



Post Office Box 10279
Wilmington, NC 28404-0279

Phone (910) 452-5861
Fax (910) 452-7563
www.catlinusa.com

January 5, 2010

NAVFAC Mid-Atlantic
Marine Corps North Carolina IPT
Environmental Business Line
Code: OPNCEV
Attn: Mr. Dave Borton, PG
6506 Hampton Blvd.
Bldg. C, Room 314
Norfolk, VA 23508-1278

Re: *TT-2969 UST Closure Report Addendum (FINAL)*
Tarawa Terrace
Marine Corps Base
Camp Lejeune, North Carolina
Contract No. N62470-D-05-6200
Delivery Order No. 0070
CATLIN Project No. 209-025

Dear Mr. Borton:

CATLIN Engineers and Scientists (CATLIN) presents the following information as an *Underground Storage Tank Closure Report Addendum* for the previously submitted (July 31, 2009) *TT-2969 Underground Storage Tank Closure Report (UST Closure Report)*. The activities and data described and provided herein are supplied to supplement the *UST Closure Report* and request No Further Action Status.

UST CLOSURE SUMMARY

On May 7, 2009, a UST and petroleum impacted soils were removed from the TT-2969 site. As documented in the above referenced *UST Closure Report*, laboratory analysis detected Total Petroleum Hydrocarbon (TPH) concentrations greater than the 10 milligrams per kilogram (mg/kg) Action Level in the UST closure soil sample TT-2969-B and all four (4) of the excavation confirmation sidewall soil samples (TT-2969-1 through TT-2969-4). Three (3) of the soil samples, TT-2969-B (collected from beneath the removed tank), TT-2969-2, and TT-2969-4 (collected from the soil excavation sidewalls), revealed concentrations of the Massachusetts Department of Environmental Protection (MADEP) extractable and volatile petroleum hydrocarbons (EPH and VPH) above the Soil-to-Groundwater (STGW) and Residential Maximum Soil Contaminant Concentrations (MSCCs). No soil samples were submitted for volatile and semi-volatile organics analysis per Environmental Protection Agency (EPA) Methods 8260 and 8270. The petroleum impacted soils revealed beneath the

tank, in the TT-2969-B soil sample (at approximately 6.5 feet deep), were excavated to the apparent water table (approximately eight feet deep). No groundwater samples were collected during the UST closure and soil removal activities.

It was recommended that following the demolition of building TT-2969, the residual, petroleum impacted soils be delineated, excavated, and properly disposed. Following the subsequent excavation and soil disposal, additional sidewall confirmation soil samples were recommended for laboratory analysis per Risk-Based Methods (EPA Methods 8260 and 8270 and MADEP EPH and VPH). Subsequent to additional soil removal, a permanent groundwater monitoring well was recommended to be installed at the former UST basin, sampled, and the groundwater sample submitted for laboratory analysis per Risk Based methods.

Building TT-2969 has been demolished and the recommended soil removal and sampling (soil and groundwater) has been completed and described herein.

OVER-EXCAVATION SUMMARY

TMS Envirocon, Inc. (TMS) personnel and equipment mobilized to site and completed over-excavation activities on October 29, 2009. The approximate, previous excavation limits were identified and the clean backfill (placed following UST removal) was excavated and stockpiled adjacent to the former tank basin area.

Additional soil excavation limits are illustrated on Figures 1 and 2 based on information provided by TMS. TMS indicated overall excavation limits measured 29 feet by 20 feet by 9.5 feet deep. Based on the subsequent groundwater investigation detailed below, it was determined that the soil sample TT-2969-B-9.5 collected from the excavation floor was below the water table and not reflective of vadose zone soil conditions.

Based on the excavation limits described by TMS during the UST closure and subsequent over-excavation/soil removal, approximately 190 cubic yards of soil were removed during this phase. The excavated soils were properly stockpiled (temporarily) and are awaiting transportation to the P&F Land Farming Facility, Permit# SR0500106, in Whitakers, NC for proper disposal. The excavation was backfilled with clean fill material to initial land surface level.

Field Screening

According to TMS personnel, a photo-ionization detector (PID) was utilized to screen soils for potential petroleum contamination. Obvious indicators of petroleum impacted soils including staining and petroleum odor were also noted. Periodic grab samples were screened with the PID and excavation activities continued laterally until there were no indications of petroleum impacted soils. Excavation activities ceased vertically when saturated soils were encountered at roughly 9.5 feet below land surface (BLS). Excavation

limits are illustrated on Figure 1.

Soil Sampling

One soil sample was collected from each of the excavation sidewalls when no indications of petroleum impact were noted. Excavation confirmation sidewall soil samples were collected from approximately five (5) feet BLS and were identified: TT-2969-1, TT-2969-2, TT-2969-3, and TT-2969-4. Soil sample TT-2969-B-9.5 was obtained from the bottom of the excavation and beneath the former tank location at 9.5 feet BLS. As previously mentioned, the TT-2969-B-9.5 soil sample was apparently taken below the water table.

The soil sample locations are illustrated on Figure 1. The exact sample times and date (October 29, 2009) are indicated on the chain-of-custody following the attached laboratory report.

It is reported that all soil samples were 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 samples were transferred to a Pace Analytical Services, Inc. (Pace, NC Certification #5342) courier following proper chain-of-custody protocol and submitted for TPH Diesel and Gasoline Range Organics (DRO and GRO) analysis per EPA Method 8015, volatile and semi-volatile organics analysis per EPA Methods 8260, 8270, and MADEP EPH and VPH. According to Pace, the semi-volatile organics analysis per EPA Method 8270 was subcontracted to Analytical Services, Inc (ASI).

Laboratory Results

The complete laboratory analytical reports are attached and the summarized results are provided on Tables 1 through 3. Summarized results are also illustrated on Figure 1. The TT-2969-B-9.5 soil sample results are provided; but, soils at 9.5 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 1. No TPH GRO or DRO concentrations were detected above the laboratory reporting limit in the excavation confirmation sidewall samples (TT-2969-1 through TT-2969-4). The TT-2969-B-9.5 soil sample revealed 191 mg/kg GRO and 9,560 mg/kg DRO.

The laboratory results per EPA Methods 8260 and 8270 are summarized on Table 2. No EPA Method 8260 or 8270 parameters were detected above the laboratory reporting limits or lowest corresponding MSCC in the excavation confirmation sidewall samples (TT-2969-1 through TT-2969-4). The TT-2969-B-9.5 soil sample revealed numerous compound concentrations above the

laboratory reporting limits but none of which were above the established Residential MSCCs. However, there are no established MSCCs for p-Isopropyltoluene or 1-Methylnaphthalene, which were detected at concentrations of 6,780 micrograms per kilogram (ug/kg) and 31,000 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 6,780 ug/kg and 31,000 ug/kg respectively are both below the C9-C22 Aromatic hydrocarbon fraction Soil-to-Groundwater (lowest) MSCC of 34,000 ug/kg.

The MADEP EPH and VPH laboratory results are summarized on Table 3. No MADEP EPH or VPH concentrations were detected above the laboratory reporting limit and lowest corresponding MSCC except in the TT-2969-B-9.5 sample. The TT-2969-B-9.5 sample revealed concentrations of all the MADEP hydrocarbon fractions except C5-C8 Aliphatics. The combined C9-C22 Aromatics result was 2,353 mg/kg and is above the Residential MSCC of 469 mg/kg.

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 TT2969-TW01 was designed and constructed in accordance with accepted standards and practices. The well was installed, sampled and abandoned under applicable licensing and documentation requirements.

Well Installation

CATLIN personnel and equipment mobilized to the site on December 8, 2009. Boring advancement for temporary well installation was conducted at the site by Direct Push Technology (DPT) using an AMS PowerProbe™ 9600D (PowerProbe). When using the PowerProbe, a boring is advanced to depth by static force and a 90-pound hydraulic percussion hammer. Two and one-quarter inch diameter by four-foot length steel is used as casing. Soil samples are continuously collected in one and one-half inch clear liners. Liners are removed from the casing and then cut in half longitudinally to allow for visual/manual classification utilizing the Unified Soil Classification System (USCS). After classifying soil samples (cuttings) were containerized in a Department of Transportation (DOT) approved 55-gallon drum.

Following TT2969-TW01 boring termination at 12 feet BLS, a 10 foot long

piece of one-inch diameter Poly Vinyl Chloride (PVC) well screen (0.010-inch slot) was placed in the bore hole with a five foot long piece of one-inch diameter PVC riser extending approximately 3.3 feet above the ground surface. The annular space was filled with medium sand pack from the bottom of the well to approximately one foot above the well screen and then bentonite chips to within one foot of the ground surface. The bentonite chips were poured from the surface while simultaneously pouring water to facilitate hydration. The depth to groundwater (DTW) immediately following well construction was noted in the field at approximately eight (8) feet BLS.

Groundwater Sampling

The DTW was gauged before groundwater sampling activities on December 14, 2009 and measured at 11.24 feet below the top of casing (approximately 7.9 feet BLS). Following DTW gauging, approximately two (2) 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 North America, Inc (SGS, NC Certification #481) and submitted for Risk Based analysis per EPA Methods 602 and 625 and MADEP EPH/VPH following chain-of-custody protocol (see attached following the SGS laboratory report).

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 copies of the attached Well Construction Record and Well Abandonment Record that were submitted along with a letter dated December 17, 2009 to the North Carolina Department of Environment and Natural Resources (NCDENR). The temporary well and groundwater sample location is illustrated on Figure 2.

Laboratory Results

The complete laboratory analytical reports are attached and summarized results are provided on Tables 4 and 5. Summarized results are also illustrated on Figure 2.

The TT2969-TW01 groundwater sample did not reveal any compound concentrations greater than the established Gross Contaminant Levels (GCLs). Benzene was reported at 1.37 micrograms per liter (ug/L), which is above the NCAC T15A:02L Groundwater Quality Standard (2L GWQS) of 1 ug/L. Naphthalene was revealed at 44.5 ug/L, which is above the 2L GWQS of 6 ug/L effective January 2010. The combined MADEP C9-C18 Aliphatics and C9-C22 Aromatics hydrocarbon fractions were detected above the corresponding 2L GWQS of 700 ug/L and 200 ug/L respectively at

concentrations of 7,158 ug/L and 3,255 ug/L, respectively. There are no established GCLs for MADEP EPH/VPH. No other compound concentrations were detected above the current or January 2010 2L GWQSs.

CONCLUSIONS AND RECOMMENDATIONS

The petroleum impacted soils revealed during the TT-2969 tank removal and documented in the previously submitted *UST Closure Report* (dated July 31, 2009) have been removed. Approximately 190 cubic yards of soil were removed during the recent, over-excavation/remediation efforts. Excavation confirmation sidewall soil samples (four) did not reveal any contaminant concentrations above the laboratory reporting limits or lowest corresponding MSCCs. The excavation floor sample (TT-2969-B-9.5) revealed hydrocarbon fractions per MADEP analysis at concentrations above the established Residential MSCCs, however, the TT-2969-B-9.5 was collected from saturated soils beneath the water table are not considered indicative of vadose zone soils. Soils at 9.5 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 TT2969-TW01 sample indicated all compound concentrations below the established GCLs. Benzene, Naphthalene, the C9-C18 Aliphatics and C9-C22 Aromatics hydrocarbon fraction concentrations were reported in the TT2969-TW01 groundwater above the (current or effective January 2010) corresponding 2L GWQS.

The TT-2969 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, a Notice of Residual Petroleum (NRP) for groundwater is recommended 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 meet the requirement for No Further Action.

CATLIN Engineers and Scientists appreciates the opportunity to continue to provide services to NAVFAC Mid-Atlantic and the MCB on your environmental projects.



Benjamin J. Ashba
Project Scientist

BJA/MEM/ba
Enclosures



Michael E. Mason, PE
Program Manager



cc: Commanding Officer, Attn: Director I&E/EMD/EQB
Ms. Susan Tsimpinos, NAVFAC Mid-Atlantic – Contract Specialist (correspondence only)

ATTACHMENTS

TABLES

TABLE 1
SUMMARY OF SOIL LABORATORY RESULTS
EPA METHOD 8015

Incident Name and No.: TT-2969 - Pending

Sample ID	Contaminant of Concern →		Gasoline Range Organics	Diesel Range Organics
	Date Collected	Sample Depth (ft. BLS)		
TT-2969-B-9.5	10/29/2009	9.5	191	9,560
TT-2969-1	10/29/2009	5	<5.3	<6.2
TT-2969-2	10/29/2009	5	<5.5	<6.2
TT-2969-3	10/29/2009	5	<6.1	<6.5
TT-2969-4	10/29/2009	5	<5.4	<6.2
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 concentration above the NCDENR Action Level.

TABLE 2
SUMMARY OF SOIL LABORATORY RESULTS
EPA METHODS 8260 AND 8270

Incident Name and No.: TT-2969 - Pending

Sample ID	Analytical Method →		EPA Method 8260											EPA Method 8270							
	Contaminant of Concern →		n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	Isopropyl benzene (Cumene)	p-Isopropyltoluene	Naphthalene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylenes	All other EPA Method 8260 Parameters*	Acenaphthene	Fluorene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene	1-Methylnaphthalene	All other EPA Method 8270 Compounds*
	Date Collected	Sample Depth (ft. BLS)																			
TT-2969-B-9.5	10/29/09	9.5	4,630	3,350	3,230	1,870	6,780	24,500	3,850	30,900	9,250	16,100	BRL	2,200	3,600	49,000	14,000	9,800	1,200	31,000	BRL
TT-2969-1	10/29/09	5	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	BRL	<420	<420	<420	<420	<420	<420	<420	BRL
TT-2969-2	10/29/09	5	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<9.1	BRL	<420	<420	<420	<420	<420	<420	<420	BRL
TT-2969-3	10/29/09	5	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<9.5	BRL	<410	<410	<410	<410	<410	<410	<410	BRL
TT-2969-4	10/29/09	5	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<8.8	BRL	<410	<410	<410	<410	<410	<410	<410	BRL
Residential MSCC			626,000	626,000	1,560,000	1,564,000	NE	313,000	626,000	782,000	782,000	3,129,000	Varies	940,000	620,000	63,000	313,000	469,000	469,000	NE	Varies
Industrial/Commercial MSCC			16,350,000	16,350,000	40,000,000	40,880,000	NE	8,176,000	16,350,000	20,440,000	20,440,000	81,760,000	Varies	24,000,000	16,400,000	1,635,000	8,176,000	12,264,000	12,264,000	NE	Varies
Soil to Groundwater MSCC			4,300	3,300	4,600	1,700	NE	580	1,700	7,500	7,300	5,000	Varies	8,200	44,000	1,700	580	60,000	290,000	NE	Varies

All results and Maximum Soil Contaminant Concentrations (MSCCs) in micrograms per kilogram (ug/kg).
BRL = Below Reporting Limit
ft. BLS = Feet Below Land Surface
< = Less than Reporting Limit
* = Refer to analytical report for a complete list of parameters/compounds and reporting limits.
NE = None Established

TABLE 3
SUMMARY OF SOIL LABORATORY RESULTS
MADEP EPH AND VPH

Incident Name and No.: TT-2969 - 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-2969-B-9.5	10/29/2009	9.5	6,420	1,980	2,250	<9.3	251	103	<9.3	6,671	1,980	2,353
TT-2969-1	10/29/2009	5	<12.4	<12.4	<12.4	<8.8	<8.8	<8.8	<8.8	<21.2	<12.4	<21.2
TT-2969-2	10/29/2009	5	<12.4	<12.4	<12.4	<9.2	<9.2	<9.2	<9.2	<21.6	<12.4	<21.6
TT-2969-3	10/29/2009	5	<12.9	<12.9	<12.9	<10.2	<10.2	<10.2	<10.2	<23.1	<12.9	<23.1
TT-2969-4	10/29/2009	5	<12.4	<12.4	<12.4	<8.9	<8.9	<8.9	<8.9	<21.3	<12.4	<21.3
Residential MSCC (mg/kg)									939	9,386	93,860	469
Industrial/Commercial MSCC (mg/kg)									24,528	245,280	#	12,264
Soil to Groundwater MSCC (mg/kg)									72	3,300	##	34

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

ft. BLS = Feet Below Land Surface

< = Less than reporting limit

MSCC = Maximum Soil Contaminant Concentration

= Health-Based Level (>100%)

= Considered Immobile

Bold results indicate concentration above the Residential MSCC.

TABLE 4
SUMMARY OF GROUNDWATER LABORATORY RESULTS
EPA METHODS 602 AND 625

Incident Name and No.: TT-2969 - Pending

Well ID	Analytical Method →		EPA Method 602					EPA Method 625				
	Contaminant of Concern →		Benzene	Ethylbenzene	Toluene	Total Xylenes	All other EPA Method 602 Compounds*	Acenaphthene	Fluorene	Naphthalene	Phenanthrene	All other EPA Method 625 Compounds*
	Date Collected	Sample ID										
TT2969-TW01	12/14/2009	TT2969-TW01	1.37	10.5	0.723 J	34.0	BMDL	3.39 J	7.81	44.5	9.05	BMDL
GCL (ug/L)			5,000	84,500	257,500	87,500	Varies	2,120	950	15,500	410	Varies
2L GWQS (ug/L)			1	600	600	500	Varies	80	300	6	200	Varies

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

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 5
SUMMARY OF GROUNDWATER LABORATORY RESULTS
MADEP EPH AND VPH

Incident Name and No.: TT-2969 - 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										
TT2969-TW01	12/14/2009	TT2969-TW01	6970	1670	2780	<100	188	475	<100	7,158	1,670	3,255
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.

FIGURES

SUMMARY OF SOIL LABORATORY RESULTS
EPA METHODS 8260 AND 8270

Incident Name and No.: TT-2969 - Pending

Sample ID	Analytical Method →		EPA Method 8260											EPA Method 8270										
	Contaminant of Concern →		n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	Isopropyl benzene (Cumene)	p-Isopropyltoluene	Naphthalene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylenes	All other EPA Method 8260 Parameters*	Acenaphthene	Fluorene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene	1-Methylnaphthalene	All other EPA Method 8270 Compounds*			
																						Date Collected	Sample Depth (ft. BLS)	
TT-2969-B-9.5	10/29/09	9.5	4,630	3,350	3,230	1,870	6,780	24,500	3,850	30,900	9,250	16,100	BRL	2,200	3,600	49,000	14,000	9,800	1,200	31,000	BRL			
TT-2969-1	10/29/09	5	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	BRL	<420	<420	<420	<420	<420	<420	<420	BRL			
TT-2969-2	10/29/09	5	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<9.1	BRL	<420	<420	<420	<420	<420	<420	<420	BRL			
TT-2969-3	10/29/09	5	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<9.5	BRL	<410	<410	<410	<410	<410	<410	<410	BRL			
TT-2969-4	10/29/09	5	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<8.8	BRL	<410	<410	<410	<410	<410	<410	<410	BRL			
Residential MSCC			626,000	626,000	1,560,000	1,564,000	NE	313,000	626,000	782,000	782,000	3,129,000	Varies	940,000	620,000	63,000	313,000	469,000	469,000	NE	Varies			
Industrial/Commercial MSCC			16,350,000	16,350,000	40,000,000	40,880,000	NE	8,176,000	16,350,000	20,440,000	20,440,000	81,760,000	Varies	24,000,000	16,400,000	1,635,000	8,176,000	12,264,000	12,264,000	NE	Varies			
Soil to Groundwater MSCC			4,300	3,300	4,600	1,700	NE	580	1,700	7,500	7,300	5,000	Varies	8,200	44,000	1,700	580	60,000	290,000	NE	Varies			

SUMMARY OF SOIL LABORATORY RESULTS
EPA METHOD 8015

Incident Name and No.: TT-2969 - Pending

Sample ID	Contaminant of Concern →		Gasoline Range Organics	Diesel Range Organics
	Date Collected	Sample Depth (ft. BLS)		
TT-2969-B-9.5	10/29/2009	9.5	191	9,560
TT-2969-1	10/29/2009	5	<5.3	<6.2
TT-2969-2	10/29/2009	5	<5.5	<6.2
TT-2969-3	10/29/2009	5	<6.1	<6.5
TT-2969-4	10/29/2009	5	<5.4	<6.2
NCDENR Action Level (mg/kg)			10	10

SUMMARY OF SOIL LABORATORY RESULTS
MADEP EPH AND VPH

Incident Name and No.: TT-2969 - 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-2969-B-9.5	10/29/2009	9.5	6,420	1,980	2,250	<9.3	251	103	<9.3	6,671	1,980	2,353
TT-2969-1	10/29/2009	5	<12.4	<12.4	<12.4	<8.8	<8.8	<8.8	<8.8	<21.2	<12.4	<21.2
TT-2969-2	10/29/2009	5	<12.4	<12.4	<12.4	<9.2	<9.2	<9.2	<9.2	<21.6	<12.4	<21.6
TT-2969-3	10/29/2009	5	<12.9	<12.9	<12.9	<10.2	<10.2	<10.2	<10.2	<23.1	<12.9	<23.1
TT-2969-4	10/29/2009	5	<12.4	<12.4	<12.4	<8.9	<8.9	<8.9	<8.9	<21.3	<12.4	<21.3
Residential MSCC (mg/kg)									939	9,386	93,860	469
Industrial/Commercial MSCC (mg/kg)									24,528	245,280	#	12,264
Soil to Groundwater MSCC (mg/kg)									72	3,300	##	34

mg/kg = milligrams per kilogram
All EPA Method 8260 and 8270 Results and Maximum Soil Contaminant Concentrations (MSCCs) in micrograms per kilogram (ug/kg).
ft. BLS = Feet Below Land Surface
BRL = Below Reporting Limit
NE = None Established
< = Less than reporting limit
= Health-Based Level (>100%)
= Considered Immobile
* = Refer to analytical report for a complete list of parameters/compounds and reporting limits.
Bold results indicate concentration above the NCDENR Action Level or Residential MSCC.



UST CLOSURE REPORT ADDENDUM
SITE TT-2969
MARINE CORPS BASE
CAMP LEJEUNE, NC



LEGEND

- NEW**
- Tank Excavation Area
 - Soil Sample Location
 - Temporary Well Location
- FORMER**
- Tank Excavation Area
 - Soil Sample Location
 - Former Buildings and Structures
 - Slabs
 - Driveways
 - Parking Lots
 - Woods

NOTES

- Data layers provided by MCB Camp Lejeune GIS office.
- Excavation dimensions were approximately 29 feet by 20 feet by 9.5 feet deep.
- Excavation boundary and soil sample locations based on site sketch provided by TMS personnel.

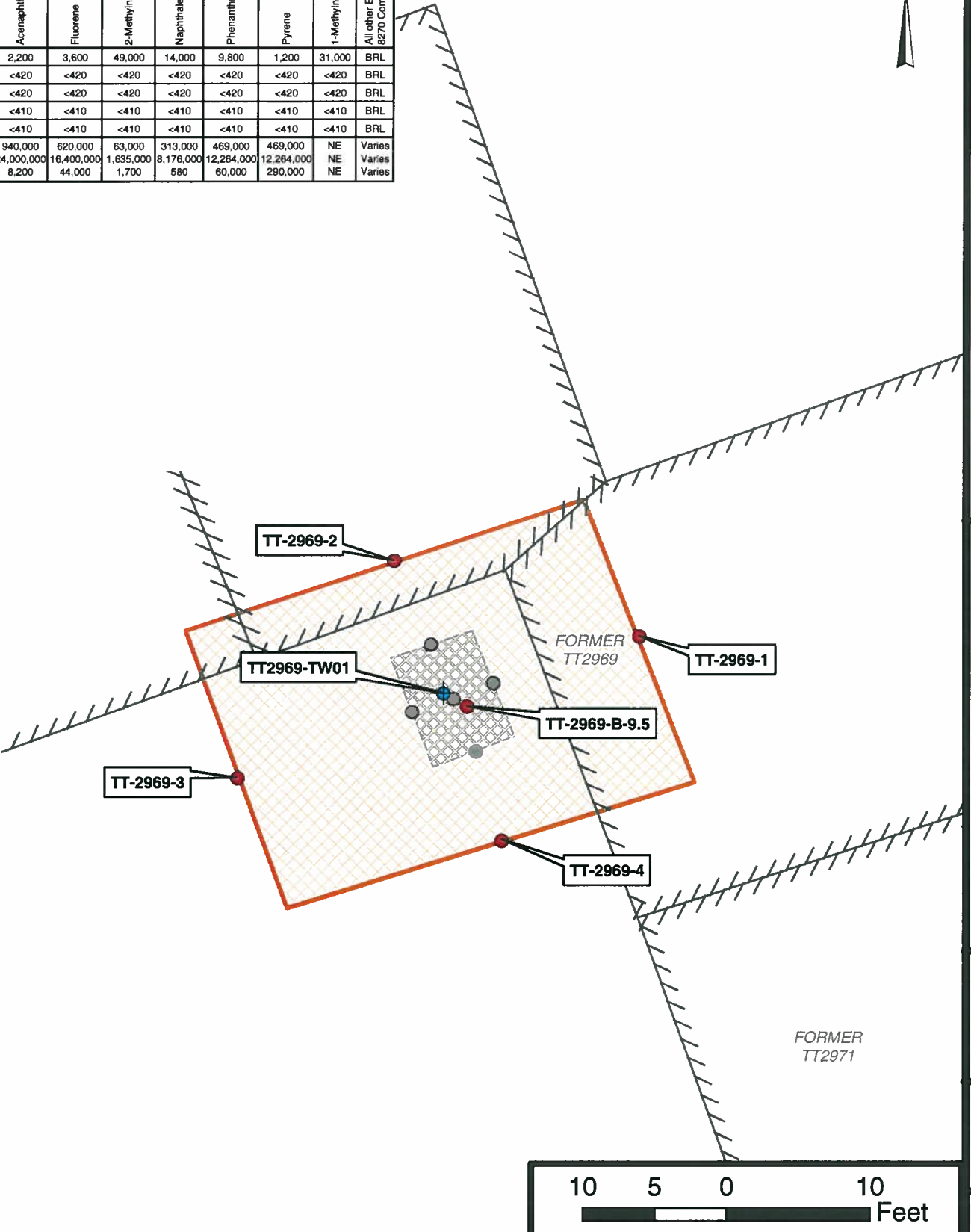


SITE MAP WITH SOIL
LABORATORY RESULTS

FIGURE

1

Job No.: 209-025 Date: JAN 2010 Scale: AS SHOWN Drawn By: SAC Checked By: BA



SUMMARY OF GROUNDWATER LABORATORY RESULTS
EPA METHODS 602 AND 625

Incident Name and No.: TT-2969 - Pending

Well ID	Analytical Method →		EPA Method 602					EPA Method 625				
	Contaminant of Concern →		Benzene	Ethylbenzene	Toluene	Total Xylenes	All other EPA Method 602 Compounds*	Acenaphthene	Fluorene	Naphthalene	Phenanthrene	All other EPA Method 625 Compounds
	Date Collected	Sample ID										
TT2969-TW01	12/14/2009	TT2969-TW01	1.37	10.5	0.723 J	34.0	BMDL	3.39 J	7.81	44.5	9.05	BMDL
GCL (ug/L)			5,000	84,500	257,500	87,500	Varies	2,120	950	15,500	410	Varies
2L GWQS (ug/L)			1	600	600	500	Varies	80	300	6	200	Varies

SUMMARY OF GROUNDWATER LABORATORY RESULTS
MADEP EPH AND VPH

Incident Name and No.: TT-2969 - 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										
TT2969-TW01	12/14/2009	TT2969-TW01	6970	1670	2780	<100	188	475	<100	7,158	1,670	3,255
GCL (ug/L)									NE	NE	NE	NE
2L GWQS (ug/L)									400	700	10,000	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
BMDL = Below Method Detection Limit
J = Estimated concentration, below calibration range and above method detection limits (MDLs)
Bold results indicate concentrations above 2L GWQS or GCL.
* = Refer to analytical report for a complete list of compounds and MDLs.



UST CLOSURE REPORT ADDENDUM
SITE TT-2969
MARINE CORPS BASE
CAMP LEJEUNE, NC



LEGEND

- NEW**

 - Tank Excavation Area
 - Soil Sample Location
 - Temporary Well Location
- FORMER**

 - Tank Excavation Area
 - Soil Sample Location
- Former Buildings and Structures
 - Slabs
 - Driveways
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NOTES

- Data layers provided by MCB Camp Lejeune GIS office.
- Excavation dimensions were approximately 29 feet by 20 feet by 9.5 feet deep.
- Excavation boundary and soil sample locations based on site sketch provided by TMS personnel.

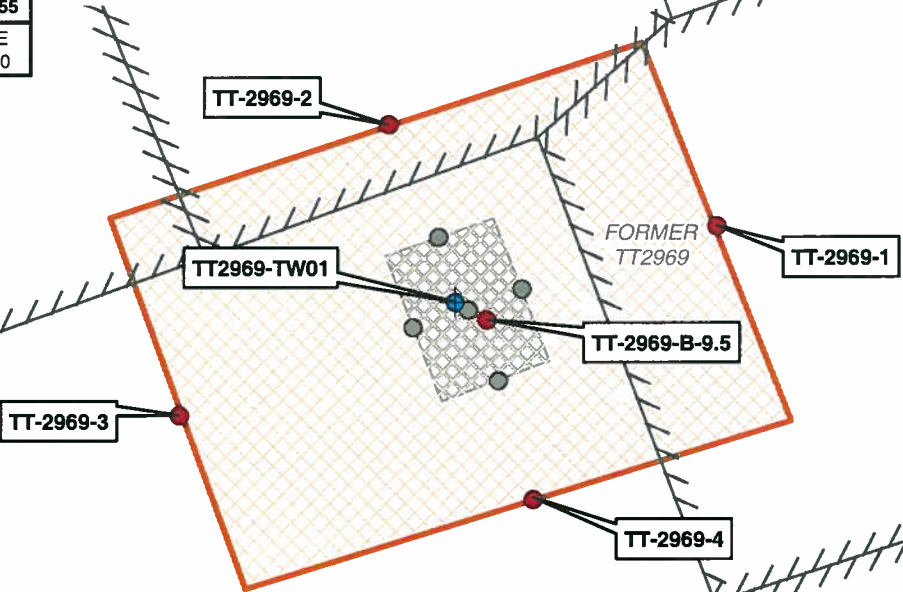


SITE MAP WITH
GROUNDWATER LABORATORY
RESULTS

FIGURE

2

Job No.: 209-025	Date: JAN 2010	Scale: AS SHOWN	Drawn By: SAC	Checked By: BA
---------------------	-------------------	--------------------	------------------	-------------------



APPENDICES

**LABORATORY ANALYTICAL RESULTS AND
CHAIN-OF-CUSTODY DOCUMENTATION**



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

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

November 19, 2009

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

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

Dear Rob Finley:

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

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

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

Sincerely,

Ashley Nifong

ashley.nifong@pacelabs.com
Project Manager

Enclosures

cc: Mike Rohrer, MEC Corp.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.

2225 Riverside Dr.

Asheville, NC 28804

(828)254-7176

Pace Analytical Services, Inc.

9800 Kinney Ave. Suite 100

Huntersville, NC 28078

(704)875-9092

CERTIFICATIONS

Project: TT-II Tank Yank

Pace Project No.: 9256476

Charlotte Certification IDs

9800 Kinney Ave. - Ste 100 Huntersville, NC 28078

Connecticut Certification #: PH-0104

Virginia Certification #: 00213

Tennessee Certification #: 04010

South Carolina Drinking Water Cert. #: 990060003

South Carolina Certification #: 990060001

Pennsylvania Certification #: 68-00784

North Carolina Wastewater Certification #: 12

North Carolina Field Services Certification #: 5342

North Carolina Drinking Water Certification #: 37706

New Jersey Certification #: NC012

Louisiana/LELAP Certification #: 04034

Kentucky UST Certification #: 84

Florida/NELAP Certification #: E87627

West Virginia Certification #: 357

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

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

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

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

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

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

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

ANALYTICAL RESULTS

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

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

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

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

Results reported on a "dry-weight" basis

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

ANALYTICAL RESULTS

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

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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

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

ANALYTICAL RESULTS

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

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

Results reported on a "dry-weight" basis

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

ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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Pace Analytical Services, Inc.

2225 Riverside Dr.

Asheville, NC 28804

(828)254-7176

Pace Analytical Services, Inc.

9800 Kinney Ave. Suite 100

Huntersville, NC 28078

(704)875-9092

ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

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

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

Results reported on a "dry-weight" basis

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

ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

ANALYTICAL RESULTS

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

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

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

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

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

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

Results reported on a "dry-weight" basis

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

ANALYTICAL RESULTS

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

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

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

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

Results reported on a "dry-weight" basis

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

ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

ANALYTICAL RESULTS

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

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

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

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

ANALYTICAL RESULTS

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

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

ANALYTICAL RESULTS

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

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

ANALYTICAL RESULTS

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

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

ANALYTICAL RESULTS

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

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

ANALYTICAL RESULTS

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

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

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

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

Results reported on a "dry-weight" basis

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

ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

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ANALYTICAL RESULTS

Project: TT-II Tank Yank

Pace Project No.: 9256476

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

Results reported on a "dry-weight" basis

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

QUALITY CONTROL DATA

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

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

SAMPLE DUPLICATE: 359818

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

SAMPLE DUPLICATE: 359819

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

QUALITY CONTROL DATA

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

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

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

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

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

QUALITY CONTROL DATA

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

QC Batch: OEXT/8492 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 3546 Analysis Description: 8015 Solid GCSV
Associated Lab Samples: 9256476001, 9256476002, 9256476003

METHOD BLANK: 360001 Matrix: Solid

Associated Lab Samples: 9256476001, 9256476002, 9256476003

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

LABORATORY CONTROL SAMPLE & LCSD: 360002

360003

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 360004

360005

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

QUALITY CONTROL DATA

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

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

METHOD BLANK: 361778 Matrix: Solid
Associated Lab Samples: 9256476004, 9256476005, 9256476006

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

LABORATORY CONTROL SAMPLE & LCSD: 361779		361784								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Components	mg/kg	167	119	99.5	71		50-114	18		

QUALITY CONTROL DATA

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

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

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

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

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

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

QUALITY CONTROL DATA

Project: TT-II Tank Yank

Pace Project No.: 9256476

QC Batch: OEXT/8497

Analysis Method: MADEP EPH

QC Batch Method: MADEP EPH

Analysis Description: MADEP EPH NC Soil

Associated Lab Samples: 9256476001, 9256476002, 9256476003, 9256476004, 9256476005, 9256476006, 9256476007, 9256476009, 9256476010, 9256476011, 9256476012, 9256476013

METHOD BLANK: 360208

Matrix: Solid

Associated Lab Samples: 9256476001, 9256476002, 9256476003, 9256476004, 9256476005, 9256476006, 9256476007, 9256476009, 9256476010, 9256476011, 9256476012, 9256476013, 9256476014, 9256476015

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

LABORATORY CONTROL SAMPLE & LCSD: 360209

360210

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

QUALITY CONTROL DATA

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

QC Batch: MSV/8912 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 9256476015, 9256476016, 9256476017, 9256476018, 9256476019, 9256476020

METHOD BLANK: 361839 Matrix: Solid
Associated Lab Samples: 9256476015, 9256476016, 9256476017, 9256476018, 9256476019, 9256476020

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

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QUALITY CONTROL DATA

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

METHOD BLANK: 361839

Matrix: Solid

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

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

LABORATORY CONTROL SAMPLE: 361840

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

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QUALITY CONTROL DATA

Project: TT-II Tank Yank

Pace Project No.: 9256476

LABORATORY CONTROL SAMPLE: 361840

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

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QUALITY CONTROL DATA

Project: TT-II Tank Yank

Pace Project No.: 9256476

LABORATORY CONTROL SAMPLE: 361840

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

MATRIX SPIKE SAMPLE: 362487

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

SAMPLE DUPLICATE: 362723

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

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QUALITY CONTROL DATA

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

SAMPLE DUPLICATE: 362723

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

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QUALITY CONTROL DATA

Project: TT-II Tank Yank

Pace Project No.: 9256476

SAMPLE DUPLICATE: 362723

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

QUALITY CONTROL DATA

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

QC Batch: MSV/8880 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 9256476003, 9256476013, 9256476014

METHOD BLANK: 359955 Matrix: Solid

Associated Lab Samples: 9256476003, 9256476013, 9256476014

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

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QUALITY CONTROL DATA

Project: TT-II Tank Yank

Pace Project No.: 9256476

METHOD BLANK: 359955

Matrix: Solid

Associated Lab Samples: 9256476003, 9256476013, 9256476014

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

LABORATORY CONTROL SAMPLE: 359956

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

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QUALITY CONTROL DATA

Project: TT-II Tank Yank

Pace Project No.: 9256476

LABORATORY CONTROL SAMPLE: 359956

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

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QUALITY CONTROL DATA

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

LABORATORY CONTROL SAMPLE: 359956

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

QUALITY CONTROL DATA

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

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

METHOD BLANK: 362412 Matrix: Solid
Associated Lab Samples: 9256476001, 9256476002, 9256476003, 9256476004, 9256476005, 9256476006, 9256476007, 9256476008, 9256476009, 9256476010, 9256476011, 9256476012, 9256476013, 9256476014, 9256476015, 9256476016, 9256476017, 9256476018, 9256476019, 9256476020

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

LABORATORY CONTROL SAMPLE & LCSD: 362413			362414							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	mg/kg	15	17.6	16.8	117	112	70-130	5	25	
Aliphatic (C09-C12)	mg/kg	15	15.4	13.9	102	92	30-130	10	25	
Aromatic (C09-C10)	mg/kg	5	ND	ND	110	109	70-130		25	
2,5-Dibromotoluene (FID)(S)	%				105	109	70-130			
2,5-Dibromotoluene (PID)(S)	%				106	111	70-130			

QUALITY CONTROL DATA

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

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

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

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

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

QUALITY CONTROL DATA

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

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

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

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

LABORATORY CONTROL SAMPLE: 362406

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

MATRIX SPIKE SAMPLE: 362407

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

SAMPLE DUPLICATE: 362408

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

QUALITY CONTROL DATA

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

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

SAMPLE DUPLICATE: 359820

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

SAMPLE DUPLICATE: 359821

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

QUALITY CONTROL DATA

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

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

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

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

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QUALITY CONTROL DATA

Project: TT-II Tank Yank

Pace Project No.: 9256476

METHOD BLANK: 359953

Matrix: Solid

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

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

LABORATORY CONTROL SAMPLE: 359954

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

Date: 11/19/2009 04:09 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

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

LABORATORY CONTROL SAMPLE: 359954

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

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TT-II Tank Yank

Pace Project No.: 9256476

LABORATORY CONTROL SAMPLE: 359954

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

MATRIX SPIKE SAMPLE: 361717

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

SAMPLE DUPLICATE: 361716

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

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

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

SAMPLE DUPLICATE: 361716

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

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TT-II Tank Yank

Pace Project No.: 9256476

SAMPLE DUPLICATE: 361716

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

QUALITY CONTROL DATA

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

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

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

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

LABORATORY CONTROL SAMPLE & LCSD: 362523

362524

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 362525

362526

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

QUALIFIERS

Project: TT-II Tank Yank

Pace Project No.: 9256476

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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

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

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

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

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: <u>MCC COAO</u> Address: <u>1000 Cherry PT, NC</u> Email To: <u>Rob Finkler</u> Phone: <u>252 447-1100</u> Fax: <u>252 447-2012</u> Requested Due Date/AT: <u>24th November 2012</u>		Section B Required Project Information: Report To: <u>Rob Finkler</u> Copy To: <u>Mike Roberts</u> Purchase Order No.: Project Name: <u>TT-2 Tank Yacht</u> Project Number:		Section C Invoice Information: Attention: <u>Jill Smith</u> Company Name: <u>MCC COAO</u> Address: <u>Jacksonville, NC</u> Reference: <u>Pace Quote</u> Project Manager: <u>Pace Profile #:</u>		Page: <u>1</u> of <u>2</u> 1358371	
REGULATORY AGENCY ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☒ UST ☐ RCRA ☐ OTHER				Site Location STATE: <u>NC</u>			

Section D Required Client Information		Matrix Codes MATRIX / CODE		COLLECTED		SAMPLE TEMP AT COLLECTION		# OF CONTAINERS		Preservatives		Analysis Test		Residual Chlorine (Y/N)		Requested Analysis Filtered (Y/N)	
SAMPLE ID (AZ, 0-9 / -)		Matrix Codes Drinking Water Waste Water Product Soil/Solid Oil Wipe Air Tissue Other		COMPOSITE START		COMPOSITE END/GRAB											
ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Y/N
1	TT-2129-1	SL G			10/28/09	11:00	13	6						2.5			2
2	TT-2129-4	SL G			10/28/09	12:40	13	6						2.5			2
3	TT-2129-3	SL G			10/28/09	13:00	13	6						2.5			2
4	TT-2129-2	SL G			10/28/09	13:30	13	6						2.5			2
5	TT-2129-B (9')	SL G			10/28/09	14:05	13	6						2.5			2
6	TT-2135-1	SL G			10/28/09	15:35	13	6						2.5			2
7	TT-2135-2	SL G			10/28/09	16:05	13	6						2.5			2
8	TT-2139-4	SL G			10/28/09	16:20	13	6						2.5			2
9	TT-2139-3	SL G			10/28/09	16:50	13	6						2.5			2
10	TT-2135-B-8.5	SL G			10/28/09	09:20	13	6						2.5			2
11	TT-2969-2	SL G			10/28/09	13:10	13	6						2.5			2
12	TT-2969-4	SL G			10/28/09	12:40	13	6						2.5			2
ADDITIONAL COMMENTS			REINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS		
			ALVT		MTC		10/30/09 11:30		ANVT		10/30/09 12:55				Y		
									Austin N. Kelly / Pace		10/31/09 9:30		60		Y		
															Y		

ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION: <u>Rob Finkler</u> DATE: <u>10/30/09</u> TIME: <u>11:30</u> ACCEPTED BY / AFFILIATION: <u>Justin M. [Signature]</u> DATE: <u>10/30/09</u> TIME: <u>17:55</u>		SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: <u>Wade T. Lewis</u> SIGNATURE of SAMPLER: <u>[Signature]</u> DATE Signed: <u>10/30/09</u>		Temp in °C: <u>60</u> Received on Ice (Y/N): <u>Y</u> Custody Sealed Cooler (Y/N): <u>N</u> Samples Intact (Y/N): <u>Y</u>	
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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: ASJ1142

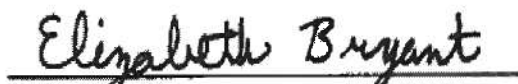
November 05, 2009

Project: TT-II Tank Yank

Project #:9256476

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

Approved:


Project Manager

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All test results relate only to the samples analyzed.



ANALYTICAL SERVICES, INC.

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

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

November 05, 2009

ANALYTICAL REPORT FOR SAMPLES

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



ANALYTICAL SERVICES, INC.

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

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

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2969-1/9256476001

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-01

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

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



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

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2969-1/9256476001

Lab Number ID: ASJ1142-01

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

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

Matrix: Solid

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



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

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2969-1/9256476001

Lab Number ID: ASJ1142-01

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

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

Matrix: Solid

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



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2969-3/9256476002

Lab Number ID: ASJ1142-02

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

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

Matrix: Solid

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



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2969-3/9256476002

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-02

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

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



ANALYTICAL SERVICES, INC.

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

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

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2969-3/9256476002

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-02

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

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



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

November 05, 2009

Report No.: ASJ1142

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

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-03

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

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



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

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

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

Lab Number ID: ASJ1142-03

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

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

Matrix: Solid

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



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

November 05, 2009

Report No.: ASJ1142

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

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-03

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

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



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Pace Analytical Services Inc. - Huntersv

9800 Kinsey Avenue

Huntersville NC, 28078

Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2111-1/9256476004

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-04

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

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



ANALYTICAL SERVICES, INC.

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

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

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2111-1/9256476004

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-04

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

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



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

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2111-1/9256476004

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-04

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

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



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

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

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-05

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

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



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Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

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

Lab Number ID: ASJ1142-05

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

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

Matrix: Solid

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



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

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

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-05

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

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



ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis

110 Technology Parkway, Norcross, GA 30092

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

Pace Analytical Services Inc. - Huntersv

9800 Kinney Avenue

Huntersville NC, 28078

Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2111-2/9256476006

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-06

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

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



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

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2111-2/9256476006

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-06

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

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



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

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2111-2/9256476006

Lab Number ID: ASJ1142-06

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

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

Matrix: Solid

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



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November 05, 2009

Report No.: ASJ1142

Client ID: TT-2111-3/9256476007

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-07

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

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



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Huntersville NC, 28078

Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2111-3/9256476007

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-07

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

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



ANALYTICAL SERVICES, INC.

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

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

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2111-3/9256476007

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-07

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

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



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

November 05, 2009

Report No.: ASJ1142

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

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-08

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

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



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

November 05, 2009

Report No.: ASJ1142

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

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-08

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

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



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

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

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-08

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

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



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Huntersville NC, 28078
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November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2129-1/9256476009

Lab Number ID: ASJ1142-09

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

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

Matrix: Solid

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



ANALYTICAL SERVICES, INC.

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

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

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2129-1/9256476009

Lab Number ID: ASJ1142-09

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

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

Matrix: Solid

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



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

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2129-1/9256476009

Lab Number ID: ASJ1142-09

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

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

Matrix: Solid

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



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2129-4/9256476010

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-10

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

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



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9800 Kinsey Avenue

Huntersville NC, 28078

Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2129-4/9256476010

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-10

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

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



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2129-4/9256476010

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-10

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

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



ANALYTICAL SERVICES, INC.

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

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

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2129-3/9256476011

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-11

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

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



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

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2129-3/9256476011

Lab Number ID: ASJ1142-11

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

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

Matrix: Solid

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



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

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2129-3/9256476011

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-11

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

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



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9800 Kinney Avenue

Huntersville NC, 28078

Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2129-2/9256476012

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-12

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

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



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2129-2/9256476012

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-12

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

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



ANALYTICAL SERVICES, INC.

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

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

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2129-2/9256476012

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-12

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

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



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Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

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

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-13

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

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



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

November 05, 2009

Report No.: ASJ1142

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

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-13

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

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



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

November 05, 2009

Report No.: ASJ1142

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

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-13

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

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



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

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2139-1/9256476014

Lab Number ID: ASJ1142-14

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

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

Matrix: Solid

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



ANALYTICAL SERVICES, INC.

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

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

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2139-1/9256476014

Lab Number ID: ASJ1142-14

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

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

Matrix: Solid

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



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

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2139-1/9256476014

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-14

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

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



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2139-2/9256476015

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-15

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

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



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

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2139-2/9256476015

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-15

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

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



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2139-2/9256476015

Lab Number ID: ASJ1142-15

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

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

Matrix: Solid

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



ANALYTICAL SERVICES, INC.

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

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

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2139-4/9256476016

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-16

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

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



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

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2139-4/9256476016

Lab Number ID: ASJ1142-16

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

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

Matrix: Solid

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



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9800 Kincey Avenue
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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2139-4/9256476016

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-16

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

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



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November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2139-3/9256476017

Lab Number ID: ASJ1142-17

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

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

Matrix: Solid

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



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November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2139-3/9256476017

Lab Number ID: ASJ1142-17

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

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

Matrix: Solid

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



ANALYTICAL SERVICES, INC.

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

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

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2139-3/9256476017

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-17

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

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



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Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

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

Lab Number ID: ASJ1142-18

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

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

Matrix: Solid

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



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Pace Analytical Services Inc. - Huntersv

9800 Kinsey Avenue

Huntersville NC, 28078

Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

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

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-18

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

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



ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
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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

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

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

Lab Number ID: ASJ1142-18

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

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

Matrix: Solid

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



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

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2969-2/9256476019

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-19

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

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



ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis

110 Technology Parkway, Norcross, GA 30092

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

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

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2969-2/9256476019

Lab Number ID: ASJ1142-19

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

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

Matrix: Solid

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



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

November 05, 2009

Report No.: ASJ1142

Client ID: TT-2969-2/9256476019

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-19

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

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



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November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2969-4/9256476020

Lab Number ID: ASJ1142-20

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

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

Matrix: Solid

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



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November 05, 2009

Report No.: ASJ1142

Client ID: TT-2969-4/9256476020

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

Matrix: Solid

Project: TT-II Tank Yank

Lab Number ID: ASJ1142-20

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

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



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Attention: Ms. Ashley Nifong

November 05, 2009

Report No.: ASJ1142

Project: TT-II Tank Yank

Client ID: TT-2969-4/9256476020

Lab Number ID: ASJ1142-20

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

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

Matrix: Solid

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



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November 05, 2009

Report No.: ASJ1142

General Chemistry - Quality Control

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



ANALYTICAL SERVICES, INC.

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

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

November 05, 2009

Report No.: ASJ1142

Semivolatile Organic Compounds by EPA 8270 - Quality Control

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



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9800 Kincey Avenue
Huntersville NC, 28078
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Report No.: ASJ1142

Semivolatile Organic Compounds by EPA 8270 - Quality Control

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



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110 Technology Parkway, Norcross, GA 30092
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9800 Kinsey Avenue
Huntersville NC, 28078
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November 05, 2009

Report No.: ASJ1142

Semivolatile Organic Compounds by EPA 8270 - Quality Control

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



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9800 Kinsey Avenue

Huntersville NC, 28078

Attention: Ms. Ashley Nifong

November 05, 2009

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Semivolatile Organic Compounds by EPA 8270 - Quality Control

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

Batch A911108 - EPA 3550B

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



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

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

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Semivolatile Organic Compounds by EPA 8270 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Qual
Batch A911108 - EPA 3550B									
Blank (A911108-BLK1)					Prepared & Analyzed: 11/04/09				
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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Huntersville NC, 28078
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Semivolatile Organic Compounds by EPA 8270 - Quality Control

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



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Semivolatile Organic Compounds by EPA 8270 - Quality Control

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



ANALYTICAL SERVICES, INC.

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

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

November 05, 2009

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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Attention: Ms. Ashley Nifong

November 05, 2009

Legend

Definition of Laboratory Terms

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

Sample Information

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

Phthalic acid and phthalic anhydride are reported as dimethyl phthalate

Maleic acid and maleic anhydride are reported as dimethyl malate

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

Definition of Qualifiers

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



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Huntersville NC, 28078
Attention: Ms. Ashley Nifong

November 05, 2009

Chain of Custody

Workorder: 9256476 Workorder Name: TT-1 Tank Yank Results Requested 11/5/2009

Report / Invoice To		Subcontract To		Requested Analysis	
Ashley Nifong Pace Analytical Charlotte 9800 Kinsey Ave. Suite 100 Huntersville, NC 28078 Phone (704) 875-9092 Email: ashley.nifong@paceanalabs.com		P.O.			
Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers
1	TT-2069-1	10/29/2009 13:20	9256476001	Solid	
2	TT-2069-3	10/29/2009 14:30	9256476002	Solid	
3	TT-2069-B-3.5	10/29/2009 14:00	9256476003	Solid	
4	TT-2111-1	10/30/2009 08:30	9256476004	Solid	
5	TT-2111-4	10/30/2009 08:50	9256476005	Solid	
6	TT-2111-2	10/30/2009 09:25	9256476006	Solid	
7	TT-2111-3	10/30/2009 09:40	9256476007	Solid	
8	TT-2111-B-6	10/30/2009 10:00	9256476008	Solid	
9	TT-2128-1	10/28/2009 11:00	9256476009	Solid	
10	TT-2128-4	10/28/2009 12:40	9256476010	Solid	
11	TT-2128-3	10/28/2009 13:00	9256476011	Solid	
12	TT-2128-2	10/28/2009 13:30	9256476012	Solid	
13	TT-2128-B-9	10/28/2009 14:05	9256476013	Solid	
14	TT-2139-1	10/28/2009 15:35	9256476014	Solid	
15	TT-2139-2	10/28/2009 16:05	9256476015	Solid	
16	TT-2139-4	10/28/2009 16:20	9256476016	Solid	
17	TT-2139-3	10/28/2009 16:50	9256476017	Solid	
18	TT-2139-B-4.5	10/29/2009 09:20	9256476018	Solid	
19	TT-2069-2	10/29/2009 12:10	9256476019	Solid	

ASJ1143
34

LAB USE ONLY

Friday, October 30, 2009 6:46:41 PM
FMT-ALL-C-002rev.00 24March2009
Page 1 of 2

McKaman 10/31/09 1030, Ice, 2C, Intact, PH-N/A
Fedex



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

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

November 05, 2009



Chain of Custody

Workorder: 9256476		Workorder Name: TT-II Tank Yank		Results Requested: 11/5/2009	
Report / Invoice To		Subcontract To		Requested Analysis	
Ashley Nifong Pace Analytical Charlotte 9800 Kinsey Ave. Suite 100 Huntersville, NC 28078 Phone (704) 875-9092 Email: ashley.nifong@pacalabs.com		P.O.			
Preserved Containers		Matrix		LAB USE ONLY	
Item	Sample ID	Collect Date/Time	Lab ID	Matrix	LAB USE ONLY
20	TT-2063-4	10/29/2009 12:40	9256476/20	Solid	20
21					
22					
23					
24					
Comments					
Transfers					
1	Released By: A. Nifong	Date/Time: 10/30/09	Received By:	Date/Time:	
2					
3					
4					
5					

Rahman 10/31/09 1030, 10e, 2c, 1st, PH-N/A
Fedex

Friday, October 30, 2009 6:46:44 PM

FMT-ALL-C-302rev.00 24March2009

Page 2 of 2



ANALYTICAL SERVICES, INC.

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

LOG-IN CHECKLIST

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

Attn: Ms. Ashley Nifong

Client: Pace Analytical Services Inc. - Huntersville

Project: TT-II Tank Yank

Date Received: 10/31/09 10:30

Work Order: ASJ1142

Logged In By: Mohammad M. Rahman

OBSERVATIONS

#Samples: 20

#Containers: 20

Minimum Temp(C): 2.0

Maximum Temp(C): 2.0

Custody Seal(s) Used: Yes

CHECKLIST ITEMS

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

Comments:

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



Ben Ashba
Richard Catlin & Associates
P.O. Box 10279
Wilmington, NC 28404-0279

Report Number: G128-2479

Client Project: TT Sites

Dear Ben Ashba,

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.

Barbara Hager 12/29/2009
Project Manager Date
Barbara Hager

SGS North America, Inc.

Case Narrative

Catlin

SGS Project: G128-2479

Project Name: TT Sites

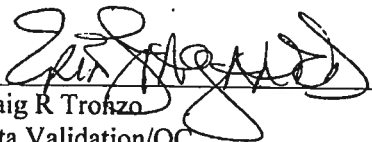
SGS North America, Inc.

December 29th, 2009

- Two water samples were accepted into the laboratory on December 15th, 2009 at 1340 for analyses as indicated on the chain of custody. The samples were received in good condition, with a temperature range of 4.0-5.5°C.
- All extractions and analyses were completed within holding time limits, with the following quality control exceptions.

625 Analysis

- The reported %RPD in the LCS/LCSD for Hexachlorocyclopentadiene from batch 15734 is outside of the method's QC limit. The individual recoveries meet the acceptance criteria. Since this compound was not detected in either sample, there is no affect on data quality.
- The reported recoveries for Hexachloroethane in the same LCS/LCSD fall below the method's QC limit. The samples were re-extracted and re-analyzed with confirming results. This factor may indicate a low bias for the affected compound. The original data is being reported for these samples.

 for _____ Date 29 Dec 2009
Craig R. Trohzo
Data Validation/QC

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: TT2969-TW01

Analyzed By: RSB

Client Project ID: TT Sites

Date Collected: 12/14/2009 13:00

Lab Sample ID: G128-2479-1A

Date Received: 12/15/2009

Lab Project ID: G128-2479

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	1.37	1.00	0.428	1	12/20/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.391	1	12/20/2009	
Ethylbenzene	10.5	1.00	0.341	1	12/20/2009	
Methyl-tert butyl ether (MTBE)	BQL	1.00	0.778	1	12/20/2009	
Toluene	0.723	1.00	0.404	1	12/20/2009	J
m/p-Xylene	14.2	2.00	0.671	1	12/20/2009	
o-Xylene	19.8	1.00	0.302	1	12/20/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.1	103

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS North America, Inc.

Results for Volatiles

by GC 602

Client Sample ID: TT2129-TW01

Analyzed By: RSB

Client Project ID: TT Sites

Date Collected: 12/14/2009 14:00

Lab Sample ID: G128-2479-2A

Date Received: 12/15/2009

Lab Project ID: G128-2479

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	2.18	1.00	0.428	1	12/20/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.391	1	12/20/2009	
Ethylbenzene	1.80	1.00	0.341	1	12/20/2009	
Methyl-tert butyl ether (MTBE)	BQL	1.00	0.778	1	12/20/2009	
Toluene	BQL	1.00	0.404	1	12/20/2009	
m/p-Xylene	6.59	2.00	0.671	1	12/20/2009	
o-Xylene	1.91	1.00	0.302	1	12/20/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.9	102

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS North America, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: TT2969-TW01
Client Project ID: TT Sites
Lab Sample ID: G128-2479-1J
Lab Project ID: G128-2479

Analyzed By: DCS
Date Collected: 12/14/2009 13:00
Date Received: 12/15/2009
Date Extracted: 12/16/2009
Matrix: Water

Initial/Final Amt: 884 mL / 5 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	3.39	5.66	1.24	1	12/17/2009	J
Acenaphthylene	BQL	5.66	1.19	1	12/17/2009	
Anthracene	BQL	5.66	1.36	1	12/17/2009	
Benzo[a]anthracene	BQL	5.66	1.26	1	12/17/2009	
Benzo[a]pyrene	BQL	5.66	1.11	1	12/17/2009	
Benzo[b]fluoranthene	BQL	5.66	1.06	1	12/17/2009	
Benzo[g,h,i]perylene	BQL	5.66	1.27	1	12/17/2009	
Benzo[k]fluoranthene	BQL	5.66	1.56	1	12/17/2009	
Bis(2-chloroethoxy)methane	BQL	5.66	1.30	1	12/17/2009	
Bis(2-chloroethyl)ether	BQL	5.66	1.26	1	12/17/2009	
Bis(2-chloroisopropyl)ether	BQL	5.66	1.20	1	12/17/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.66	1.44	1	12/17/2009	
4-bromophenyl phenyl ether	BQL	5.66	1.24	1	12/17/2009	
Butylbenzylphthalate	BQL	5.66	1.26	1	12/17/2009	
2-Chloronaphthalene	BQL	5.66	0.967	1	12/17/2009	
2-Chlorophenol	BQL	5.66	1.14	1	12/17/2009	
4-Chloro-3-methylphenol	BQL	5.66	1.15	1	12/17/2009	
4-Chlorophenyl phenyl ether	BQL	5.66	1.29	1	12/17/2009	
Chrysene	BQL	5.66	0.628	1	12/17/2009	
Dibenzo[a,h]anthracene	BQL	5.66	1.30	1	12/17/2009	
Di-n-Butylphthalate	BQL	5.66	0.933	1	12/17/2009	
3,3'-Dichlorobenzidine	BQL	11.3	1.43	1	12/17/2009	
2,4-Dichlorophenol	BQL	5.66	1.04	1	12/17/2009	
Diethylphthalate	BQL	5.66	1.54	1	12/17/2009	
Dimethylphthalate	BQL	5.66	1.36	1	12/17/2009	
2,4-Dimethylphenol	BQL	5.66	0.773	1	12/17/2009	
Di-n-octylphthalate	BQL	5.66	1.21	1	12/17/2009	
4,6-Dinitro-2-methylphenol	BQL	28.3	1.20	1	12/17/2009	
2,4-Dinitrophenol	BQL	28.3	0.827	1	12/17/2009	
2,4-Dinitrotoluene	BQL	5.66	1.37	1	12/17/2009	
2,6-Dinitrotoluene	BQL	5.66	1.50	1	12/17/2009	
Diphenylamine *	BQL	5.66	1.52	1	12/17/2009	
Fluoranthene	BQL	5.66	1.56	1	12/17/2009	
Fluorene	7.81	5.66	1.45	1	12/17/2009	
Hexachlorobenzene	BQL	5.66	1.86	1	12/17/2009	
Hexachlorobutadiene	BQL	5.66	0.702	1	12/17/2009	
Hexachlorocyclopentadiene	BQL	11.3	0.548	1	12/17/2009	#
Hexachloroethane	BQL	5.66	0.836	1	12/17/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.66	2.58	1	12/17/2009	
Isophorone	BQL	5.66	1.09	1	12/17/2009	
Naphthalene	44.5	5.66	0.887	1	12/17/2009	
Nitrobenzene	BQL	5.66	1.13	1	12/17/2009	
2-Nitrophenol	BQL	5.66	1.01	1	12/17/2009	
4-Nitrophenol	BQL	28.3	0.803	1	12/17/2009	
N-Nitrosodi-n-propylamine	BQL	5.66	0.865	1	12/17/2009	
Pentachlorophenol	BQL	28.3	0.690	1	12/17/2009	
Phenanthrene	9.05	5.66	1.36	1	12/17/2009	

SGS North America, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: TT2969-TW01
Client Project ID: TT Sites
Lab Sample ID: G128-2479-1J
Lab Project ID: G128-2479

Analyzed By: DCS
Date Collected: 12/14/2009 13:00
Date Received: 12/15/2009
Date Extracted: 12/16/2009
Matrix: Water

Initial/Final Amt: 884 mL / 5 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.66	1.03	1	12/17/2009	
Pyrene	BQL	5.66	1.31	1	12/17/2009	
1,2,4-Trichlorobenzene	BQL	5.66	0.876	1	12/17/2009	
2,4,6-Trichlorophenol	BQL	5.66	1.04	1	12/17/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	8.5	85		
2-Fluorophenol		10	4	40		
Nitrobenzene-d5		10	6.4	64		
Phenol-d6		10	5.5	55		
2,4,6-Tribromophenol		10	11.1	111		
4-Terphenyl-d14		10	9.6	96		

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: MS

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: TT2969-TW01
Client Project ID: TT Sites
Lab Sample ID: G128-2479-1J
Lab Project ID: G128-2479
Sample Wt/Vol: 884 ML
Dilution: 1

Analyzed By: DCS
Date Collected: 12/14/2009 13:00
Date Received: 12/15/2009
Date Extracted: 12/16/2009
Date Analyzed: 12/17/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Heptadecane	8.76	629-78-7	93.3	192
2	Octadecane	8.08	593-45-3	94	70.1
3	Tridecane	5.42	629-50-5	97	59.2
4	Eicosane	8.96	112-95-8	97	47
5	Alkane, Unknown	8.19			46.2
6	Heneicosane	9.38	629-94-7	97	36
7	Hexadecane	7.10	544-76-3	94	24
8	Alkane, Unknown	5.24			22.9
9	Dimethylbenzene, Isomer of	4.52			21.6
10	Docosane	9.77	629-97-0	97	18

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: 

SGS North America, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: TT2129-TW01
Client Project ID: TT Sites
Lab Sample ID: G128-2479-2J
Lab Project ID: G128-2479

Analyzed By: DCS
Date Collected: 12/14/2009 14:00
Date Received: 12/15/2009
Date Extracted: 12/16/2009
Matrix: Water

Initial/Final Amt: 884 mL / 5 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	1.36	5.66	1.24	1	12/18/2009	J
Acenaphthylene	BQL	5.66	1.19	1	12/18/2009	
Anthracene	BQL	5.66	1.36	1	12/18/2009	
Benzo[a]anthracene	BQL	5.66	1.26	1	12/18/2009	
Benzo[a]pyrene	BQL	5.66	1.11	1	12/18/2009	
Benzo[b]fluoranthene	BQL	5.66	1.06	1	12/18/2009	
Benzo[g,h,i]perylene	BQL	5.66	1.27	1	12/18/2009	
Benzo[k]fluoranthene	BQL	5.66	1.56	1	12/18/2009	
Bis(2-chloroethoxy)methane	BQL	5.66	1.30	1	12/18/2009	
Bis(2-chloroethyl)ether	BQL	5.66	1.26	1	12/18/2009	
Bis(2-chloroisopropyl)ether	BQL	5.66	1.20	1	12/18/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.66	1.44	1	12/18/2009	
4-bromophenyl phenyl ether	BQL	5.66	1.24	1	12/18/2009	
Butylbenzylphthalate	BQL	5.66	1.26	1	12/18/2009	
2-Chloronaphthalene	BQL	5.66	0.967	1	12/18/2009	
2-Chlorophenol	BQL	5.66	1.14	1	12/18/2009	
4-Chloro-3-methylphenol	BQL	5.66	1.15	1	12/18/2009	
4-Chlorophenyl phenyl ether	BQL	5.66	1.29	1	12/18/2009	
Chrysene	BQL	5.66	0.628	1	12/18/2009	
Dibenzo[a,h]anthracene	BQL	5.66	1.30	1	12/18/2009	
Di-n-Butylphthalate	BQL	5.66	0.933	1	12/18/2009	
3,3'-Dichlorobenzidine	BQL	11.3	1.43	1	12/18/2009	
2,4-Dichlorophenol	BQL	5.66	1.04	1	12/18/2009	
Diethylphthalate	BQL	5.66	1.54	1	12/18/2009	
Dimethylphthalate	BQL	5.66	1.36	1	12/18/2009	
2,4-Dimethylphenol	BQL	5.66	0.773	1	12/18/2009	
Di-n-octylphthalate	BQL	5.66	1.21	1	12/18/2009	
4,6-Dinitro-2-methylphenol	BQL	28.3	1.20	1	12/18/2009	
2,4-Dinitrophenol	BQL	28.3	0.827	1	12/18/2009	
2,4-Dinitrotoluene	BQL	5.66	1.37	1	12/18/2009	
2,6-Dinitrotoluene	BQL	5.66	1.50	1	12/18/2009	
Diphenylamine *	BQL	5.66	1.52	1	12/18/2009	
Fluoranthene	BQL	5.66	1.56	1	12/18/2009	
Fluorene	1.53	5.66	1.45	1	12/18/2009	J
Hexachlorobenzene	BQL	5.66	1.86	1	12/18/2009	
Hexachlorobutadiene	BQL	5.66	0.702	1	12/18/2009	
Hexachlorocyclopentadiene	BQL	11.3	0.548	1	12/18/2009	#
Hexachloroethane	BQL	5.66	0.836	1	12/18/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.66	2.58	1	12/18/2009	
Isophorone	BQL	5.66	1.09	1	12/18/2009	
Naphthalene	17.0	5.66	0.887	1	12/18/2009	
Nitrobenzene	BQL	5.66	1.13	1	12/18/2009	
2-Nitrophenol	BQL	5.66	1.01	1	12/18/2009	
4-Nitrophenol	BQL	28.3	0.803	1	12/18/2009	
N-Nitrosodi-n-propylamine	BQL	5.66	0.865	1	12/18/2009	
Pentachlorophenol	BQL	28.3	0.690	1	12/18/2009	
Phenanthrene	BQL	5.66	1.36	1	12/18/2009	

SGS North America, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: TT2129-TW01
Client Project ID: TT Sites
Lab Sample ID: G128-2479-2J
Lab Project ID: G128-2479

Analyzed By: DCS
Date Collected: 12/14/2009 14:00
Date Received: 12/15/2009
Date Extracted: 12/16/2009
Matrix: Water

Initial/Final Amt: 884 mL / 5 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.66	1.03	1	12/18/2009	
Pyrene	BQL	5.66	1.31	1	12/18/2009	
1,2,4-Trichlorobenzene	BQL	5.66	0.876	1	12/18/2009	
2,4,6-Trichlorophenol	BQL	5.66	1.04	1	12/18/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.2	92		
2-Fluorophenol		10	8.6	86		
Nitrobenzene-d5		10	9.5	94		
Phenol-d6		10	9.3	93		
2,4,6-Tribromophenol		10	11.3	113		
4-Terphenyl-d14		10	10.9	109		

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: GM

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: TT2129-TW01
Client Project ID: TT Sites
Lab Sample ID: G128-2479-2J
Lab Project ID: G128-2479
Sample Wt/Vol: 884 ML
Dilution: 1

Analyzed By: DCS
Date Collected: 12/14/2009 14:00
Date Received: 12/15/2009
Date Extracted: 12/16/2009
Date Analyzed: 12/18/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Naphthalene, 1,4-dimethyl-	6.22	571-58-4	97	12.3
2	Naphthalene, 2,6-dimethyl-	6.14	581-42-0	94	9.94
3	Carboxylic Acid, Unknown	5.70			9.93
4	Aromatic, Unknown	4.52			9.79
5	Tetrahydronaphthalene, Isomer of	4.62			9.3
6	Benzene, 1-methyl-2-propyl-	3.93	1074-17-5	91	9.15
7	Alkane, Unknown	8.07			9.14
8	Naphthalene, 1,7-dimethyl-	6.25	575-37-1	96	8.12
9	Heptadecane	7.60	629-78-7	94	7.9
10	Aromatic, Unknown	4.17			7.86

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: 

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & AssociatesProject Name: TT Sites

Sample Information	
Sample Identification	TT2969-TW01
Sample Matrix	Water
Date Collected	12/14/09 13:00
Date Received	12/15/09
Date Extracted	12/16/09
Date Analyzed	12/21/09 15:11 - 12/18/09 22:26
Dry Weight	NA
Dilution Factor	5 - 1
Initial Volume (mL)	834
Final Volume (mL)	5

Analytical Results			
Analytes**	Result µg/L	Report Limit µg/L	Flags
C9-C18 Aliphatics	6970	100	
C19-C36 Aliphatics	1670	100	
C11-C22 Aromatics	2780	100	

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	93.6		40	140
Aromatic (ortho-terphenyl)	97.5		40	140
Fractionation 1 (2-bromonaphthalene)	94.2		40	140
Fractionation 2 (2-fluorobiphenyl)	100		40	140

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

Lab Info: G128-2479-1L	Lab Info: G128-2479-1L
Aliphatic: EP122109/007F0101.D	Aromatic: EP121809/014F1201.D

Reviewed By: 

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

Sample Information	
Sample Identification	TT2129-TW01
Sample Matrix	Water
Date Collected	12/14/09 14:00
Date Received	12/15/09
Date Extracted	12/16/09
Date Analyzed	12/18/09 22:54 - 12/18/09 23:22
Dry Weight	NA
Dilution Factor	1 - 1
Initial Volume (mL)	880
Final Volume (mL)	5

Analytical Results			
Analytes**	Result µg/L	Report Limit µg/L	Flags
C9-C18 Aliphatics	210	100	
C19-C36 Aliphatics	BQL	100	
C11-C22 Aromatics	287	100	

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	90.5		40	140
Aromatic (ortho-terphenyl)	93.1		40	140
Fractionation 1 (2-bromonaphthalene)	94.8		40	140
Fractionation 2 (2-fluorobiphenyl)	98.7		40	140

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

Lab Info: G128-2479-2L	Lab Info: G128-2479-2L
Aliphatic: EP121809/015F1301.D	Aromatic: EP121809/016F1401.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: 12/18/09
12/18/09Filenames: ep121809/001f0101.d
ep121809/002f0201.d

Calibration Check

Range	Levels (mg/Kg)	(µg/L)	%Difference if CF %Drift if LR	Limits
C9-C18 Aliphatics	100	16.7	7.7	≤±25%
C19-C36 Aliphatics	100	16.7	3.7	≤±25%
C11-C22 Aromatics	100	16.7	13.6	≤±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: 12/18/09
12/19/09Filenames: ep121809/017f1501.d
ep121809/018f1601.d

Calibration Check

Range	Levels (mg/Kg)	(µg/L)	%Difference if CF %Drift if LR	Limits
C9-C18 Aliphatics	100	16.7	14.6	≤±25%
C19-C36 Aliphatics	100	16.7	13.2	≤±25%
C11-C22 Aromatics	100	16.7	19.5	≤±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: 12/21/09
12/21/09Filenames: ep122109/005f0301.d
ep122109/006f0401.d

Calibration Check

Range	Levels (µg/L) (mg/Kg)	%Difference if CF %Drift if LR	Limits
C9-C18 Aliphatics	100 16.7	6.7	≤±25%
C19-C36 Aliphatics	100 16.7	5.7	≤±25%
C11-C22 Aromatics	100 16.7	14.2	≤±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: 12/21/09
12/21/09Filenames: ep122109/008f0201.d
ep122109/009f0301.d

Calibration Check

Range	Levels (mg/Kg)	(µg/L)	%Difference if CF %Drift if LR	Limits
C9-C18 Aliphatics	100	16.7	1.2	≤±25%
C19-C36 Aliphatics	100	16.7	1.3	≤±25%
C11-C22 Aromatics	100	16.7	-1.7	≤±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

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

Sample Information	
Sample Identification	TT2969-TW01
Sample Matrix	Water
Collection Option (for Soil)*	NA
Date Collected	12/14/09 13:00
Date Received	12/15/09
Date Extracted	12/16/09 20:07 - 12/16/09 20:07
Date Analyzed	12/16/09 20:07 - 12/16/09 20:07
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**	188	100		
C ₉ -C ₁₀ Aromatics**	475	100		
	Percent Recovery	Flags	Limits Lower Upper	
Surrogate % Recovery - PID	93.2		70	130
Surrogate % Recovery - FID	98.1		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: g128-2479-1d	Lab Info: g128-2479-1d
FID Info: VP121609/026F0101.D	PID Info: VP121609/026R0101.D

Reviewed By: 

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & AssociatesProject Name: TT Sites

Sample Information	
Sample Identification	TT2129-TW01
Sample Matrix	Water
Collection Option (for Soil)*	NA
Date Collected	12/14/09 14:00
Date Received	12/15/09
Date Extracted	12/16/09 20:33 - 12/16/09 20:33
Date Analyzed	12/16/09 20:33 - 12/16/09 20:33
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**	185	100		
	Percent Recovery	Flags	Limits Lower Upper	
Surrogate % Recovery - PID	95.7		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: g128-2479-2d	Lab Info: g128-2479-2d
FID Info: VP121609/027F0101.D	PID Info: VP121609/027R0101.D

Reviewed By: 

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: 12/16/09Filename: VP121609/032F0101.d

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	%Difference if CF %Drift if LR	Limits
C ₅ -C ₈ Aliphatics	200	16	-5.8	±25%
C ₉ -C ₁₂ Aliphatics	200	16	-15.1	±25%
C ₉ -C ₁₀ Aromatics	200	16	6.8	±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: 12/16/09Filename: VP121609/002F0101.d

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	%Difference if CF %Drift if LR	Limits
C ₅ -C ₈ Aliphatics	200	16	8.3	±25%
C ₉ -C ₁₂ Aliphatics	200	16	-11.3	±25%
C ₉ -C ₁₀ Aromatics	200	16	17.9	±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

CHAIN OF CUSTODY RECORD
SGS North America Inc.

Locations Nationwide

- Alaska
- New Jersey
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SGS North America, Inc.

WELL CONSTRUCTION AND WELL ABANDONMENT RECORDS



WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

CATLIN PROJECT NO. 209-025

1. WELL CONTRACTOR:

John E. Wood, III
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): TT2969 - 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: 34.737537
LONGITUDE: 77.377406
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: 11.67 ft. Diameter: 1 in.
b. Water Level (Below Measuring Point): 11.24 ft.
Measuring point is 3.3 ft. above land surface

6. CASING: Length Diameter
a. Casing Depth (if known): 1.67 ft. 1 in.
b. Casing Removed: 2 ft. 1 in.

7. DISINFECTION: N/A

(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement Sand Cement
Cement _____ lb. Cement _____ lb.
Water _____ gal. Water _____ gal.
Bentonite
Bentonite 2 lb.
Type: Slurry _____ Pellets _____
Water _____ gal.
Other
Type material _____
Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:
SCREEN AND CASING PULLED AND BOREHOLE
BACKFILLED WITH GRANULAR BENTONITE TO
0.5ft BLS WHILE BEING HYDRATED

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 12/14/2009

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

John Wood 12-18-09
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)

John E. Wood, III
PRINTED NAME OF PERSON ABANDONING THE WELL