg dry	3998.8	ND	82	29-89			
Pyrene	1800	400	ug/kg dry	1999.4	ND	90	43-120			
1,2,4-Trichlorobenzene	1600	400	ug/kg dry	1999.4	ND	78	24-93			
Surrogate: 2-Fluorophenol	2362		ug/kg dry	3998.8		59	10-91			
Surrogate: Phenol-d5	2647		ug/kg dry	3998.8		66	10-98			
Surrogate: Nitrobenzene-d5	1206		ug/kg dry	1999.4		60	10-100			
Surrogate: 2-Fluorobiphenyl	1360		ug/kg dry	1999.4		68	10-102			
Surrogate: 2,4,6-Tribromophenol	2762		ug/kg dry	3998.8		69	10-189			
Surrogate: p-Terphenyl-d14	1359		ug/kg dry	1999.4		68	10-114			



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January 08, 2010

Report No.: ATA0024

Semivolatile Organic Compounds by EPA 8270 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
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Batch 0010087 - EPA 3550B

Matrix Spike Dup (0010087-MSD1)		Source: ATA0024-02			Prepared & Analyzed: 01/06/10					
Acenaphthene	1600	400	ug/kg dry	2008.7	ND	78	31-105	12	45	
4-Chloro-3-methylphenol	3000	400	ug/kg dry	4017.5	ND	75	32-100	10	59	
2-Chlorophenol	2800	400	ug/kg dry	4017.5	ND	69	28-91	13	50	
1,4-Dichlorobenzene	1300	400	ug/kg dry	2008.7	ND	64	24-85	15	46	
2,4-Dinitrotoluene	1700	800	ug/kg dry	2008.7	ND	85	23-111	7	53	
4-Nitrophenol	3400	2000	ug/kg dry	4017.5	ND	84	20-104	0.4	56	
N-Nitrosodi-n-propylamine	1500	400	ug/kg dry	2008.7	ND	77	26-92	9	69	
Pentachlorophenol	3600	400	ug/kg dry	4017.5	ND	89	24-118	3	47	
Phenol	2900	400	ug/kg dry	4017.5	ND	73	29-89	11	49	
Pyrene	1700	400	ug/kg dry	2008.7	ND	82	43-120	8	45	
1,2,4-Trichlorobenzene	1300	400	ug/kg dry	2008.7	ND	63	24-93	21	51	
Surrogate: 2-Fluorophenol	2188		ug/kg dry	4017.5		54	10-91			
Surrogate: Phenol-d5	2404		ug/kg dry	4017.5		60	10-98			
Surrogate: Nitrobenzene-d5	1103		ug/kg dry	2008.7		55	10-100			
Surrogate: 2-Fluorobiphenyl	1253		ug/kg dry	2008.7		62	10-102			
Surrogate: 2,4,6-Tribromophenol	2588		ug/kg dry	4017.5		64	10-189			
Surrogate: p-Terphenyl-d14	1292		ug/kg dry	2008.7		64	10-114			

Batch 0010129 - EPA 3550B

Blank (0010129-BLK1)		Prepared & Analyzed: 01/07/10								
Anthracene	ND	330	ug/kg wet							
Acenaphthene	ND	330	ug/kg wet							
Acenaphthylene	ND	330	ug/kg wet							
Aniline	ND	660	ug/kg wet							
Benzo(a)anthracene	ND	330	ug/kg wet							
Benzo(a)pyrene	ND	330	ug/kg wet							
Benzo(b)fluoranthene	ND	330	ug/kg wet							
Benzo(ghi)perylene	ND	330	ug/kg wet							
Benzo(k)fluoranthene	ND	330	ug/kg wet							
Benzoic acid	ND	1700	ug/kg wet							
Benzyl alcohol	ND	660	ug/kg wet							
Benzyl butyl phthalate	ND	330	ug/kg wet							
4-Bromophenyl phenyl ether	ND	330	ug/kg wet							
Di-n-butyl phthalate	ND	330	ug/kg wet							
4-Chloroaniline	ND	660	ug/kg wet							
Bis(2-chloroethoxy)methane	ND	330	ug/kg wet							
Bis(2-chloroethyl)ether	ND	330	ug/kg wet							
Bis(2-chloroisopropyl)ether	ND	330	ug/kg wet							
4-Chloro-3-methylphenol	ND	330	ug/kg wet							
2-Chloronaphthalene	ND	660	ug/kg wet							
2-Chlorophenol	ND	330	ug/kg wet							



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January 08, 2010

Report No.: ATA0024

Semivolatile Organic Compounds by EPA 8270 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 0010129 - EPA 3550B										
Blank (0010129-BLK1)				Prepared & Analyzed: 01/07/10						
4-Chlorophenyl phenyl ether	ND	330	ug/kg wet							
Chrysene	ND	330	ug/kg wet							
Dibenzo(a,h)anthracene	ND	330	ug/kg wet							
Dibenzofuran	ND	330	ug/kg wet							
1,2-Dichlorobenzene	ND	330	ug/kg wet							
1,3-Dichlorobenzene	ND	330	ug/kg wet							
1,4-Dichlorobenzene	ND	330	ug/kg wet							
3,3'-Dichlorobenzidine	ND	330	ug/kg wet							
2,4-Dichlorophenol	ND	330	ug/kg wet							
Diethyl phthalate	ND	330	ug/kg wet							
2,4-Dimethylphenol	ND	330	ug/kg wet							
Dimethyl phthalate	ND	330	ug/kg wet							
4,6-Dinitro-2-methylphenol	ND	1700	ug/kg wet							
2,4-Dinitrophenol	ND	1700	ug/kg wet							
2,4-Dinitrotoluene	ND	660	ug/kg wet							
2,6-Dinitrotoluene	ND	660	ug/kg wet							
1,2-Diphenylhydrazine as azobenzene	ND	330	ug/kg wet							
Bis(2-ethylhexyl)phthalate	ND	330	ug/kg wet							
Fluoranthene	ND	330	ug/kg wet							
Fluorene	ND	330	ug/kg wet							
Hexachlorobenzene	ND	330	ug/kg wet							
Hexachlorobutadiene	ND	330	ug/kg wet							
Hexachlorocyclopentadiene	ND	330	ug/kg wet							
Hexachloroethane	ND	330	ug/kg wet							
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg wet							
Isophorone	ND	330	ug/kg wet							
2-Methylnaphthalene	ND	330	ug/kg wet							
3+4-Methylphenol (m+p-cresol)	ND	330	ug/kg wet							
2-Methylphenol (o-cresol)	ND	330	ug/kg wet							
Naphthalene	ND	330	ug/kg wet							
2-Nitroaniline	ND	1700	ug/kg wet							
3-Nitroaniline	ND	1700	ug/kg wet							
4-Nitroaniline	ND	1700	ug/kg wet							
Nitrobenzene	ND	330	ug/kg wet							
2-Nitrophenol	ND	1700	ug/kg wet							
4-Nitrophenol	ND	1700	ug/kg wet							
N-Nitrosodimethylamine	ND	330	ug/kg wet							
N-Nitrosodiphenylamine/Diphenylamine	ND	330	ug/kg wet							
N-Nitrosodi-n-propylamine	ND	330	ug/kg wet							
Di-n-octyl phthalate	ND	330	ug/kg wet							
Pentachlorophenol	ND	330	ug/kg wet							



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January 08, 2010

Report No.: ATA0024

Semivolatile Organic Compounds by EPA 8270 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 0010129 - EPA 3550B										
Blank (0010129-BLK1)				Prepared & Analyzed: 01/07/10						
Phenanthrene	ND	330	ug/kg wet							
Phenol	ND	330	ug/kg wet							
Pyrene	ND	330	ug/kg wet							
Pyridine	ND	330	ug/kg wet							
1,2,4-Trichlorobenzene	ND	330	ug/kg wet							
2,4,5-Trichlorophenol	ND	330	ug/kg wet							
2,4,6-Trichlorophenol	ND	330	ug/kg wet							
1-Methylnaphthalene	ND	330	ug/kg wet							
Surrogate: 2-Fluorophenol	1650		ug/kg wet	3316.8		50	10-91			
Surrogate: Phenol-d5	1816		ug/kg wet	3316.8		55	10-98			
Surrogate: Nitrobenzene-d5	788.7		ug/kg wet	1658.4		48	10-100			
Surrogate: 2-Fluorobiphenyl	938.6		ug/kg wet	1658.4		57	10-102			
Surrogate: 2,4,6-Tribromophenol	1965		ug/kg wet	3316.8		59	10-189			
Surrogate: p-Terphenyl-d14	1078		ug/kg wet	1658.4		65	10-114			
LCS (0010129-BS1)				Prepared & Analyzed: 01/07/10						
Acenaphthene	1100	330	ug/kg wet	1665.6		68	29-105			
4-Chloro-3-methylphenol	2200	330	ug/kg wet	3331.1		65	35-97			
2-Chlorophenol	1800	330	ug/kg wet	3331.1		53	29-91			
1,4-Dichlorobenzene	850	330	ug/kg wet	1665.6		51	24-89			
2,4-Dinitrotoluene	1300	660	ug/kg wet	1665.6		79	34-103			
4-Nitrophenol	2600	1700	ug/kg wet	3331.1		77	19-118			
N-Nitrosodi-n-propylamine	1000	330	ug/kg wet	1665.6		62	23-97			
Pentachlorophenol	2800	330	ug/kg wet	3331.1		84	29-119			
Phenol	1900	330	ug/kg wet	3331.1		57	29-90			
Pyrene	1400	330	ug/kg wet	1665.6		86	34-134			
1,2,4-Trichlorobenzene	910	330	ug/kg wet	1665.6		55	22-97			
Surrogate: 2-Fluorophenol	1636		ug/kg wet	3331.1		49	10-91			
Surrogate: Phenol-d5	1845		ug/kg wet	3331.1		55	10-98			
Surrogate: Nitrobenzene-d5	862.4		ug/kg wet	1665.6		52	10-100			
Surrogate: 2-Fluorobiphenyl	997.0		ug/kg wet	1665.6		60	10-102			
Surrogate: 2,4,6-Tribromophenol	2441		ug/kg wet	3331.1		73	10-189			
Surrogate: p-Terphenyl-d14	1322		ug/kg wet	1665.6		79	10-114			



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January 08, 2010

Laboratory Certifications

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



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January 08, 2010

Legend

Definition of Laboratory Terms

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

Sample Information

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

Phthalic acid and phthalic anhydride are reported as dimethyl phthalate

Maleic acid and maleic anhydride are reported as dimethyl malate

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

Definition of Qualifiers

- CN** See Case Narrative for further details.

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



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

January 08, 2010

Chain of Custody

Pace Analytical

Workorder: 9280576

Workorder Name: TT-2 Tank Yank

Results Requested 1/11/2010

Report Invoice To

Subcontract To

Requested Analysis

Ashley Nifong
Pace Analytical Charlotte
9800 Kinney Ave. Suite 100
Huntersville, NC 28078
Phone (704) 675-9922
Email ashley.nifong@paceanalytical.com

ASI

PO: CASH081108

Preserved Containers

8270

47114024
51

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved	LAB USE ONLY
1	TT-2005-1	12/29/2009 11:49	9280576001	Solid	1	1
2	TT-2005-2	12/29/2009 12:50	9280576002	Solid	1	2
3	TT-2005-3	12/29/2009 12:05	9280576003	Solid	1	3
4	TT-2005-4	12/29/2009 11:55	9280576004	Solid	1	4
5	TT-2005-B-118	12/30/2009 07:20	9280576005	Solid	1	5
6	TT-2006-1	12/30/2009 11:00	9280576006	Solid	1	6
7	TT-2006-2	12/30/2009 11:25	9280576007	Solid	1	7
8	TT-2006-3	12/30/2009 11:10	9280576008	Solid	1	8
9	TT-2006-4	12/30/2009 11:20	9280576009	Solid	1	9
10	TT-2006-B-7	12/30/2009 11:20	9280576010	Solid	1	10
11	TT-2006-1	12/30/2009 11:10	9280576011	Solid	1	11
12	TT-2006-2	12/30/2009 11:25	9280576012	Solid	1	12
13	TT-2006-3	12/30/2009 11:45	9280576013	Solid	1	13
14	TT-2006-4	12/30/2009 11:05	9280576014	Solid	1	14
15	TT-2006-B-3	12/30/2009 11:25	9280576015	Solid	1	15
16	TT-2006-1	12/30/2009 11:45	9280576016	Solid	1	16
17	TT-2006-2	12/30/2009 12:30	9280576017	Solid	1	17
18	TT-2006-3	12/30/2009 11:05	9280576018	Solid	1	18
19	TT-2006-4	12/30/2009 11:05	9280576019	Solid	1	19

Meeting January 29, 2010 2:44 PM

1/11/10 11:05 AM ENE Present

1/11/10



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Attention: Ms. Ashley Nifong

January 08, 2010

Chain of Custody

Workorder: 926576 Workorder Name: TT-2 Tank Yank Results Requested: 1/11/2010

Report Invoice To: Submit to: Requested Analysis:

Ashey Nifong
Pace Analytical Charlotte
9800 Kinney Ave, Suite 100
Huntersville, NC 28078
Phone 7741875-2092
Email: ashey.nifong@paceabs.com

P.O. 015081162

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Unit/Container	Preserved Containers	Comments
20	TT-2S4-B-9	12/30/2009 12:50	926576200	Soil	1		8270
21							
22							
23							
24							

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1	Substantive	1/10 13:07	Excel	1/10 17:02	
2			Charles Hume	1/10 11:05	
3					
4					
5					

72°C
Mitt. Temperature Used

LAB USE ONLY

51

ATTN: 004

Page 1 of 2

Monday, January 24, 2010 2:42:55 PM

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LOG-IN CHECKLIST

Printed: 1/8/2010 3:12:17PM

Attn: Ms. Ashley Nifong

Client: Pace Analytical Services Inc. - Huntersville

Project: TT-II Tank Yank

Date Received: 01/05/10 11:05

Work Order: ATA0024

Logged In By: Charles Hawks

OBSERVATIONS

#Samples: 20

#Containers: 20

Minimum Temp(C): 2.0

Maximum Temp(C): 2.0

Custody Seal(s) Used: No

CHECKLIST ITEMS

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

Comments:

Environmental Conservation Laboratories, Inc.

102-A Woodwinds Industrial Court

Cary NC, 27511

Phone: 919.467.3090 FAX: 919.467.3515



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Friday, January 8, 2010

Pace Analytical (PA007)

Attn: Ashley Nifong

9800 Kincey Ave. Suite 100

Huntersville, NC 28078

RE: Laboratory Results for
Project Number: 9260576, Project Name/Desc: TT-2 Tank Yank
ENCO Workorder: C000099

Dear Ashley Nifong,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, January 6, 2010.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Stephanie Franz", with a stylized flourish at the end.

Stephanie Franz

Project Manager

Enclosure(s)



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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID:	TT-2953-1	Lab ID:	C000099-01	Sampled:	12/29/09 11:45	Received:	01/06/10 09:45
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Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
MAEPH	01/12/10	02/17/10	01/08/10	09:05	1/8/2010	14:31
MAEPH	01/12/10	02/17/10	01/08/10	09:06	1/8/2010	15:00

Client ID:	TT-2953-2	Lab ID:	C000099-02	Sampled:	12/29/09 12:50	Received:	01/06/10 09:45
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Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
MAEPH	01/12/10	02/15/10	01/06/10	11:02	1/7/2010	10:30

Client ID:	TT-2953-3	Lab ID:	C000099-03	Sampled:	12/29/09 12:05	Received:	01/06/10 09:45
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Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
MAEPH	01/12/10	02/15/10	01/06/10	11:02	1/7/2010	10:56

Client ID:	TT-2953-4	Lab ID:	C000099-04	Sampled:	12/29/09 11:55	Received:	01/06/10 09:45
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Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
MAEPH	01/12/10	02/15/10	01/06/10	11:02	1/7/2010	11:22

Client ID:	TT-2953-B-11.8	Lab ID:	C000099-05	Sampled:	12/30/09 07:20	Received:	01/06/10 09:45
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Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
MAEPH	01/13/10	02/17/10	01/08/10	09:05	1/8/2010	15:28
MAEPH	01/13/10	02/17/10	01/08/10	09:06	1/8/2010	15:57

Client ID:	TT-2995-1	Lab ID:	C000099-06	Sampled:	12/30/09 17:00	Received:	01/06/10 09:45
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Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
MAEPH	01/13/10	02/15/10	01/06/10	11:02	1/7/2010	12:59

Client ID:	TT-2995-2	Lab ID:	C000099-07	Sampled:	12/30/09 17:25	Received:	01/06/10 09:45
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Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
MAEPH	01/13/10	02/15/10	01/06/10	11:02	1/7/2010	13:26

Client ID:	TT-2995-3	Lab ID:	C000099-08	Sampled:	12/30/09 17:10	Received:	01/06/10 09:45
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Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
MAEPH	01/13/10	02/15/10	01/06/10	11:02	1/7/2010	13:53



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Client ID: TT-2995-4		Lab ID: C000099-09		Sampled: 12/30/09 17:20		Received: 01/06/10 09:45	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
MAEPH	01/13/10	02/15/10	01/06/10	11:02	1/7/2010 14:20		

Client ID: TT-2995-B-7		Lab ID: C000099-10		Sampled: 12/30/09 17:30		Received: 01/06/10 09:45	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
MAEPH	01/13/10	02/15/10	01/06/10	11:02	1/7/2010 14:47		

Client ID: TT-2590-1		Lab ID: C000099-11		Sampled: 12/30/09 13:10		Received: 01/06/10 09:45	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
MAEPH	01/13/10	02/15/10	01/06/10	11:02	1/7/2010 15:27		

Client ID: TT-2590-2		Lab ID: C000099-12		Sampled: 12/30/09 13:25		Received: 01/06/10 09:45	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
MAEPH	01/13/10	02/15/10	01/06/10	11:02	1/7/2010 15:54		

Client ID: TT-2590-3		Lab ID: C000099-13		Sampled: 12/30/09 13:45		Received: 01/06/10 09:45	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
MAEPH	01/13/10	02/15/10	01/06/10	11:02	1/7/2010 16:22		

Client ID: TT-2590-4		Lab ID: C000099-14		Sampled: 12/30/09 14:05		Received: 01/06/10 09:45	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
MAEPH	01/13/10	02/15/10	01/06/10	11:02	1/7/2010 16:50		

Client ID: TT-2590-B-8		Lab ID: C000099-15		Sampled: 12/30/09 14:25		Received: 01/06/10 09:45	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
MAEPH	01/13/10	02/15/10	01/06/10	11:02	1/7/2010 17:17		

Client ID: TT-2594-1		Lab ID: C000099-16		Sampled: 12/30/09 09:45		Received: 01/06/10 09:45	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
MAEPH	01/13/10	02/15/10	01/06/10	11:02	1/7/2010 17:44		

Client ID: TT-2594-2		Lab ID: C000099-17		Sampled: 12/30/09 10:30		Received: 01/06/10 09:45	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
MAEPH	01/13/10	02/15/10	01/06/10	11:02	1/7/2010 18:12		



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Client ID: TT-2594-3		Lab ID: C000099-18		Sampled: 12/30/09 11:05		Received: 01/06/10 09:45	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
MAEPH	01/13/10	02/15/10	01/06/10	11:02	1/7/2010 18:40		

Client ID: TT-2594-4		Lab ID: C000099-19		Sampled: 12/30/09 12:03		Received: 01/06/10 09:45	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
MAEPH	01/13/10	02/15/10	01/06/10	11:02	1/7/2010 19:07		

Client ID: TT-2594-B-9		Lab ID: C000099-20		Sampled: 12/30/09 12:50		Received: 01/06/10 09:45	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
MAEPH	01/13/10	02/15/10	01/06/10	11:02	1/7/2010 19:35		

SAMPLE DETECTION SUMMARY

Client ID:	TT-2953-1	Lab ID:	C000099-01
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Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
C11-C22 Aromatics	3.7	J	0.42	21	mg/kg dry	MAEPH	
C19-C36 Aliphatics	17	J	0.30	21	mg/kg dry	MAEPH	
C9-C18 Aliphatics	17	J	0.55	21	mg/kg dry	MAEPH	

Client ID:	TT-2953-B-11.8	Lab ID:	C000099-05
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Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
C11-C22 Aromatics	400		0.41	20	mg/kg dry	MAEPH	
C19-C36 Aliphatics	320		0.29	20	mg/kg dry	MAEPH	
C9-C18 Aliphatics	1000		0.55	20	mg/kg dry	MAEPH	



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ANALYTICAL RESULTS

Description: TT-2953-1
Matrix: Soil
Project: TT-2 Tank Yank

Lab Sample ID: C000099-01
Sampled: 12/29/09 11:45
Sampled By: Client

Received: 01/06/10 09:45
Work Order: C000099
% Solids: 81.1

Extractable Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
C11-C22 Aromatics [ECL-0020] ^	3.7	J	mg/kg dry	1	0.42	21	0A08007	MAEPH	01/08/10 15:00	JHH	
C19-C36 Aliphatics [ECL-0021] ^	17	J	mg/kg dry	1	0.30	21	0A08006	MAEPH	01/08/10 14:31	JHH	
C9-C18 Aliphatics [ECL-0026] ^	17	J	mg/kg dry	1	0.55	21	0A08006	MAEPH	01/08/10 14:31	JHH	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2-Bromonaphthalene	2.0	1	4.00	49 %	40-140	0A08007	MAEPH	01/08/10 15:00	JHH	
2-Fluorobiphenyl	2.4	1	4.00	59 %	40-140	0A08007	MAEPH	01/08/10 15:00	JHH	
Chloro-octadecane	5.6	1	4.93	113 %	40-140	0A08006	MAEPH	01/08/10 14:31	JHH	
o-Terphenyl	1.2	1	1.64	75 %	40-140	0A08007	MAEPH	01/08/10 15:00	JHH	



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Description: TT-2953-2

Matrix: Soil

Project: TT-2 Tank Yank

Lab Sample ID: C000099-02

Sampled: 12/29/09 12:50

Sampled By: Client

Received: 01/06/10 09:45

Work Order: C000099

% Solids: 86.3

Extractable Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

<u>Analyte</u> [<u>CAS Number</u>]	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>MRL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
C11-C22 Aromatics [ECL-0020] ^	0.4	U	mg/kg dry	1	0.4	19	0A06013	MAEPH	01/07/10 10:30	JHH	
C19-C36 Aliphatics [ECL-0021] ^	0.3	U	mg/kg dry	1	0.3	19	0A06013	MAEPH	01/07/10 10:30	JHH	
C9-C18 Aliphatics [ECL-0026] ^	0.5	U	mg/kg dry	1	0.5	19	0A06013	MAEPH	01/07/10 10:30	JHH	
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>	
Chloro-octadecane	4.0	1	4.63	87 %	40-140	0A06013	MAEPH	01/07/10 10:30	JHH		
o-Terphenyl	1.2	1	1.54	76 %	40-140	0A06013	MAEPH	01/07/10 10:30	JHH		

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.



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Description: TT-2953-3

Matrix: Soil

Project: TT-2 Tank Yank

Lab Sample ID: C000099-03

Sampled: 12/29/09 12:05

Sampled By: Client

Received: 01/06/10 09:45

Work Order: C000099

% Solids: 79.8

Extractable Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

<u>Analyte</u> [<u>CAS Number</u>]	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>MRL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
C11-C22 Aromatics [ECL-0020] ^	0.4	U	mg/kg dry	1	0.4	21	0A06013	MAEPH	01/07/10 10:56	JHH	
C19-C36 Aliphatics [ECL-0021] ^	0.3	U	mg/kg dry	1	0.3	21	0A06013	MAEPH	01/07/10 10:56	JHH	
C9-C18 Aliphatics [ECL-0026] ^	0.6	U	mg/kg dry	1	0.6	21	0A06013	MAEPH	01/07/10 10:56	JHH	
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>		<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Chloro-octadecane	4.4	1	5.01	87 %	40-140		0A06013	MAEPH	01/07/10 10:56	JHH	
o-Terphenyl	1.3	1	1.67	77 %	40-140		0A06013	MAEPH	01/07/10 10:56	JHH	

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Description: TT-2953-4

Matrix: Soil

Project: TT-2 Tank Yank

Lab Sample ID: C000099-04

Sampled: 12/29/09 11:55

Sampled By: Client

Received: 01/06/10 09:45

Work Order: C000099

% Solids: 77.4

Extractable Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

<u>Analyte</u> [<u>CAS Number</u>]	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>MRL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
C11-C22 Aromatics [ECL-0020] ^	0.4	U	mg/kg dry	1	0.4	22	0A06013	MAEPH	01/07/10 11:22	JHH	
C19-C36 Aliphatics [ECL-0021] ^	0.3	U	mg/kg dry	1	0.3	22	0A06013	MAEPH	01/07/10 11:22	JHH	
C9-C18 Aliphatics [ECL-0026] ^	0.6	U	mg/kg dry	1	0.6	22	0A06013	MAEPH	01/07/10 11:22	JHH	
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>	
Chloro-octadecane	4.6	1	5.17	89 %	40-140	0A06013	MAEPH	01/07/10 11:22	JHH		
o-Terphenyl	1.4	1	1.72	79 %	40-140	0A06013	MAEPH	01/07/10 11:22	JHH		

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Description: TT-2953-B-11.8

Matrix: Soil

Project: TT-2 Tank Yank

Lab Sample ID: C000099-05

Sampled: 12/30/09 07:20

Sampled By: Client

Received: 01/06/10 09:45

Work Order: C000099

% Solids: 82.3

Extractable Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
C11-C22 Aromatics [ECL-0020] ^	400		mg/kg dry	1	0.41	20	0A08007	MAEPH	01/08/10 15:57	JHH	
C19-C36 Aliphatics [ECL-0021] ^	320		mg/kg dry	1	0.29	20	0A08006	MAEPH	01/08/10 15:28	JHH	
C9-C18 Aliphatics [ECL-0026] ^	1000		mg/kg dry	1	0.55	20	0A08006	MAEPH	01/08/10 15:28	JHH	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2-Bromonaphthalene	17	1	4.00	415 %	40-140	0A08007	MAEPH	01/08/10 15:57	JHH	QS-06
2-Fluorobiphenyl	11	1	4.00	280 %	40-140	0A08007	MAEPH	01/08/10 15:57	JHH	QS-06
Chloro-octadecane	14	1	4.86	280 %	40-140	0A08006	MAEPH	01/08/10 15:28	JHH	QS-06
o-Terphenyl	7.7	1	1.62	475 %	40-140	0A08007	MAEPH	01/08/10 15:57	JHH	QS-06



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Description: TT-2995-1

Matrix: Soil

Project: TT-2 Tank Yank

Lab Sample ID: C000099-06

Sampled: 12/30/09 17:00

Sampled By: Client

Received: 01/06/10 09:45

Work Order: C000099

% Solids: 84.2

Extractable Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

<u>Analyte</u> [<u>CAS Number</u>]	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>MRL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
C11-C22 Aromatics [ECL-0020] ^	0.4	U	mg/kg dry	1	0.4	20	0A06013	MAEPH	01/07/10 12:59	JHH	
C19-C36 Aliphatics [ECL-0021] ^	0.3	U	mg/kg dry	1	0.3	20	0A06013	MAEPH	01/07/10 12:59	JHH	
C9-C18 Aliphatics [ECL-0026] ^	0.5	U	mg/kg dry	1	0.5	20	0A06013	MAEPH	01/07/10 12:59	JHH	
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>	
Chloro-octadecane	4.2	1	4.75	88 %	40-140	0A06013	MAEPH	01/07/10 12:59	JHH		
o-Terphenyl	1.2	1	1.58	79 %	40-140	0A06013	MAEPH	01/07/10 12:59	JHH		

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Description: TT-2995-2

Matrix: Soil

Project: TT-2 Tank Yank

Lab Sample ID: C000099-07

Sampled: 12/30/09 17:25

Sampled By: Client

Received: 01/06/10 09:45

Work Order: C000099

% Solids: 78.2

Extractable Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

<u>Analyte</u> [<u>CAS Number</u>]	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>MRL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
C11-C22 Aromatics [ECL-0020] ^	0.4	U	mg/kg dry	1	0.4	21	0A06013	MAEPH	01/07/10 13:26	JHH	
C19-C36 Aliphatics [ECL-0021] ^	0.3	U	mg/kg dry	1	0.3	21	0A06013	MAEPH	01/07/10 13:26	JHH	
C9-C18 Aliphatics [ECL-0026] ^	0.6	U	mg/kg dry	1	0.6	21	0A06013	MAEPH	01/07/10 13:26	JHH	
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>		<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Chloro-octadecane	4.4	1	5.12	87 %	40-140		0A06013	MAEPH	01/07/10 13:26	JHH	
o-Terphenyl	1.3	1	1.71	74 %	40-140		0A06013	MAEPH	01/07/10 13:26	JHH	



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Description: TT-2995-3

Matrix: Soil

Project: TT-2 Tank Yank

Lab Sample ID: C000099-08

Sampled: 12/30/09 17:10

Sampled By: Client

Received: 01/06/10 09:45

Work Order: C000099

% Solids: 79.4

Extractable Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
C11-C22 Aromatics [ECL-0020] ^	0.4	U	mg/kg dry	1	0.4	21	0A06013	MAEPH	01/07/10 13:53	JHH	
C19-C36 Aliphatics [ECL-0021] ^	0.3	U	mg/kg dry	1	0.3	21	0A06013	MAEPH	01/07/10 13:53	JHH	
C9-C18 Aliphatics [ECL-0026] ^	0.6	U	mg/kg dry	1	0.6	21	0A06013	MAEPH	01/07/10 13:53	JHH	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
Chloro-octadecane	4.3	1	5.04	85 %	40-140	0A06013	MAEPH	01/07/10 13:53	JHH	
o-Terphenyl	1.2	1	1.68	73 %	40-140	0A06013	MAEPH	01/07/10 13:53	JHH	

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Description: TT-2995-4

Matrix: Soil

Project: TT-2 Tank Yank

Lab Sample ID: C000099-09

Sampled: 12/30/09 17:20

Sampled By: Client

Received: 01/06/10 09:45

Work Order: C000099

% Solids: 79.1

Extractable Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

<u>Analyte</u> [<u>CAS Number</u>]	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>MRL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
C11-C22 Aromatics [ECL-0020] ^	0.4	U	mg/kg dry	1	0.4	21	0A06013	MAEPH	01/07/10 14:20	JHH	
C19-C36 Aliphatics [ECL-0021] ^	0.3	U	mg/kg dry	1	0.3	21	0A06013	MAEPH	01/07/10 14:20	JHH	
C9-C18 Aliphatics [ECL-0026] ^	0.6	U	mg/kg dry	1	0.6	21	0A06013	MAEPH	01/07/10 14:20	JHH	
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>		<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Chloro-octadecane	4.2	1	5.06	83 %	40-140		0A06013	MAEPH	01/07/10 14:20	JHH	
o-Terphenyl	1.2	1	1.69	70 %	40-140		0A06013	MAEPH	01/07/10 14:20	JHH	



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Description: TT-2995-B-7
Matrix: Soil
Project: TT-2 Tank Yank

Lab Sample ID: C000099-10
Sampled: 12/30/09 17:30
Sampled By: Client

Received: 01/06/10 09:45
Work Order: C000099
% Solids: 82.3

Extractable Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>MRL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
C11-C22 Aromatics [ECL-0020] ^	0.4	U	mg/kg dry	1	0.4	20	0A06013	MAEPH	01/07/10 14:47	JHH	
C19-C36 Aliphatics [ECL-0021] ^	0.3	U	mg/kg dry	1	0.3	20	0A06013	MAEPH	01/07/10 14:47	JHH	
C9-C18 Aliphatics [ECL-0026] ^	0.5	U	mg/kg dry	1	0.5	20	0A06013	MAEPH	01/07/10 14:47	JHH	

<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Chloro-octadecane	4.2	1	4.86	86 %	40-140	0A06013	MAEPH	01/07/10 14:47	JHH	
o-Terphenyl	1.2	1	1.62	75 %	40-140	0A06013	MAEPH	01/07/10 14:47	JHH	



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Description: TT-2590-1

Matrix: Soil

Project: TT-2 Tank Yank

Lab Sample ID: C000099-11

Sampled: 12/30/09 13:10

Sampled By: Client

Received: 01/06/10 09:45

Work Order: C000099

% Solids: 85.5

Extractable Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

<u>Analyte</u> [<u>CAS Number</u>]	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>MRL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
C11-C22 Aromatics [ECL-0020] ^	0.4	U	mg/kg dry	1	0.4	20	0A06013	MAEPH	01/07/10 15:27	JHH	
C19-C36 Aliphatics [ECL-0021] ^	0.3	U	mg/kg dry	1	0.3	20	0A06013	MAEPH	01/07/10 15:27	JHH	
C9-C18 Aliphatics [ECL-0026] ^	0.5	U	mg/kg dry	1	0.5	20	0A06013	MAEPH	01/07/10 15:27	JHH	
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>	
Chloro-octadecane	4.2	1	4.68	91 %	40-140	0A06013	MAEPH	01/07/10 15:27	JHH		
o-Terphenyl	1.2	1	1.56	79 %	40-140	0A06013	MAEPH	01/07/10 15:27	JHH		



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Description: TT-2590-2

Matrix: Soil

Project: TT-2 Tank Yank

Lab Sample ID: C000099-12

Sampled: 12/30/09 13:25

Sampled By: Client

Received: 01/06/10 09:45

Work Order: C000099

% Solids: 87.0

Extractable Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

<u>Analyte</u> [<u>CAS Number</u>]	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>MRL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
C11-C22 Aromatics [ECL-0020] ^	0.4	U	mg/kg dry	1	0.4	19	0A06013	MAEPH	01/07/10 15:54	JHH	
C19-C36 Aliphatics [ECL-0021] ^	0.3	U	mg/kg dry	1	0.3	19	0A06013	MAEPH	01/07/10 15:54	JHH	
C9-C18 Aliphatics [ECL-0026] ^	0.5	U	mg/kg dry	1	0.5	19	0A06013	MAEPH	01/07/10 15:54	JHH	
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>	
Chloro-octadecane	4.0	1	4.60	87 %	40-140	0A06013	MAEPH	01/07/10 15:54	JHH		
o-Terphenyl	1.2	1	1.53	76 %	40-140	0A06013	MAEPH	01/07/10 15:54	JHH		



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Description: TT-2590-3

Matrix: Soil

Project: TT-2 Tank Yank

Lab Sample ID: C000099-13

Sampled: 12/30/09 13:45

Sampled By: Client

Received: 01/06/10 09:45

Work Order: C000099

% Solids: 85.0

Extractable Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
C11-C22 Aromatics [ECL-0020] ^	0.4	U	mg/kg dry	1	0.4	20	0A06013	MAEPH	01/07/10 16:22	JHH	
C19-C36 Aliphatics [ECL-0021] ^	0.3	U	mg/kg dry	1	0.3	20	0A06013	MAEPH	01/07/10 16:22	JHH	
C9-C18 Aliphatics [ECL-0026] ^	0.5	U	mg/kg dry	1	0.5	20	0A06013	MAEPH	01/07/10 16:22	JHH	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
Chloro-octadecane	3.9	1	4.71	84 %	40-140	0A06013	MAEPH	01/07/10 16:22	JHH	
o-Terphenyl	1.1	1	1.57	73 %	40-140	0A06013	MAEPH	01/07/10 16:22	JHH	

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Description: TT-2590-4

Matrix: Soil

Project: TT-2 Tank Yank

Lab Sample ID: C000099-14

Sampled: 12/30/09 14:05

Sampled By: Client

Received: 01/06/10 09:45

Work Order: C000099

% Solids: 84.3

Extractable Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

<u>Analyte</u> [<u>CAS Number</u>]	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>MRL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
C11-C22 Aromatics [ECL-0020] ^	0.4	U	mg/kg dry	1	0.4	20	0A06013	MAEPH	01/07/10 16:50	JHH	
C19-C36 Aliphatics [ECL-0021] ^	0.3	U	mg/kg dry	1	0.3	20	0A06013	MAEPH	01/07/10 16:50	JHH	
C9-C18 Aliphatics [ECL-0026] ^	0.5	U	mg/kg dry	1	0.5	20	0A06013	MAEPH	01/07/10 16:50	JHH	
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>	
Chloro-octadecane	4.1	1	4.74	86 %	40-140	0A06013	MAEPH	01/07/10 16:50	JHH		
o-Terphenyl	1.2	1	1.58	74 %	40-140	0A06013	MAEPH	01/07/10 16:50	JHH		



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Description: TT-2590-B-8
Matrix: Soil
Project: TT-2 Tank Yank

Lab Sample ID: C000099-15
Sampled: 12/30/09 14:25
Sampled By: Client

Received: 01/06/10 09:45
Work Order: C000099
% Solids: 84.2

Extractable Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>MRL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
C11-C22 Aromatics [ECL-0020] ^	0.4	U	mg/kg dry	1	0.4	20	0A06013	MAEPH	01/07/10 17:17	JHH	
C19-C36 Aliphatics [ECL-0021] ^	0.3	U	mg/kg dry	1	0.3	20	0A06013	MAEPH	01/07/10 17:17	JHH	
C9-C18 Aliphatics [ECL-0026] ^	0.5	U	mg/kg dry	1	0.5	20	0A06013	MAEPH	01/07/10 17:17	JHH	

<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Chloro-octadecane	4.1	1	4.75	86 %	40-140	0A06013	MAEPH	01/07/10 17:17	JHH	
o-Terphenyl	1.2	1	1.58	75 %	40-140	0A06013	MAEPH	01/07/10 17:17	JHH	



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Description: TT-2594-1

Matrix: Soil

Project: TT-2 Tank Yank

Lab Sample ID: C000099-16

Sampled: 12/30/09 09:45

Sampled By: Client

Received: 01/06/10 09:45

Work Order: C000099

% Solids: 81.2

Extractable Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
C11-C22 Aromatics [ECL-0020] ^	0.4	U	mg/kg dry	1	0.4	21	0A06013	MAEPH	01/07/10 17:44	JHH	
C19-C36 Aliphatics [ECL-0021] ^	0.3	U	mg/kg dry	1	0.3	21	0A06013	MAEPH	01/07/10 17:44	JHH	
C9-C18 Aliphatics [ECL-0026] ^	0.6	U	mg/kg dry	1	0.6	21	0A06013	MAEPH	01/07/10 17:44	JHH	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
Chloro-octadecane	4.2	1	4.93	85 %	40-140	0A06013	MAEPH	01/07/10 17:44	JHH		
o-Terphenyl	1.2	1	1.64	72 %	40-140	0A06013	MAEPH	01/07/10 17:44	JHH		



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Description: TT-2594-2

Matrix: Soil

Project: TT-2 Tank Yank

Lab Sample ID: C000099-17

Sampled: 12/30/09 10:30

Sampled By: Client

Received: 01/06/10 09:45

Work Order: C000099

% Solids: 77.8

Extractable Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

<u>Analyte</u> [<u>CAS Number</u>]	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>MRL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
C11-C22 Aromatics [ECL-0020] ^	0.4	U	mg/kg dry	1	0.4	21	0A06013	MAEPH	01/07/10 18:12	JHH	
C19-C36 Aliphatics [ECL-0021] ^	0.3	U	mg/kg dry	1	0.3	21	0A06013	MAEPH	01/07/10 18:12	JHH	
C9-C18 Aliphatics [ECL-0026] ^	0.6	U	mg/kg dry	1	0.6	21	0A06013	MAEPH	01/07/10 18:12	JHH	
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>	
Chloro-octadecane	4.7	1	5.14	91 %	40-140	0A06013	MAEPH	01/07/10 18:12	JHH		
o-Terphenyl	1.4	1	1.71	79 %	40-140	0A06013	MAEPH	01/07/10 18:12	JHH		



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Description: TT-2594-3

Matrix: Soil

Project: TT-2 Tank Yank

Lab Sample ID: C000099-18

Sampled: 12/30/09 11:05

Sampled By: Client

Received: 01/06/10 09:45

Work Order: C000099

% Solids: 83.3

Extractable Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

<u>Analyte</u> [<u>CAS Number</u>]	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>MRL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
C11-C22 Aromatics [ECL-0020] ^	0.4	U	mg/kg dry	1	0.4	20	0A06013	MAEPH	01/07/10 18:40	JHH	
C19-C36 Aliphatics [ECL-0021] ^	0.3	U	mg/kg dry	1	0.3	20	0A06013	MAEPH	01/07/10 18:40	JHH	
C9-C18 Aliphatics [ECL-0026] ^	0.5	U	mg/kg dry	1	0.5	20	0A06013	MAEPH	01/07/10 18:40	JHH	
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>	
Chloro-octadecane	4.2	1	4.80	88 %	40-140	0A06013	MAEPH	01/07/10 18:40	JHH		
o-Terphenyl	1.2	1	1.60	76 %	40-140	0A06013	MAEPH	01/07/10 18:40	JHH		



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Description: TT-2594-4

Matrix: Soil

Project: TT-2 Tank Yank

Lab Sample ID: C000099-19

Sampled: 12/30/09 12:03

Sampled By: Client

Received: 01/06/10 09:45

Work Order: C000099

% Solids: 78.9

Extractable Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

<u>Analyte</u> [<u>CAS Number</u>]	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>MRL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
C11-C22 Aromatics [ECL-0020] ^	0.4	U	mg/kg dry	1	0.4	21	0A06013	MAEPH	01/07/10 19:07	JHH	
C19-C36 Aliphatics [ECL-0021] ^	0.3	U	mg/kg dry	1	0.3	21	0A06013	MAEPH	01/07/10 19:07	JHH	
C9-C18 Aliphatics [ECL-0026] ^	0.6	U	mg/kg dry	1	0.6	21	0A06013	MAEPH	01/07/10 19:07	JHH	
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>		<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Chloro-octadecane	4.6	1	5.07	90 %	40-140		0A06013	MAEPH	01/07/10 19:07	JHH	
o-Terphenyl	1.3	1	1.69	76 %	40-140		0A06013	MAEPH	01/07/10 19:07	JHH	

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Description: TT-2594-B-9
Matrix: Soil
Project: TT-2 Tank Yank

Lab Sample ID: C000099-20
Sampled: 12/30/09 12:50
Sampled By: Client

Received: 01/06/10 09:45
Work Order: C000099
% Solids: 84.9

Extractable Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>MRL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
C11-C22 Aromatics [ECL-0020] ^	0.4	U	mg/kg dry	1	0.4	20	0A06013	MAEPH	01/07/10 19:35	JHH	
C19-C36 Aliphatics [ECL-0021] ^	0.3	U	mg/kg dry	1	0.3	20	0A06013	MAEPH	01/07/10 19:35	JHH	
C9-C18 Aliphatics [ECL-0026] ^	0.5	U	mg/kg dry	1	0.5	20	0A06013	MAEPH	01/07/10 19:35	JHH	

<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Chloro-octadecane	4.2	1	4.71	89 %	40-140	0A06013	MAEPH	01/07/10 19:35	JHH	
o-Terphenyl	1.2	1	1.57	76 %	40-140	0A06013	MAEPH	01/07/10 19:35	JHH	

QUALITY CONTROL

Extractable Petroleum Hydrocarbons by GC - Quality Control

Batch 0A06013 - EPA 3545

Blank (0A06013-BLK1)

Prepared: 01/06/2010 11:02 Analyzed: 01/07/2010 08:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
C11-C22 Aromatics	0.3	U	17	mg/kg wet							
C19-C36 Aliphatics	0.2	U	17	mg/kg wet							
C9-C18 Aliphatics	0.4	U	17	mg/kg wet							
Surrogate: Chloro-octadecane	3.2			mg/kg wet	4.00		81	40-140			
Surrogate: o-Terphenyl	0.98			mg/kg wet	1.33		74	40-140			

LCS (0A06013-BS1)

Prepared: 01/06/2010 11:02 Analyzed: 01/07/2010 09:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
C11-C22 Aromatics	18		17	mg/kg wet	22.7		80	40-140			
C19-C36 Aliphatics	32		17	mg/kg wet	26.7		119	40-140			
C9-C18 Aliphatics	20		17	mg/kg wet	20.0		101	40-140			
Surrogate: Chloro-octadecane	4.1			mg/kg wet	4.00		102	40-140			
Surrogate: o-Terphenyl	1.2			mg/kg wet	1.33		90	40-140			

LCS Dup (0A06013-BSD1)

Prepared: 01/06/2010 11:02 Analyzed: 01/07/2010 09:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
C11-C22 Aromatics	20		17	mg/kg wet	22.7		88	40-140	9	25	
C19-C36 Aliphatics	34		17	mg/kg wet	26.7		127	40-140	7	25	
C9-C18 Aliphatics	22		17	mg/kg wet	20.0		112	40-140	10	25	
Surrogate: Chloro-octadecane	4.3			mg/kg wet	4.00		108	40-140			
Surrogate: o-Terphenyl	1.3			mg/kg wet	1.33		97	40-140			

Batch 0A08006 - EPA 3550C

Blank (0A08006-BLK1)

Prepared: 01/08/2010 09:05 Analyzed: 01/08/2010 11:48

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
C19-C36 Aliphatics	0.24	U	17	mg/kg wet							
C9-C18 Aliphatics	0.45	U	17	mg/kg wet							
Surrogate: Chloro-octadecane	3.8			mg/kg wet	4.00		95	40-140			

LCS (0A08006-BS1)

Prepared: 01/08/2010 09:05 Analyzed: 01/08/2010 12:41

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
C19-C36 Aliphatics	28		17	mg/kg wet	26.7		104	40-140			
C9-C18 Aliphatics	16	J	17	mg/kg wet	20.0		81	40-140			
Surrogate: Chloro-octadecane	4.7			mg/kg wet	4.00		118	40-140			

LCS Dup (0A08006-BSD1)

Prepared: 01/08/2010 09:05 Analyzed: 01/08/2010 13:36

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
C19-C36 Aliphatics	29		17	mg/kg wet	26.7		108	40-140	4	25	
C9-C18 Aliphatics	17		17	mg/kg wet	20.0		85	40-140	5	25	

QUALITY CONTROL

Extractable Petroleum Hydrocarbons by GC - Quality Control

Batch 0A08006 - EPA 3550C

LCS Dup (0A08006-BSD1) Continued

Prepared: 01/08/2010 09:05 Analyzed: 01/08/2010 13:36

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Chloro-octadecane	4.6			mg/kg wet	4.00		114	40-140			

Batch 0A08007 - EPA 3550C

Blank (0A08007-BLK1)

Prepared: 01/08/2010 09:06 Analyzed: 01/08/2010 12:15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
C11-C22 Aromatics	0.34	U	17	mg/kg wet							
Surrogate: 2-Bromonaphthalene	2.0			ug/mL	4.00		50	40-140			
Surrogate: 2-Fluorobiphenyl	3.9			ug/mL	4.00		98	40-140			
Surrogate: o-Terphenyl	1.3			mg/kg wet	1.33		98	40-140			

LCS (0A08007-BS1)

Prepared: 01/08/2010 09:06 Analyzed: 01/08/2010 13:09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
C11-C22 Aromatics	22		17	mg/kg wet	22.7		96	40-140			
Surrogate: 2-Bromonaphthalene	2.2			ug/mL	4.00		55	40-140			
Surrogate: 2-Fluorobiphenyl	4.3			ug/mL	4.00		107	40-140			
Surrogate: o-Terphenyl	1.5			mg/kg wet	1.33		110	40-140			

LCS Dup (0A08007-BSD1)

Prepared: 01/08/2010 09:06 Analyzed: 01/08/2010 14:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
C11-C22 Aromatics	22		17	mg/kg wet	22.7		97	40-140	0.4	25	
Surrogate: 2-Bromonaphthalene	2.1			ug/mL	4.00		53	40-140			
Surrogate: 2-Fluorobiphenyl	4.2			ug/mL	4.00		105	40-140			
Surrogate: o-Terphenyl	1.4			mg/kg wet	1.33		106	40-140			

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
QS-06	Surrogate recovery exceeded acceptance criteria due to coelution. Matrix effect confirmed.

0000095

Chain of Custody



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1/8/10 8:00
1/14/10 1/14

Results Requested

Workorder Name: TT-2 Tank Yank

Workorder: 9260576

Report / Invoice To		Subcontract To		Requested Analysis	
Ashley Nifong Pace Analytical Charlotte 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 Phone (704) 875-9092 Email: ashley.nifong@pacelabs.com		ENCO P.O. Chsogill			

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers		LAB USE ONLY
					Container	Seal	
1	TT-2563-1	12/29/2009 11:45	9260576001	Solid			
2	TT-2563-2	12/29/2009 12:50	9260576002	Solid			
3	TT-2563-3	12/29/2009 12:05	9260576003	Solid			
4	TT-2563-4	12/29/2009 11:55	9260576004	Solid			
5	TT-2563-B-11.8	12/30/2009 07:20	9260576005	Solid			
6	TT-2565-1	12/30/2009 17:00	9260576006	Solid			
7	TT-2565-2	12/30/2009 17:25	9260576007	Solid			
8	TT-2565-3	12/30/2009 17:10	9260576008	Solid			
9	TT-2565-4	12/30/2009 17:20	9260576009	Solid			
10	TT-2565-B-7	12/30/2009 17:30	9260576010	Solid			
11	TT-2569-1	12/30/2009 13:10	9260576011	Solid			
12	TT-2569-2	12/30/2009 13:25	9260576012	Solid			
13	TT-2569-3	12/30/2009 13:45	9260576013	Solid			
14	TT-2569-4	12/30/2009 14:05	9260576014	Solid			
15	TT-2569-B-8	12/30/2009 14:25	9260576015	Solid			
16	TT-2569-1	12/30/2009 09:45	9260576016	Solid			
17	TT-2564-2	12/30/2009 10:30	9260576017	Solid			
18	TT-2564-3	12/30/2009 11:05	9260576018	Solid			
19	TT-2564-4	12/30/2009 12:03	9260576019	Solid			

CPH



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3.96

0000099

Chain of Custody



Workorder: 9260576

Workorder Name: TT-2 Tank Yank

Results Requested 1/11/2010

Reprint / Invoice To		Subcontract To		Retention Analysis										LAB USE ONLY	
Ashley Nifong Pace Analytical Charlotte 9800 Kinney Ave. Suite 100 Huntersville NC 28078 Phone (704)875-0092 Email ashley.nifong@pacelabs.com		Enco PO 015081161													
Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers										
20	TT-2554-B-9	12/30/2009 12:50	9260576020	Solid	1										
21															
22															
23															
24															
Transfers		Released By	Date/Time	Received By	Date/Time	Comments									
1	Enco	1/5/09 00	1/5/09 00	Enco	1/5/10 07:45	3.9°C									
2															
3															
4															
5															



Jeff Becken
Richard Catlin & Associates
P.O. Box 10280
Wilmington, NC 28404-0280

Report Number: G128-2490

Client Project: TT-Sites

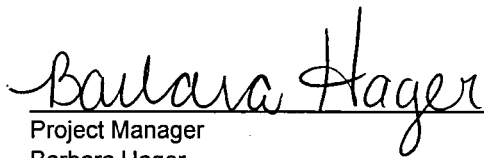
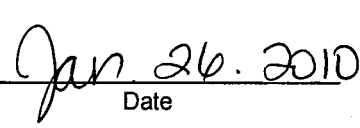
Dear Jeff Becken,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Barbara Hager at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America, Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America, Inc.

 
Project Manager Date
Barbara Hager

SGS North America, Inc.
List of Reporting Abbreviations
And Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantification Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL/CL = Reporting Limit / Control Limit

RPD = Relative Percent Difference

UJ = Target analytes with recoveries that are $10\% < \%R < LCL$; # of MEs are allowable and compounds are not detected in the sample.

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% solids = Percent Solids

Special Notes:

- 1) Metals and mercury samples are digested with a hot block; see the standard operating procedure document for details.
- 2) Uncertainty for all reported data is less than or equal to 30 percent.

Results for Volatiles

by GC 602

Client Sample ID: TT2506-TW01

Analyzed By: DVO

Client Project ID: TT-Sites

Date Collected: 1/18/10 11:45

Lab Sample ID: G128-2490-1A

Date Received: 1/19/10

Lab Project ID: G128-2490

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/21/10	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/21/10	
Ethylbenzene	1.33	1.00	0.19	1	1/21/10	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/21/10	
Toluene	BQL	1.00	0.313	1	1/21/10	
m/p-Xylene	5.97	2.00	0.481	1	1/21/10	
o-Xylene	2.34	2.00	0.405	1	1/21/10	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.5	101

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

Results for Volatiles

by GC 602

Client Sample ID: TT2125-TW01

Analyzed By: DVO

Client Project ID: TT-Sites

Date Collected: 1/18/10 15:00

Lab Sample ID: G128-2490-2A

Date Received: 1/19/10

Lab Project ID: G128-2490

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/21/10	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/21/10	
Ethylbenzene	BQL	1.00	0.19	1	1/21/10	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/21/10	
Toluene	BQL	1.00	0.313	1	1/21/10	
m/p-Xylene	BQL	2.00	0.481	1	1/21/10	
o-Xylene	BQL	2.00	0.405	1	1/21/10	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.2	100

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

Results for Volatiles

by GC 602

Client Sample ID: TT2117-TW01

Analyzed By: DVO

Client Project ID: TT-Sites

Date Collected: 1/18/2010 13:00

Lab Sample ID: G128-2490-3A

Date Received: 1/19/2010

Lab Project ID: G128-2490

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	4.85	1.00	0.177	1	1/22/2010	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/22/2010	
Ethylbenzene	23.5	5.00	0.95	5	1/21/2010	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/22/2010	
Toluene	1.31	1.00	0.313	1	1/22/2010	
m/p-Xylene	82.6	10.0	2.41	5	1/21/2010	
o-Xylene	55.4	10.0	2.03	5	1/21/2010	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.7	104

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

Results for Volatiles
by GC 602

Client Sample ID: TT2103-TW01

Analyzed By: DVO

Client Project ID: TT-Sites

Date Collected: 1/18/10 14:00

Lab Sample ID: G128-2490-4A

Date Received: 1/19/10

Lab Project ID: G128-2490

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/21/10	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/21/10	
Ethylbenzene	BQL	1.00	0.19	1	1/21/10	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/21/10	
Toluene	BQL	1.00	0.313	1	1/21/10	
m/p-Xylene	BQL	2.00	0.481	1	1/21/10	
o-Xylene	BQL	2.00	0.405	1	1/21/10	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.2	101

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

Results for Volatiles

by GC 602

Client Sample ID: TT2953-TW01

Analyzed By: DVO

Client Project ID: TT-Sites

Date Collected: 1/18/10 15:30

Lab Sample ID: G128-2490-5A

Date Received: 1/19/10

Lab Project ID: G128-2490

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	0.811	1.00	0.177	1	1/21/10	J
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/21/10	
Ethylbenzene	8.50	1.00	0.19	1	1/21/10	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/21/10	
Toluene	BQL	1.00	0.313	1	1/21/10	
m/p-Xylene	19.0	2.00	0.481	1	1/21/10	
o-Xylene	2.94	2.00	0.405	1	1/21/10	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.7	102

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: TT2506-TW01
 Client Project ID: TT-Sites
 Lab Sample ID: G128-2490-1J
 Lab Project ID: G128-2490

Analyzed By: DCS
 Date Collected: 1/18/2010 11:45
 Date Received: 1/19/2010
 Date Extracted: 1/19/2010
 Matrix: Water

Initial/Final Amt: 883 mL / 5 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	1.13	5.66	0.844	1	1/21/2010	J
Acenaphthylene	BQL	5.66	0.844	1	1/21/2010	
Anthracene	BQL	5.66	0.991	1	1/21/2010	
Benzo[a]anthracene	BQL	5.66	0.770	1	1/21/2010	
Benzo[a]pyrene	BQL	5.66	0.719	1	1/21/2010	
Benzo[b]fluoranthene	BQL	5.66	0.810	1	1/21/2010	
Benzo[g,h,i]perylene	BQL	5.66	0.696	1	1/21/2010	
Benzo[k]fluoranthene	BQL	5.66	0.623	1	1/21/2010	
Bis(2-chloroethoxy)methane	BQL	5.66	1.17	1	1/21/2010	
Bis(2-chloroethyl)ether	BQL	5.66	1.18	1	1/21/2010	
Bis(2-chloroisopropyl)ether	BQL	5.66	1.10	1	1/21/2010	
Bis(2-ethylhexyl)phthalate	BQL	5.66	0.464	1	1/21/2010	
4-bromophenyl phenyl ether	BQL	5.66	0.883	1	1/21/2010	
Butylbenzylphthalate	BQL	5.66	0.504	1	1/21/2010	
2-Chloronaphthalene	BQL	5.66	0.980	1	1/21/2010	
2-Chlorophenol	BQL	5.66	1.33	1	1/21/2010	
4-Chloro-3-methylphenol	BQL	5.66	0.900	1	1/21/2010	
4-Chlorophenyl phenyl ether	BQL	5.66	3.69	1	1/21/2010	
Chrysene	BQL	5.66	0.629	1	1/21/2010	
Dibenzo[a,h]anthracene	BQL	5.66	0.498	1	1/21/2010	
Di-n-Butylphthalate	BQL	5.66	0.934	1	1/21/2010	
3,3'-Dichlorobenzidine	BQL	11.3	1.38	1	1/21/2010	
2,4-Dichlorophenol	BQL	5.66	1.27	1	1/21/2010	
Diethylphthalate	BQL	5.66	0.838	1	1/21/2010	
Dimethylphthalate	BQL	5.66	0.629	1	1/21/2010	
2,4-Dimethylphenol	BQL	5.66	1.83	1	1/21/2010	
Di-n-octylphthalate	BQL	5.66	0.657	1	1/21/2010	
4,6-Dinitro-2-methylphenol	BQL	28.3	0.623	1	1/21/2010	
2,4-Dinitrophenol	BQL	28.3	0.725	1	1/21/2010	
2,4-Dinitrotoluene	BQL	5.66	0.606	1	1/21/2010	
2,6-Dinitrotoluene	BQL	5.66	0.736	1	1/21/2010	
Diphenylamine *	BQL	5.66	0.646	1	1/21/2010	
Fluoranthene	BQL	5.66	0.798	1	1/21/2010	
Fluorene	1.64	5.66	0.821	1	1/21/2010	J
Hexachlorobenzene	BQL	5.66	0.572	1	1/21/2010	
Hexachlorobutadiene	BQL	5.66	0.861	1	1/21/2010	
Hexachlorocyclopentadiene	BQL	11.3	11.3	1	1/21/2010	
Hexachloroethane	BQL	5.66	0.844	1	1/21/2010	
Indeno(1,2,3-c,d)pyrene	BQL	5.66	2.59	1	1/21/2010	
Isophorone	BQL	5.66	1.00	1	1/21/2010	
Naphthalene	10.3	5.66	1.03	1	1/21/2010	
Nitrobenzene	BQL	5.66	1.19	1	1/21/2010	
2-Nitrophenol	BQL	5.66	1.39	1	1/21/2010	
4-Nitrophenol	BQL	28.3	1.22	1	1/21/2010	
N-Nitrosodi-n-propylamine	BQL	5.66	1.70	1	1/21/2010	
Pentachlorophenol	BQL	28.3	1.60	1	1/21/2010	
Phenanthrene	1.08	5.66	0.504	1	1/21/2010	J

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: TT2506-TW01
Client Project ID: TT-Sites
Lab Sample ID: G128-2490-1J
Lab Project ID: G128-2490

Analyzed By: DCS
Date Collected: 1/18/2010 11:45
Date Received: 1/19/2010
Date Extracted: 1/19/2010
Matrix: Water

Initial/Final Amt: 883 mL / 5 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.66	1.20	1	1/21/2010	
Pyrene	BQL	5.66	2.34	1	1/21/2010	
1,2,4-Trichlorobenzene	BQL	5.66	0.815	1	1/21/2010	
2,4,6-Trichlorophenol	BQL	5.66	1.05	1	1/21/2010	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.5	95		
2-Fluorophenol		10	9.1	91		
Nitrobenzene-d5		10	9.7	97		
Phenol-d6		10	9.2	92		
2,4,6-Tribromophenol		10	10.6	106		
4-Terphenyl-d14		10	10.2	102		

Comments:**Flags:**

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: 

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: TT2506-TW01
Client Project ID: TT-Sites
Lab Sample ID: G128-2490-1J
Lab Project ID: G128-2490
Sample Wt/Vol: 883 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/18/2010 11:45
Date Received: 1/19/2010
Date Extracted: 1/19/2010
Date Analyzed: 1/21/2010
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Naphthalene, 2,3-dimethyl-	6.72	581-40-8	98	19.7
2	Naphthalene, 1,5-dimethyl-	6.63	571-61-9	98	16.7
3	Benzene, 1,2,4-trimethyl-	4.05	95-63-6	95	16
4	Alkane, Unknown	4.94			14
5	Benzene, 1-methyl-3-(1-methylethyl)-	4.27	535-77-3	94	7
6	Alkane, Unknown	5.04			6.3
7	Benzene, 1-methyl-4-propyl-	4.34	1074-55-1	91	5.96
8	Alkane, Unknown	4.42			2.47

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: MA

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: TT2125-TW01
 Client Project ID: TT-Sites
 Lab Sample ID: G128-2490-2J
 Lab Project ID: G128-2490

Analyzed By: DCS
 Date Collected: 1/18/2010 15:00
 Date Received: 1/19/2010
 Date Extracted: 1/19/2010
 Matrix: Water

Initial/Final Amt: 889 mL / 5 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.62	0.838	1	1/21/2010	
Acenaphthylene	BQL	5.62	0.838	1	1/21/2010	
Anthracene	BQL	5.62	0.984	1	1/21/2010	
Benzo[a]anthracene	BQL	5.62	0.765	1	1/21/2010	
Benzo[a]pyrene	BQL	5.62	0.714	1	1/21/2010	
Benzo[b]fluoranthene	BQL	5.62	0.804	1	1/21/2010	
Benzo[g,h,i]perylene	BQL	5.62	0.692	1	1/21/2010	
Benzo[k]fluoranthene	BQL	5.62	0.619	1	1/21/2010	
Bis(2-chloroethoxy)methane	BQL	5.62	1.16	1	1/21/2010	
Bis(2-chloroethyl)ether	BQL	5.62	1.17	1	1/21/2010	
Bis(2-chloroisopropyl)ether	BQL	5.62	1.10	1	1/21/2010	
Bis(2-ethylhexyl)phthalate	BQL	5.62	0.461	1	1/21/2010	
4-bromophenyl phenyl ether	BQL	5.62	0.877	1	1/21/2010	
Butylbenzylphthalate	BQL	5.62	0.501	1	1/21/2010	
2-Chloronaphthalene	BQL	5.62	0.973	1	1/21/2010	
2-Chlorophenol	BQL	5.62	1.32	1	1/21/2010	
4-Chloro-3-methylphenol	BQL	5.62	0.894	1	1/21/2010	
4-Chlorophenyl phenyl ether	BQL	5.62	3.66	1	1/21/2010	
Chrysene	BQL	5.62	0.624	1	1/21/2010	
Dibenzo[a,h]anthracene	BQL	5.62	0.495	1	1/21/2010	
Di-n-Butylphthalate	BQL	5.62	0.928	1	1/21/2010	
3,3'-Dichlorobenzidine	BQL	11.2	1.37	1	1/21/2010	
2,4-Dichlorophenol	BQL	5.62	1.26	1	1/21/2010	
Diethylphthalate	BQL	5.62	0.832	1	1/21/2010	
Dimethylphthalate	BQL	5.62	0.624	1	1/21/2010	
2,4-Dimethylphenol	BQL	5.62	1.82	1	1/21/2010	
Di-n-octylphthalate	BQL	5.62	0.652	1	1/21/2010	
4,6-Dinitro-2-methylphenol	BQL	28.1	0.619	1	1/21/2010	
2,4-Dinitrophenol	BQL	28.1	0.720	1	1/21/2010	
2,4-Dinitrotoluene	BQL	5.62	0.602	1	1/21/2010	
2,6-Dinitrotoluene	BQL	5.62	0.731	1	1/21/2010	
Diphenylamine *	BQL	5.62	0.641	1	1/21/2010	
Fluoranthene	BQL	5.62	0.793	1	1/21/2010	
Fluorene	BQL	5.62	0.816	1	1/21/2010	
Hexachlorobenzene	BQL	5.62	0.568	1	1/21/2010	
Hexachlorobutadiene	BQL	5.62	0.855	1	1/21/2010	
Hexachlorocyclopentadiene	BQL	11.2	11.2	1	1/21/2010	
Hexachloroethane	BQL	5.62	0.838	1	1/21/2010	
Indeno(1,2,3-c,d)pyrene	BQL	5.62	2.57	1	1/21/2010	
Isophorone	BQL	5.62	0.996	1	1/21/2010	
Naphthalene	BQL	5.62	1.02	1	1/21/2010	
Nitrobenzene	BQL	5.62	1.18	1	1/21/2010	
2-Nitrophenol	BQL	5.62	1.38	1	1/21/2010	
4-Nitrophenol	BQL	28.1	1.21	1	1/21/2010	
N-Nitrosodi-n-propylamine	BQL	5.62	1.69	1	1/21/2010	
Pentachlorophenol	BQL	28.1	1.59	1	1/21/2010	
Phenanthrene	BQL	5.62	0.501	1	1/21/2010	

Results for Semivolatiles
by GCMS 625

Client Sample ID: TT2125-TW01
Client Project ID: TT-Sites
Lab Sample ID: G128-2490-2J
Lab Project ID: G128-2490

Analyzed By: DCS
Date Collected: 1/18/2010 15:00
Date Received: 1/19/2010
Date Extracted: 1/19/2010
Matrix: Water

Initial/Final Amt: 889 mL / 5 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.62	1.19	1	1/21/2010	
Pyrene	BQL	5.62	2.32	1	1/21/2010	
1,2,4-Trichlorobenzene	BQL	5.62	0.810	1	1/21/2010	
2,4,6-Trichlorophenol	BQL	5.62	1.04	1	1/21/2010	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.1	91		
2-Fluorophenol		10	8	80		
Nitrobenzene-d5		10	8.9	89		
Phenol-d6		10	8.6	86		
2,4,6-Tribromophenol		10	9.5	95		
4-Terphenyl-d14		10	10.5	105		

Comments:**Flags:**

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: 

Results of Library Search for Semivolatile Compounds by GCMS

Client Sample ID: TT2125-TW01
Client Project ID: TT-Sites
Lab Sample ID: G128-2490-2J
Lab Project ID: G128-2490
Sample Wt/Vol: 889 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/18/2010 15:00
Date Received: 1/19/2010
Date Extracted: 1/19/2010
Date Analyzed: 1/21/2010
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Dieldrin	10.30	60-57-1	99	4.74
2	Alkane, Unknown	4.42			2.78
3	Alkane, Unknown	4.42			2.74

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by:

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: TT2117-TW01
 Client Project ID: TT-Sites
 Lab Sample ID: G128-2490-3J
 Lab Project ID: G128-2490

Analyzed By: DCS
 Date Collected: 1/18/2010 13:00
 Date Received: 1/19/2010
 Date Extracted: 1/19/2010
 Matrix: Water

Initial/Final Amt: 886 mL / 5 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	1.58	5.64	0.841	1	1/21/2010	J
Acenaphthylene	BQL	5.64	0.841	1	1/21/2010	
Anthracene	BQL	5.64	0.988	1	1/21/2010	
Benzo[a]anthracene	BQL	5.64	0.767	1	1/21/2010	
Benzo[a]pyrene	BQL	5.64	0.717	1	1/21/2010	
Benzo[b]fluoranthene	BQL	5.64	0.807	1	1/21/2010	
Benzo[g,h,i]perylene	BQL	5.64	0.694	1	1/21/2010	
Benzo[k]fluoranthene	BQL	5.64	0.621	1	1/21/2010	
Bis(2-chloroethoxy)methane	BQL	5.64	1.16	1	1/21/2010	
Bis(2-chloroethyl)ether	BQL	5.64	1.17	1	1/21/2010	
Bis(2-chloroisopropyl)ether	BQL	5.64	1.10	1	1/21/2010	
Bis(2-ethylhexyl)phthalate	BQL	5.64	0.463	1	1/21/2010	
4-bromophenyl phenyl ether	BQL	5.64	0.880	1	1/21/2010	
Butylbenzylphthalate	BQL	5.64	0.502	1	1/21/2010	
2-Chloronaphthalene	BQL	5.64	0.976	1	1/21/2010	
2-Chlorophenol	BQL	5.64	1.32	1	1/21/2010	
4-Chloro-3-methylphenol	BQL	5.64	0.897	1	1/21/2010	
4-Chlorophenyl phenyl ether	BQL	5.64	3.67	1	1/21/2010	
Chrysene	BQL	5.64	0.626	1	1/21/2010	
Dibenzo[a,h]anthracene	BQL	5.64	0.497	1	1/21/2010	
Di-n-Butylphthalate	BQL	5.64	0.931	1	1/21/2010	
3,3'-Dichlorobenzidine	BQL	11.3	1.38	1	1/21/2010	
2,4-Dichlorophenol	BQL	5.64	1.26	1	1/21/2010	
Diethylphthalate	BQL	5.64	0.835	1	1/21/2010	
Dimethylphthalate	BQL	5.64	0.626	1	1/21/2010	
2,4-Dimethylphenol	BQL	5.64	1.83	1	1/21/2010	
Di-n-octylphthalate	BQL	5.64	0.655	1	1/21/2010	
4,6-Dinitro-2-methylphenol	BQL	28.2	0.621	1	1/21/2010	
2,4-Dinitrophenol	BQL	28.2	0.722	1	1/21/2010	
2,4-Dinitrotoluene	BQL	5.64	0.604	1	1/21/2010	
2,6-Dinitrotoluene	BQL	5.64	0.734	1	1/21/2010	
Diphenylamine *	BQL	5.64	0.643	1	1/21/2010	
Fluoranthene	BQL	5.64	0.796	1	1/21/2010	
Fluorene	2.48	5.64	0.818	1	1/21/2010	J
Hexachlorobenzene	BQL	5.64	0.570	1	1/21/2010	
Hexachlorobutadiene	BQL	5.64	0.858	1	1/21/2010	
Hexachlorocyclopentadiene	BQL	11.3	11.3	1	1/21/2010	
Hexachloroethane	BQL	5.64	0.841	1	1/21/2010	
Indeno(1,2,3-c,d)pyrene	BQL	5.64	2.58	1	1/21/2010	
Isophorone	BQL	5.64	0.999	1	1/21/2010	
Naphthalene	55.6	5.64	1.03	1	1/21/2010	
Nitrobenzene	BQL	5.64	1.19	1	1/21/2010	
2-Nitrophenol	BQL	5.64	1.39	1	1/21/2010	
4-Nitrophenol	BQL	28.2	1.22	1	1/21/2010	
N-Nitrosodi-n-propylamine	BQL	5.64	1.69	1	1/21/2010	
Pentachlorophenol	BQL	28.2	1.60	1	1/21/2010	
Phenanthrene	1.69	5.64	0.502	1	1/21/2010	J

Results for Semivolatiles
by GCMS 625

Client Sample ID: TT2117-TW01
Client Project ID: TT-Sites
Lab Sample ID: G128-2490-3J
Lab Project ID: G128-2490

Analyzed By: DCS
Date Collected: 1/18/2010 13:00
Date Received: 1/19/2010
Date Extracted: 1/19/2010
Matrix: Water

Initial/Final Amt: 886 mL / 5 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.64	1.20	1	1/21/2010	
Pyrene	BQL	5.64	2.33	1	1/21/2010	
1,2,4-Trichlorobenzene	BQL	5.64	0.813	1	1/21/2010	
2,4,6-Trichlorophenol	BQL	5.64	1.04	1	1/21/2010	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.1	91		
2-Fluorophenol		10	8.4	84		
Nitrobenzene-d5		10	9.2	92		
Phenol-d6		10	8.9	89		
2,4,6-Tribromophenol		10	11	110		
4-Terphenyl-d14		10	10.8	108		

Comments:**Flags:**

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: 

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: TT2117-TW01
Client Project ID: TT-Sites
Lab Sample ID: G128-2490-3J
Lab Project ID: G128-2490
Sample Wt/Vol: 886 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/18/2010 13:00
Date Received: 1/19/2010
Date Extracted: 1/19/2010
Date Analyzed: 1/21/2010
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Benzene, 1,2,4-trimethyl-	4.05	95-63-6	95	52.8
2	Tetramethylbenzene, Isomer of	4.94			21.7
3	Benzene, 1,2-diethyl-	4.27	135-01-3	91	20.9
4	Naphthalene, 2,6-dimethyl-	6.66	581-42-0	97	20
5	Naphthalene, 2,7-dimethyl-	6.58	582-16-1	97	18.1
6	Benzene, 2-ethyl-1,4-dimethyl-	4.41	1758-88-9	94	14.4
7	Alkane, Unknown	4.16			14.3
8	Alkane, Unknown	4.42			5.75
9	Naphthalene, 1-methyl-	6.02	90-12-0	91	5.55

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: MA

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: TT2103-TW01
 Client Project ID: TT-Sites
 Lab Sample ID: G128-2490-4J
 Lab Project ID: G128-2490

Analyzed By: DCS
 Date Collected: 1/18/2010 14:00
 Date Received: 1/19/2010
 Date Extracted: 1/19/2010
 Matrix: Water

Initial/Final Amt: 882 mL / 5 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.67	0.845	1	1/21/2010	
Acenaphthylene	BQL	5.67	0.845	1	1/21/2010	
Anthracene	BQL	5.67	0.992	1	1/21/2010	
Benzo[a]anthracene	BQL	5.67	0.771	1	1/21/2010	
Benzo[a]pyrene	BQL	5.67	0.720	1	1/21/2010	
Benzo[b]fluoranthene	BQL	5.67	0.811	1	1/21/2010	
Benzo[g,h,i]perylene	BQL	5.67	0.697	1	1/21/2010	
Benzo[k]fluoranthene	BQL	5.67	0.624	1	1/21/2010	
Bis(2-chloroethoxy)methane	BQL	5.67	1.17	1	1/21/2010	
Bis(2-chloroethyl)ether	BQL	5.67	1.18	1	1/21/2010	
Bis(2-chloroisopropyl)ether	BQL	5.67	1.11	1	1/21/2010	
Bis(2-ethylhexyl)phthalate	BQL	5.67	0.465	1	1/21/2010	
4-bromophenyl phenyl ether	BQL	5.67	0.884	1	1/21/2010	
Butylbenzylphthalate	BQL	5.67	0.505	1	1/21/2010	
2-Chloronaphthalene	BQL	5.67	0.981	1	1/21/2010	
2-Chlorophenol	BQL	5.67	1.33	1	1/21/2010	
4-Chloro-3-methylphenol	BQL	5.67	0.901	1	1/21/2010	
4-Chlorophenyl phenyl ether	BQL	5.67	3.69	1	1/21/2010	
Chrysene	BQL	5.67	0.629	1	1/21/2010	
Dibenzo[a,h]anthracene	BQL	5.67	0.499	1	1/21/2010	
Di-n-Butylphthalate	BQL	5.67	0.935	1	1/21/2010	
3,3'-Dichlorobenzidine	BQL	11.3	1.38	1	1/21/2010	
2,4-Dichlorophenol	BQL	5.67	1.27	1	1/21/2010	
Diethylphthalate	BQL	5.67	0.839	1	1/21/2010	
Dimethylphthalate	BQL	5.67	0.629	1	1/21/2010	
2,4-Dimethylphenol	BQL	5.67	1.84	1	1/21/2010	
Di-n-octylphthalate	BQL	5.67	0.658	1	1/21/2010	
4,6-Dinitro-2-methylphenol	BQL	28.3	0.624	1	1/21/2010	
2,4-Dinitrophenol	BQL	28.3	0.726	1	1/21/2010	
2,4-Dinitrotoluene	BQL	5.67	0.607	1	1/21/2010	
2,6-Dinitrotoluene	BQL	5.67	0.737	1	1/21/2010	
Diphenylamine *	BQL	5.67	0.646	1	1/21/2010	
Fluoranthene	BQL	5.67	0.799	1	1/21/2010	
Fluorene	BQL	5.67	0.822	1	1/21/2010	
Hexachlorobenzene	BQL	5.67	0.573	1	1/21/2010	
Hexachlorobutadiene	BQL	5.67	0.862	1	1/21/2010	
Hexachlorocyclopentadiene	BQL	11.3	11.3	1	1/21/2010	
Hexachloroethane	BQL	5.67	0.845	1	1/21/2010	
Indeno(1,2,3-c,d)pyrene	BQL	5.67	2.59	1	1/21/2010	
Isophorone	BQL	5.67	1.00	1	1/21/2010	
Naphthalene	BQL	5.67	1.03	1	1/21/2010	
Nitrobenzene	BQL	5.67	1.19	1	1/21/2010	
2-Nitrophenol	BQL	5.67	1.39	1	1/21/2010	
4-Nitrophenol	BQL	28.3	1.22	1	1/21/2010	
N-Nitrosodi-n-propylamine	BQL	5.67	1.70	1	1/21/2010	
Pentachlorophenol	BQL	28.3	1.60	1	1/21/2010	
Phenanthrene	BQL	5.67	0.505	1	1/21/2010	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: TT2103-TW01
Client Project ID: TT-Sites
Lab Sample ID: G128-2490-4J
Lab Project ID: G128-2490

Analyzed By: DCS
Date Collected: 1/18/2010 14:00
Date Received: 1/19/2010
Date Extracted: 1/19/2010
Matrix: Water

Initial/Final Amt: 882 mL / 5 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.67	1.20	1	1/21/2010	
Pyrene	BQL	5.67	2.34	1	1/21/2010	
1,2,4-Trichlorobenzene	BQL	5.67	0.816	1	1/21/2010	
2,4,6-Trichlorophenol	BQL	5.67	1.05	1	1/21/2010	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	8.7	87		
2-Fluorophenol		10	7.7	77		
Nitrobenzene-d5		10	8.7	87		
Phenol-d6		10	8.2	82		
2,4,6-Tribromophenol		10	9.4	94		
4-Terphenyl-d14		10	10.2	102		

Comments:**Flags:**

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: DD

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: TT2103-TW01
Client Project ID: TT-Sites
Lab Sample ID: G128-2490-4J
Lab Project ID: G128-2490
Sample Wt/Vol: 882 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/18/2010 14:00
Date Received: 1/19/2010
Date Extracted: 1/19/2010
Date Analyzed: 1/21/2010
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Alkane, Unknown	4.42			4.21

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: CDX

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: TT2953-TW01
 Client Project ID: TT-Sites
 Lab Sample ID: G128-2490-5J
 Lab Project ID: G128-2490

Analyzed By: DCS
 Date Collected: 1/18/2010 15:30
 Date Received: 1/19/2010
 Date Extracted: 1/19/2010
 Matrix: Water

Initial/Final Amt: 872 mL / 5 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	1.20	5.73	0.854	1	1/21/2010	J
Acenaphthylene	BQL	5.73	0.854	1	1/21/2010	
Anthracene	BQL	5.73	1.00	1	1/21/2010	
Benzo[a]anthracene	BQL	5.73	0.780	1	1/21/2010	
Benzo[a]pyrene	BQL	5.73	0.728	1	1/21/2010	
Benzo[b]fluoranthene	BQL	5.73	0.820	1	1/21/2010	
Benzo[g,h,i]perylene	BQL	5.73	0.705	1	1/21/2010	
Benzo[k]fluoranthene	BQL	5.73	0.631	1	1/21/2010	
Bis(2-chloroethoxy)methane	BQL	5.73	1.18	1	1/21/2010	
Bis(2-chloroethyl)ether	BQL	5.73	1.19	1	1/21/2010	
Bis(2-chloroisopropyl)ether	BQL	5.73	1.12	1	1/21/2010	
Bis(2-ethylhexyl)phthalate	BQL	5.73	0.470	1	1/21/2010	
4-bromophenyl phenyl ether	BQL	5.73	0.894	1	1/21/2010	
Butylbenzylphthalate	BQL	5.73	0.510	1	1/21/2010	
2-Chloronaphthalene	BQL	5.73	0.992	1	1/21/2010	
2-Chlorophenol	BQL	5.73	1.34	1	1/21/2010	
4-Chloro-3-methylphenol	BQL	5.73	0.912	1	1/21/2010	
4-Chlorophenyl phenyl ether	BQL	5.73	3.73	1	1/21/2010	
Chrysene	BQL	5.73	0.636	1	1/21/2010	
Dibenzo[a,h]anthracene	BQL	5.73	0.505	1	1/21/2010	
Di-n-Butylphthalate	BQL	5.73	0.946	1	1/21/2010	
3,3'-Dichlorobenzidine	BQL	11.5	1.40	1	1/21/2010	
2,4-Dichlorophenol	BQL	5.73	1.28	1	1/21/2010	
Diethylphthalate	BQL	5.73	0.849	1	1/21/2010	
Dimethylphthalate	BQL	5.73	0.636	1	1/21/2010	
2,4-Dimethylphenol	BQL	5.73	1.86	1	1/21/2010	
Di-n-octylphthalate	BQL	5.73	0.665	1	1/21/2010	
4,6-Dinitro-2-methylphenol	BQL	28.7	0.631	1	1/21/2010	
2,4-Dinitrophenol	BQL	28.7	0.734	1	1/21/2010	
2,4-Dinitrotoluene	BQL	5.73	0.614	1	1/21/2010	
2,6-Dinitrotoluene	BQL	5.73	0.745	1	1/21/2010	
Diphenylamine *	BQL	5.73	0.654	1	1/21/2010	
Fluoranthene	BQL	5.73	0.808	1	1/21/2010	
Fluorene	2.58	5.73	0.831	1	1/21/2010	J
Hexachlorobenzene	BQL	5.73	0.579	1	1/21/2010	
Hexachlorobutadiene	BQL	5.73	0.872	1	1/21/2010	
Hexachlorocyclopentadiene	BQL	11.5	11.5	1	1/21/2010	
Hexachloroethane	BQL	5.73	0.854	1	1/21/2010	
Indeno(1,2,3-c,d)pyrene	BQL	5.73	2.62	1	1/21/2010	
Isophorone	BQL	5.73	1.01	1	1/21/2010	
Naphthalene	19.7	5.73	1.04	1	1/21/2010	
Nitrobenzene	BQL	5.73	1.20	1	1/21/2010	
2-Nitrophenol	BQL	5.73	1.41	1	1/21/2010	
4-Nitrophenol	BQL	28.7	1.24	1	1/21/2010	
N-Nitrosodi-n-propylamine	BQL	5.73	1.72	1	1/21/2010	
Pentachlorophenol	BQL	28.7	1.62	1	1/21/2010	
Phenanthrene	1.61	5.73	0.510	1	1/21/2010	J

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: TT2953-TW01
 Client Project ID: TT-Sites
 Lab Sample ID: G128-2490-5J
 Lab Project ID: G128-2490

Analyzed By: DCS
 Date Collected: 1/18/2010 15:30
 Date Received: 1/19/2010
 Date Extracted: 1/19/2010
 Matrix: Water

Initial/Final Amt: 872 mL / 5 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.73	1.22	1	1/21/2010	
Pyrene	BQL	5.73	2.37	1	1/21/2010	
1,2,4-Trichlorobenzene	BQL	5.73	0.826	1	1/21/2010	
2,4,6-Trichlorophenol	BQL	5.73	1.06	1	1/21/2010	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	8.5	85		
2-Fluorophenol		10	7.7	77		
Nitrobenzene-d5		10	8.4	84		
Phenol-d6		10	8.3	83		
2,4,6-Tribromophenol		10	10	100		
4-Terphenyl-d14		10	10.7	107		

Comments:

Flags:

BQL = Below Quantitation Limits.
 J = Detected below the quantitation limit.

Reviewed By: 

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: TT2953-TW01
 Client Project ID: TT-Sites
 Lab Sample ID: G128-2490-5J
 Lab Project ID: G128-2490
 Sample Wt/Vol: 872 ML
 Dilution: 1

Analyzed By: DES
 Date Collected: 1/18/2010 15:30
 Date Received: 1/19/2010
 Date Extracted: 1/19/2010
 Date Analyzed: 1/21/2010
 Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Benzene, 1,2,4-trimethyl-	4.05	95-63-6	95	18.2
2	Naphthalene, 2,6-dimethyl-	6.66	581-42-0	97	16.1
3	Benzene, 1-ethyl-3,5-dimethyl-	4.27	934-74-7	94	13.9
4	Propenylbenzene, Isomer of	4.34			13.4
5	Benzene, 2-ethyl-1,4-dimethyl-	4.41	1758-88-9	95	12.9
6	Naphthalene, 2,7-dimethyl-	6.58	582-16-1	97	11.6
7	Naphthalene, 1,5-dimethyl-	6.68	571-61-9	98	10.8
8	Aromatic, Unknown	5.04			10.2
9	Naphthalene, 2-methyl-	5.97	91-57-6	94	6.46
10	Alkane, Unknown	4.42			

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: 

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & AssociatesProject Name: TT-Sites

Sample Information	
Sample Identification	TT2506-TW01
Sample Matrix	Water
Collection Option (for Soil)*	NA
Date Collected	01/18/10 11:45
Date Received	01/19/10
Date Extracted	01/22/10 21:33 - 01/22/10 21:33
Date Analyzed	01/22/10 21:33 - 01/22/10 21:33
Dry Weight	NA
Dilution Factor	1 - 1

Analytical Results				
Analyte	Result µg/L	Report Limit µg/L	Flags	
C ₅ -C ₈ Aliphatics**	BQL	100		
C ₉ -C ₁₂ Aliphatics**	BQL	100		
C ₉ -C ₁₀ Aromatics**	177	100		
	Percent Recovery	Flags	Limits Lower Upper	
Surrogate % Recovery - PID	104		70	130
Surrogate % Recovery - FID	105		70	130

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: g128-2490-1d	Lab Info: g128-2490-1d
FID Info: VP012210/027F0101.D	PID Info: VP012210/027R0101.D

Reviewed By: 

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & AssociatesProject Name: TT-Sites

Sample Information	
Sample Identification	TT2125-TW01
Sample Matrix	Water
Collection Option (for Soil)*	NA
Date Collected	01/18/10 15:00
Date Received	01/19/10
Date Extracted	01/22/10 22:00 - 01/22/10 22:00
Date Analyzed	01/22/10 22:00 - 01/22/10 22:00
Dry Weight	NA
Dilution Factor	1 - 1

Analytical Results				
Analyte	Result µg/L	Report Limit µg/L	Flags	
C ₅ -C ₈ Aliphatics**	BQL	100		
C ₉ -C ₁₂ Aliphatics**	BQL	100		
C ₉ -C ₁₀ Aromatics**	BQL	100		
	Percent Recovery	Flags	Limits Lower Upper	
Surrogate % Recovery - PID	103		70	130
Surrogate % Recovery - FID	101		70	130

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: g128-2490-2d	Lab Info: g128-2490-2d
FID Info: VP012210/028F0101.D	PID Info: VP012210/028R0101.D

Reviewed By: 

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & AssociatesProject Name: TT-Sites

Sample Information	
Sample Identification	TT2117-TW01
Sample Matrix	Water
Collection Option (for Soil)*	NA
Date Collected	01/18/10 13:00
Date Received	01/19/10
Date Extracted	01/22/10 22:27 - 01/22/10 22:27
Date Analyzed	01/22/10 22:27 - 01/22/10 22:27
Dry Weight	NA
Dilution Factor	1 - 1

Analytical Results				
Analyte	Result µg/L	Report Limit µg/L	Flags	
C ₅ -C ₈ Aliphatics**	BQL	100		
C ₉ -C ₁₂ Aliphatics**	283	100		
C ₉ -C ₁₀ Aromatics**	571	100		
	Percent Recovery	Flags	Limits Lower Upper	
Surrogate % Recovery - PID	113		70	130
Surrogate % Recovery - FID	108		70	130

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: g128-2490-3d	Lab Info: g128-2490-3d
FID Info: VP012210/029F0101.D	PID Info: VP012210/029R0101.D

Reviewed By: 

VPH (Aliphatics/Aromatics) Laboratory Reporting FormClient Name: Richard Catlin & AssociatesProject Name: TT-Sites

Sample Information	
Sample Identification	TT2103-TW01
Sample Matrix	Water
Collection Option (for Soil)*	NA
Date Collected	01/18/10 14:00
Date Received	01/19/10
Date Extracted	01/22/10 22:54 - 01/22/10 22:54
Date Analyzed	01/22/10 22:54 - 01/22/10 22:54
Dry Weight	NA
Dilution Factor	1 - 1

Analytical Results				
Analyte	Result µg/L	Report Limit µg/L	Flags	
C ₅ -C ₈ Aliphatics**	BQL	100		
C ₉ -C ₁₂ Aliphatics**	BQL	100		
C ₉ -C ₁₀ Aromatics**	BQL	100		
	Percent Recovery	Flags	Limits Lower Upper	
Surrogate % Recovery - PID	105		70	130
Surrogate % Recovery - FID	103		70	130

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: g128-2490-4d	Lab Info: g128-2490-4d
FID Info: VP012210/030F0101.D	PID Info: VP012210/030R0101.D

Reviewed By: 

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & AssociatesProject Name: TT-Sites

Sample Information	
Sample Identification	TT2953-TW01
Sample Matrix	Water
Collection Option (for Soil)*	NA
Date Collected	01/18/10 15:30
Date Received	01/19/10
Date Extracted	01/22/10 23:21 - 01/22/10 23:21
Date Analyzed	01/22/10 23:21 - 01/22/10 23:21
Dry Weight	NA
Dilution Factor	1 - 1

Analytical Results				
Analyte	Result µg/L	Report Limit µg/L	Flags	
C ₅ -C ₈ Aliphatics**	BQL	100		
C ₉ -C ₁₂ Aliphatics**	105	100		
C ₉ -C ₁₀ Aromatics**	334	100		
	Percent Recovery	Flags	Limits Lower Upper	
Surrogate % Recovery - PID	106		70	130
Surrogate % Recovery - FID	103		70	130

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: g128-2490-5d	Lab Info: g128-2490-5d
FID Info: VP012210/031F0101.D	PID Info: VP012210/031R0101.D

Reviewed By: 

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

FID Initial Calibration Date:

12/04/09

PID Initial Calibration Date:

12/04/09

Calibration Ranges and Limits

Range	MDL		ML		RL	
	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)
C ₅ -C ₈ Aliphatics	2.02	0.175	6.42	0.557	100	10
C ₉ -C ₁₂ Aliphatics	1.51	0.118	4.80	0.375	100	10
C ₉ -C ₁₀ Aromatics	0.902	0.132	2.87	0.420	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	Levels (mg/Kg)	%RSD if CF r if LR	Method of Quantitation
C ₅ -C ₈ Aliphatics	10	0.8	15.00	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		
C ₉ -C ₁₂ Aliphatics	10	0.8	0.99	Linear Regression
	50	4		
	100	8		
	200	16		
	500	40		
C ₉ -C ₁₀ Aromatics	10	0.8	22.39	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		

Calibration Check Date:

01/22/10

Filename:

VP012210/002F0101.d

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	%Difference if CF %Drift if LR	Limits
C ₅ -C ₈ Aliphatics	200	16	11.5	±25%
C ₉ -C ₁₂ Aliphatics	200	16	-9.0	±25%
C ₉ -C ₁₀ Aromatics	200	16	22.4	±25%

MDL = Method Detection Limit

ML = Minimum Limit

RL = Reportable Limit

RPD = Relative Percent Difference

%RSD = Percent Relative Standard Deviation

CCC = Correlation Coefficient of Curve

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

FID Initial Calibration Date: 12/04/09PID Initial Calibration Date: 12/04/09

Calibration Ranges and Limits

Range	MDL		ML		RL	
	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)
C ₅ -C ₈ Aliphatics	2.02	0.175	6.42	0.557	100	10
C ₉ -C ₁₂ Aliphatics	1.51	0.118	4.80	0.375	100	10
C ₉ -C ₁₀ Aromatics	0.902	0.132	2.87	0.420	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	Levels (mg/Kg)	%RSD if CF r if LR	Method of Quantitation
C ₅ -C ₈ Aliphatics	10	0.8	15.00	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		
C ₉ -C ₁₂ Aliphatics	10	0.8	0.99	Linear Regression
	50	4		
	100	8		
	200	16		
	500	40		
C ₉ -C ₁₀ Aromatics	10	0.8	22.39	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		

Calibration Check Date: 01/22/10Filename: VP012210/036F0101.d

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	%Difference if CF %Drift if LR	Limits
C ₅ -C ₈ Aliphatics	200	16	-1.3	±25%
C ₉ -C ₁₂ Aliphatics	200	16	-18.7	±25%
C ₉ -C ₁₀ Aromatics	200	16	18.0	±25%

MDL = Method Detection Limit

ML = Minimum Limit

RL = Reportable Limit

RPD = Relative Percent Difference

%RSD = Percent Relative Standard Deviation

CCC = Correlation Coefficient of Curve

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

FID Initial Calibration Date:

12/04/09

PID Initial Calibration Date:

12/04/09

Calibration Ranges and Limits

Range	MDL		ML		RL	
	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)
C ₅ -C ₈ Aliphatics	2.02	0.175	6.42	0.557	100	10
C ₉ -C ₁₂ Aliphatics	1.51	0.118	4.80	0.375	100	10
C ₉ -C ₁₀ Aromatics	0.902	0.132	2.87	0.420	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	Levels (mg/Kg)	%RSD if CF r if LR	Method of Quantitation
C ₅ -C ₈ Aliphatics	10	0.8	15.00	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		
C ₉ -C ₁₂ Aliphatics	10	0.8	0.99	Linear Regression
	50	4		
	100	8		
	200	16		
	500	40		
C ₉ -C ₁₀ Aromatics	10	0.8	22.39	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		

Calibration Check Date:

01/22/10

Filename:

VP012210/046F0101.d

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	%Difference if CF %Drift if LR	Limits
C ₅ -C ₈ Aliphatics	200	16	1.3	±25%
C ₉ -C ₁₂ Aliphatics	200	16	-17.3	±25%
C ₉ -C ₁₀ Aromatics	200	16	22.7	±25%

MDL = Method Detection Limit

ML = Minimum Limit

RL = Reportable Limit

RPD = Relative Percent Difference

%RSD = Percent Relative Standard Deviation

CCC = Correlation Coefficient of Curve

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & AssociatesProject Name: TT-Sites

Sample Information	
Sample Identification	TT2506-TW01
Sample Matrix	Water
Date Collected	01/18/10 11:45
Date Received	01/19/10
Date Extracted	01/19/10
Date Analyzed	01/22/10 04:35 - 01/22/10 05:03
Dry Weight	NA
Dilution Factor	1 - 1
Initial Volume (mL)	847
Final Volume (mL)	5

Analytical Results			
Analytes**	Result µg/L	Report Limit µg/L	Flags
C9-C18 Aliphatics	BQL	100	
C19-C36 Aliphatics	BQL	100	
C11-C22 Aromatics	210	100	

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	93.9		40	140
Aromatic (ortho-terphenyl)	82.7		40	140
Fractionation 1 (2-bromonaphthalene)	95.3		40	140
Fractionation 2 (2-fluorobiphenyl)	97.2		40	140

Lab Info: G128-2490-1L	Lab Info: G128-2490-1L
Aliphatic: EP012110/029F2701.D	Aromatic: EP012110/030F2801.D

Reviewed By: 

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & AssociatesProject Name: TT-Sites

Sample Information	
Sample Identification	TT2125-TW01
Sample Matrix	Water
Date Collected	01/18/10 15:00
Date Received	01/19/10
Date Extracted	01/19/10
Date Analyzed	01/22/10 05:31 - 01/22/10 08:16
Dry Weight	NA
Dilution Factor	1 - 1
Initial Volume (mL)	839
Final Volume (mL)	5

Analytical Results			
Analytes**	Result µg/L	Report Limit µg/L	Flags
C9-C18 Aliphatics	BQL	100	
C19-C36 Aliphatics	BQL	100	
C11-C22 Aromatics	BQL	100	

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	21.4	****	40	140
Aromatic (ortho-terphenyl)	90.3		40	140
Fractionation 1 (2-bromonaphthalene)	98.5		40	140
Fractionation 2 (2-fluorobiphenyl)	101		40	140

Lab Info: G128-2490-2L	Lab Info: G128-2490-2L
Aliphatic: EP012110/031F2901.D	Aromatic: EP012110/032F0101.D

Reviewed By: 

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & AssociatesProject Name: TT-Sites

Sample Information	
Sample Identification	TT2117-TW01
Sample Matrix	Water
Date Collected	01/18/10 13:00
Date Received	01/19/10
Date Extracted	01/19/10
Date Analyzed	01/22/10 19:35 - 01/22/10 20:04
Dry Weight	NA
Dilution Factor	1 - 1
Initial Volume (mL)	890
Final Volume (mL)	5

Analytical Results			
Analytes**	Result µg/L	Report Limit µg/L	Flags
C9-C18 Aliphatics	BQL	100	
C19-C36 Aliphatics	BQL	100	
C11-C22 Aromatics	379	100	

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	90.5		40	140
Aromatic (ortho-terphenyl)	76.4		40	140
Fractionation 1 (2-bromonaphthalene)	94.9		40	140
Fractionation 2 (2-fluorobiphenyl)	98.9		40	140

Lab Info: G128-2490-3L	Lab Info: G128-2490-3L
Aliphatic: EP012210/007F0401.D	Aromatic: EP012210/008F0501.D

Reviewed By: 

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & AssociatesProject Name: TT-Sites

Sample Information	
Sample Identification	TT2103-TW01
Sample Matrix	Water
Date Collected	01/18/10 14:00
Date Received	01/19/10
Date Extracted	01/19/10
Date Analyzed	01/22/10 20:32 - 01/22/10 21:00
Dry Weight	NA
Dilution Factor	1 - 1
Initial Volume (mL)	894
Final Volume (mL)	5

Analytical Results			
Analytes**	Result µg/L	Report Limit µg/L	Flags
C9-C18 Aliphatics	BQL	100	
C19-C36 Aliphatics	BQL	100	
C11-C22 Aromatics	BQL	100	

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	95.0		40	140
Aromatic (ortho-terphenyl)	82.2		40	140
Fractionation 1 (2-bromonaphthalene)	97.7		40	140
Fractionation 2 (2-fluorobiphenyl)	101		40	140

Lab Info: G128-2490-4L	Lab Info: G128-2490-4L
Aliphatic: EP012210/009F0601.D	Aromatic: EP012210/010F0701.D

Reviewed By: 

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & AssociatesProject Name: TT-Sites

Sample Information	
Sample Identification	TT2953-TW01
Sample Matrix	Water
Date Collected	01/18/10 15:30
Date Received	01/19/10
Date Extracted	01/19/10
Date Analyzed	01/22/10 21:28 - 01/22/10 21:57
Dry Weight	NA
Dilution Factor	1 - 1
Initial Volume (mL)	902
Final Volume (mL)	5

Analytical Results			
Analytes**	Result µg/L	Report Limit µg/L	Flags
C9-C18 Aliphatics	BQL	100	
C19-C36 Aliphatics	BQL	100	
C11-C22 Aromatics	293	100	

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	92.3		40	140
Aromatic (ortho-terphenyl)	89.3		40	140
Fractionation 1 (2-bromonaphthalene)	96.9		40	140
Fractionation 2 (2-fluorobiphenyl)	99.1		40	140

Lab Info: G128-2490-5L	Lab Info: G128-2490-5L
Aliphatic: EP012210/011F0801.D	Aromatic: EP012210/012F0901.D

Reviewed By: 

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 10/06/09

Calibration Ranges and Limits

Range	MDL		ML		RL	
	(02/15/08) (µg/L)	(02/11/08) (mg/Kg)	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)
C9-C18 Aliphatics	1.66	0.274	5.28	0.871	100	10
C19-C36 Aliphatics	2.79	0.201	8.87	0.639	100	10
C11-C22 Aromatics	2.64	0.110	8.40	0.350	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	Levels (mg/Kg)	%RSD if CF r if LR	Method of Quantitation
C ₉ -C ₁₈ Aliphatics	200	33.3	12.22	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		
C ₁₉ -C ₃₆ Aliphatics	200	33.3	8.95	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		
C ₁₁ -C ₂₂ Aromatics	200	33.3	3.21	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		

Calibration Check Date: 01/21/10
01/22/10Filenames: ep012110/021f1901.d
ep012110/022f2001.d

Calibration Check

Range	Levels (µg/L) (mg/Kg)	%Difference if CF %Drift if LR	Limits
C9-C18 Aliphatics	100 16.7	17.8	≤±25%
C19-C36 Aliphatics	100 16.7	20.0	≤±25%
C11-C22 Aromatics	100 16.7	3.5	≤±25%

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable LimitRPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 10/06/09

Calibration Ranges and Limits

Range	MDL		ML		RL	
	(02/15/08) (µg/L)	(02/11/08) (mg/Kg)	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)
C9-C18 Aliphatics	1.66	0.274	5.28	0.871	100	10
C19-C36 Aliphatics	2.79	0.201	8.87	0.639	100	10
C11-C22 Aromatics	2.64	0.110	8.40	0.350	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	Levels (mg/Kg)	%RSD if CF r if LR	Method of Quantitation
C ₉ -C ₁₈ Aliphatics	200	33.3	12.22	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		
C ₁₉ -C ₃₆ Aliphatics	200	33.3	8.95	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		
C ₁₁ -C ₂₂ Aromatics	200	33.3	3.21	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		

Calibration Check Date: 01/22/10
01/22/10Filenames: ep012210/002f0201.d
ep012210/001f0101.d

Calibration Check

Range	Levels (µg/L) (mg/Kg)	%Difference if CF %Drift if LR	Limits
C9-C18 Aliphatics	100 16.7	17.4	±25%
C19-C36 Aliphatics	100 16.7	18.8	±25%
C11-C22 Aromatics	100 16.7	-1.1	±25%

MDL = Method Detection Limit

ML = Minimum Limit

RL = Reportable Limit

RPD = Relative Percent Difference

%RSD = Percent Relative Standard Deviation

CCC = Correlation Coefficient of Curve

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 10/06/09

Calibration Ranges and Limits

Range	MDL		ML		RL	
	(02/15/08) (µg/L)	(02/11/08) (mg/Kg)	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)
C9-C18 Aliphatics	1.66	0.274	5.28	0.871	100	10
C19-C36 Aliphatics	2.79	0.201	8.87	0.639	100	10
C11-C22 Aromatics	2.64	0.110	8.40	0.350	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	Levels (mg/Kg)	%RSD if CF r if LR	Method of Quantitation
C ₉ -C ₁₈ Aliphatics	200	33.3	12.22	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		
C ₁₉ -C ₃₆ Aliphatics	200	33.3	8.95	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		
C ₁₁ -C ₂₂ Aromatics	200	33.3	3.21	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		

Calibration Check Date: 01/22/10
01/23/10Filenames: ep012210/025f2201.d
ep012210/026f2301.d

Calibration Check

Range	Levels (µg/L) (mg/Kg)	%Difference if CF %Drift if LR	Limits
C9-C18 Aliphatics	100 16.7	-3.7	±25%
C19-C36 Aliphatics	100 16.7	8.6	±25%
C11-C22 Aromatics	100 16.7	1.3	±25%

MDL = Method Detection Limit

ML = Minimum Limit

RL = Reportable Limit

RPD = Relative Percent Difference

%RSD = Percent Relative Standard Deviation

CCC = Correlation Coefficient of Curve



- Alaska
- New Jersey
- North Carolina

Locations Nationwide

- Maryland
- New York
- Ohio

www.us.sgs.com

White - Retained by Lab
Pink - Retained by Client

APPENDIX E

BORING LOG, WELL CONSTRUCTION AND WELL ABANDONMENT RECORD

WELL LOG

CATLIN
Engineers and Scientists

209-112
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 209-112	STATE: NC	COUNTY: Onslow	LOCATION: Jacksonville
PROJECT NAME: Tarawa Terrace Sites		LOGGED BY: Steve Tyler	WELL ID: TT2953-TW01
NORTHING: 3846465.6		EASTING: 282297.3	CREW: NA
SYSTEM: UTM-WGS 84 (m)		BORING LOCATION: Tarawa Terrace	T.O.C. ELEV.: NM
DRILL MACHINE: CME 45B ATV		METHOD: HSA	0 HOUR DTW: 10.5
START DATE: 1/13/10		FINISH DATE: 1/13/10	24 HOUR DTW: 10.4
			TOTAL DEPTH: 15.0
			WELL DEPTH: 14.0

DEPTH	BLOW COUNT				OVA (ppm)	LAB.	MOIS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	WELL DETAIL
6in	6in	6in	6in								
									0.0	LAND SURFACE	1.0
										(SM) - Olive gray, Silty f. SAND to Sandy SILT. Fill.	4.0
									7.5		
										(SM) - Dark gray, Silty f. SAND to Sandy SILT. Grades to a lighter gray with depth. Native.	9.0
											14.0
									15.0	Boring Terminated at Depth 15.0 ft	14.0

 Bentonite Pellets  #2 Medium Sand

CATLIN BORING LOG 209-112 TT-209S-POND-DRAINAGE.GPJ CATLIN.GDT 2/11/10



Non RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2927

1. WELL CONTRACTOR:

William J. Miller

Well Contractor (Individual) Name

CATLIN Engineers and Scientists

Well Contractor Company Name

220 Old Dairy Road

Street Address

Wilmington

North Carolina

28405

City or Town

State

Zip Code

(910) - 452-5861

Area code - Phone number

2. WELL INFORMATION

WELL CONSTRUCTION PERMIT #: N/A

OTHER ASSOCIATED PERMIT # (if applicable): N/A

SITE WELL ID # (if applicable) TT2953-TW01

3. WELL USE (Check One Box): Monitoring ☒ Municipal/Public ☐

Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐

Irrigation ☐ Other ☐ (list use):

DATE DRILLED: January 13, 2010

4. WELL LOCATION:

Tarawa Terrace Housing Area

(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: Jacksonville

COUNTY: Onslow

TOPOGRAPHIC / LAND SETTING (check appropriate box)

☐ Slope ☐ Valley ☒ Flat ☐ Ridge ☐ Other: _____

LATITUDE: 34.73708389 DD

LONGITUDE: 77.37791792 DD

Latitude/longitude source: ☒ GPS ☐ Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

5. FACILITY (Name of the business where the well is located.)

N/A

N/A

Facility Name

Facility ID # (if applicable)

Tarawa Terrace Housing Area

Street Address

Jacksonville

NC

City or Town

State

Zip Code

Mr. Nick Schultz

Contact Name

Attn: I&E/ EMD/ EQB/ PSC Box 20004

Mailing Address

Camp Lejeune

NC

28542-0004

City or Town

State

Zip Code

(910)- 451-5068

Area code - Phone number

6. WELL DETAILS:

a. TOTAL DEPTH: 14

b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒

c. WATER LEVEL Below Top of Casing: 10.42 FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 1 FT. Above Land Surface*

* Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C.0118.

e. YIELD (gpm): N/A METHOD OF TEST: N/A

f. DISINFECTION: Type N/A Amount: N/A

g. WATER ZONES (depth):

Top _____ Bottom _____ Top _____ Bottom _____

Top _____ Bottom _____ Top _____ Bottom _____

Top _____ Bottom _____ Top _____ Bottom _____

7. CASING:

Depth Diameter Thickness/Weight Material

Top 0 Bottom 9 Ft. 1 in. Sch. 40 PVC

Top _____ Bottom _____ Ft. _____ in. _____

Top _____ Bottom _____ Ft. _____ in. _____

8. GROUT:

Depth Material Method

Top _____ Bottom _____ Ft. _____

Top 2 Bottom 4 Ft. _____

Top _____ Bottom _____ Ft. _____

9. SCREEN:

Depth Diameter Slot Size Material

Top 9 Bottom 14 Ft. 1 in. Slot .010 in. PVC

Top _____ Bottom _____ Ft. _____ in. _____ in. _____

Top _____ Bottom _____ Ft. _____ in. _____ in. _____

10. SAND/GRAVEL PACK:

Depth Size Material

Top 4 Bottom 14 Ft. #2 Medium Torpedo Sand

Top _____ Bottom _____ Ft. _____

Top _____ Bottom _____ Ft. _____

11. DRILLING LOG

Top Bottom Formation Description

SEE ATTACHED

12. REMARKS:

TEMPORARY TYPE II Abandoned subsequent to sampling.

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

William J. Miller
PRINTED NAME OF PERSON CONSTRUCTING THE WELL



WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2927

CATLIN PROJECT NO. 209-112

1. WELL CONTRACTOR:

William J. Miller

Well Contractor (Individual) Name

CATLIN Engineers and Scientists

Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington

North Carolina

28405

City or Town

State

Zip Code

(910) - 452-5861

Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): TT2953-TW01

STATE WELL PERMIT # (if applicable): N.A.

COUNTY WELL PERMIT # (if applicable): N.A.

DWQ or OTHER PERMIT # (if applicable):

WELL USE (Check Applicable Box): Monitoring ☒ Residential ☐

Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐

Recovery ☐ Injection ☐ Irrigation ☐

Other (list use):

3. WELL LOCATION:

COUNTY: Onslow

QUADRANGLE:

NEAREST TOWN: Jacksonville

Tarawa Terrace Housing Area

(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING

Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other: _____

LATITUDE: 34.73708389

LONGITUDE: 77.37791792

May be in degrees, minutes, seconds, or in a decimal

Latitude/longitude source: ☒ GPS ☐ Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b.
(If a residential well, skip 4a; complete 4b, well owner information only)

FACILITY ID # (if applicable) Not Applicable

NAME OF FACILITY:

STREET ADDRESS: Tarawa Terrace Housing Area

Jacksonville

North Carolina

City or Town

State

Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Nick Schultz

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune

NC

28542-0004

City or Town

State

Zip Code

(910) 451-5068

Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 14 ft. Diameter: 1 in.

b. Water Level (Below Measuring Point): 10.42 ft.

Measuring point is 1.0 ft. above land surface

6. CASING:

Length

Diameter

a. Casing Depth (if known): 9 ft. 1 in.

b. Casing Removed: 5 ft. 1 in.

7. DISINFECTION: N/A

(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement

Cement _____ lb.

Water _____ gal.

Sand Cement

Cement _____ lb.

Water _____ gal.

Bentonite

Bentonite 80 lb.

Type: Slurry _____ Pellets ☒

Water _____ gal.

Other

Type material _____

Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Pulled well screen and casing, backfilled hole with bentonite pellets.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 1/18/2010

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR

DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL

DATE

(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C 0113)

William J. Miller

PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from
Form GW-30
Rev. 5/06