

INITIAL ABATEMENT ACTION REPORT

TT-2939

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

FEBRUARY 9, 2010

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

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1.0 SITE INFORMATION

1.1 SITE IDENTIFICATION

Date of Report: February 9, 2010
Facility I.D.: Not Applicable UST Incident Number (if known): Pending
Site Name: TT-2939
Site Street Address: TT-2939 Saipan Drive
City/Town: Camp Lejeune Zip Code: 28542 County: Onslow
Description of Geographical Data Point: Approximate former tank basin
Location Method: Marine Corps Base Camp Lejeune GIS (see Figure 1)
Latitude: 34° 44' 11.25" N Longitude: 77° 22' 39.23" W

1.2 CONTACT INFORMATION

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

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

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

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

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

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

Closure Contractor: TMS Envirocon, Inc. (TMS)
Address: T1 Cherry Point Trailer, Bldg. 4376T – Cherry Point, NC 28533
Phone: 252-447-1700

1.3 RELEASE INFORMATION

Date Discovered: December 22, 2009

Estimated Quantity of Release: Unknown

Cause of Release: Unknown

Source of Release (Piping/UST): Unknown

Sizes and contents of UST system from which the release occurred: 550-gallon heating oil tank

1.4 CERTIFICATION

I, Jeffery K. Becken, a Professional Engineer for CATLIN, do certify that the information contained in this report is correct and accurate to the best of my knowledge.



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

2.0 SITE HISTORY AND CHARACTERIZATION

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

The site lies within the Tidewater Region of the Coastal Plain Physiographic Province of North Carolina, where large streams and many of their tributaries are affected by ocean tides. The predominant soil type at the site is silty sand to sand of Quarternary surficial deposits. The depth to the underlain Tertiary Castle Hayne limestone/sand is unknown, but is estimated to be more than 30 feet. The depth to water is approximately 10 feet below land surface (BLS).

As illustrated on Figure 3 and indicated on Table 3, the nearest surface water body is an unnamed tributary of French Creek and is approximately 700 feet north of the site. Groundwater flow direction in the surficial aquifer is assumed to flow north toward the unnamed tributary. There are no water supply wells within a 1,500 foot radius of the site, and all buildings in the area are supplied by the MCB water supply system, specifically water from the Holcomb Boulevard Water Treatment Plant (WTP). The ongoing new construction in the area is being connected to water supplied by the Holcomb Boulevard WTP.

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

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

3.0 UST CLOSURE

3.1 PREPARATIONS

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

On December 22, 2009 an access hole was cut into the top of the tank in order to remove residual liquid contents from tank. A vacuum truck was used to remove tank contents.

3.2 PROCEDURES

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

The top of the tank was approximately two (2) feet BLS. The tank was found to be made of welded steel and measured four (4) feet in diameter by six (6) feet long with a capacity of approximately 550 gallons.

According to TMS, a mix of sandy/clayey soils around the UST revealed petroleum odor and elevated Photo Ionization Detector (PID) readings. The NCDENR Wilmington Regional Office (WiRO) was notified of a suspected release and the UST-61 "24-Hour Notice of Release and UST Leak Reporting Form" is provided in Appendix B. One UST closure soil sample (TT-2939-B-7) was collected beneath the bottom of the tank at approximately 7 feet BLS. The TT-2939-B-7 UST closure soil sample location is illustrated on Figure 2. The soil sample was collected from the excavator bucket by hand while wearing new, disposable gloves and placed into laboratory provided glassware, properly labeled, and placed on ice in an insulated cooler. The sample was transferred to a Pace courier following proper chain-of-custody protocol and submitted for Total Petroleum Hydrocarbon (TPH) Diesel and Gasoline Range Organics (DRO and GRO) analysis per Environmental Protection Agency (EPA) Method 8015, volatile and semi-volatile organics analysis per EPA Methods 8260, 8270, and Massachusetts Department of Environmental Protection (MADEP) Extractable and Volatile Petroleum Hydrocarbons (EPH and VPH). A *Site Investigation Report for Permanent Closure or Change-in-Service of UST (UST-2)* form is included in Appendix C.

3.3 RESIDUAL MATERIAL AND DISPOSAL

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

4.0 INITIAL RESPONSE AND ABATEMENT ACTIONS

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

5.0 EXCAVATION OF CONTAMINATED SOIL

5.1 FIELD SCREENING

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

5.2 EXCAVATION PROCESS

As previously mentioned, soils were excavated immediately following UST removal and properly stockpiled (temporarily) near the site. Suspected soil contamination was excavated laterally around the former UST location based on obvious odor and periodic PID screening. Grab soil samples were collected by hand while wearing new, disposable gloves and placed in a sealable polyethylene bag for PID headspace screening. Soils that revealed elevated readings were removed and placed on the nearby stockpile. Soil excavating ceased when all indications of petroleum impacted soils were removed or restricted by surficial structures. Overall excavation limits measured 15 feet by 8 feet by 7 feet deep. The excavation limits are illustrated on Figure 2.

5.3 CONFIRMATION SOIL SAMPLING

During the UST excavation, undisturbed sidewall soils from approximately five (5) feet BLS were obtained by TMS personnel from each excavation sidewall utilizing the excavator bucket. The undisturbed soils from each sidewall were removed from the excavator bucket by hand while wearing new disposable gloves and packed directly into the appropriate laboratory provided glassware, and placed on ice in an insulated cooler. The excavation confirmation sample identifications, sample date and time are provided on the chain-of-custody following the laboratory analytical report in Appendix D. The four (4) excavation confirmation sidewall samples (TT-2939-1, TT-2939-2, TT-2939-3, and TT-2939-4) were transferred to a Pace courier following proper chain-of-custody protocol and submitted for TPH DRO and GRO analysis per EPA Method 8015, Risk-Based volatile and semi-volatile organics analysis per EPA Methods 8260, 8270, and MADEP EPH and VPH analysis. As previously mentioned, the bottom soil sample (TT-2939-B-7) was collected at 7 feet BLS.

5.4 QUALITY CONTROL MEASURES

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

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

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

6.0 GROUNDWATER INVESTIGATION

A qualified driller registered in the State of North Carolina and a project level geologist installed the boring for temporary monitoring well construction. The temporary well TT2939-TW01 was designed and constructed in accordance with accepted standards and practices. The well was installed, sampled and abandoned under applicable State of North Carolina licensing and documentation requirements.

Well Installation

CATLIN personnel and equipment mobilized to the site on January 18, 2010. Boring advancement for temporary well installation was conducted at the site by hollow stem auger techniques. Soil samples were continuously collected for visual/manual classification utilizing the Unified Soil Classification System (USCS). After classifying soil samples, the cuttings were containerized in a Department of Transportation (DOT) approved 55-gallon drum.

Following TT2939-TW01 boring termination at 15 feet BLS, a 14 feet deep temporary well was installed using a ten (10) foot long piece of one-inch diameter Poly Vinyl Chloride (PVC) well screen (0.010-inch slot) with a five (5) foot long piece of one-inch diameter PVC riser extending approximately one (1) foot above the ground surface. The annular space was filled with medium sand pack from the bottom of the well to above the well screen and then bentonite chips to within three (3) feet of the ground surface. The bentonite chips were poured from the surface while simultaneously pouring water to facilitate hydration.

Groundwater Sampling

On January 21, 2010 CATLIN personnel returned to the site and gauged temporary monitoring well TT2939-TW01 for depth to water (DTW) which was measured at 10.58 feet BLS. After gauging the well, approximately 2.5 gallons of purge water were removed from the well utilizing new polyethylene tubing and a low-flow peristaltic pump. Purge water was containerized in a DOT approved 55-gallon drum. A groundwater sample was then pumped directly into the new, appropriately labeled glassware provided by the laboratory and placed on ice in an insulated cooler. The groundwater sample was transported to SGS and submitted for Risk-Based analysis per EPA Methods 602 and 625 and MADEP EPH and VPH following chain-of-custody protocol (see attached following the SGS laboratory report).

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

7.0 RESULTS

Soil Results

The complete laboratory analytical reports are attached and the summarized results are provided on Tables 4 through 6. Soil sample locations are illustrated on Figure 2.

The TPH DRO and GRO results are summarized on Table 4. The TT-2939-B-7 soil sample revealed 679 milligrams per kilogram (mg/kg) DRO. All other TPH sample results were below the laboratory reporting limits.

The laboratory results per EPA Methods 8260 and 8270 are summarized on Table 5. No EPA Method 8260 or 8270 parameters were detected above the laboratory reporting limits.

The MADEP EPH and VPH laboratory results are summarized on Table 6. No MADEP EPH or VPH concentrations were detected above the lowest corresponding MSCC except in the TT-2939-B-7 sample. The TT-2939-B-7 sample revealed concentrations of the C9-C18 Aliphatics and C9-C22 Aromatics hydrocarbon fractions at concentrations of <878.542 mg/kg and 400.357 mg/kg, respectively. The C9-C18 Aliphatics and C9-C22 Aromatics results are above their respective Soil-to-Groundwater (STGW) MSCCs of 540 mg/kg and 31 mg/kg, but below the Residential MSCCs.

Groundwater Results

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

The TT2939-TW01 groundwater sample did not reveal any compound concentrations greater than the laboratory reporting limits which are below the established Gross Contaminant Levels (GCLs) and the current North Carolina Administrative Code (NCAC) T15A:02L Groundwater Quality Standard (2L GWQS).

Certificates of disposal for the USTs, fluids, and soils were not provided by the disposal facilities at the time of this report. It is assumed that the UST was nearly full of water and approximately 550-gallons were removed and properly disposed by EMD, RCRS at Building 977. Based on a 550-gallon, four (4) feet by six (6) feet, tank with a volume of approximately 75 cubic feet (2.78 cubic yards) and the UST excavation measuring 15 feet by 8 feet by 7 feet deep (31.1 cubic yards), roughly 28.3 cubic yards or 42.5 tons of soil were removed during UST TT-2939 closure and excavation activities.

8.0 CONCLUSION AND RECOMMENDATIONS

A non-commercial, non-regulated 550-gallon home heating oil UST at TT-2939 that may have leaked, has been removed and properly disposed along with potentially petroleum impacted soils. Petroleum odors and elevated PID soil headspace screening results in soils around the tank may have been the result of a leaking UST system or historical tank overfills. Approximately 28.3 cubic yards of soil were removed during the recent, over-excavation/remediation efforts at the UST location. Excavation confirmation sidewall soil samples (four) did not reveal any contaminant concentrations above the lowest corresponding MSCCs. The excavation floor sample (TT-2939-B-7) revealed MADEP EPH/VPH compounds at concentrations above the established STGW MSCCs. However, both results were below the Residential MSCCs.

Groundwater sample results from the temporary monitoring TT2939-TW01 sample indicated no compounds were detected above the laboratory reporting limits for all analyses which are also below the current (January 2010) 2L GWQSSs.

Based on the information provided within this report; it is CATLIN's opinion that the intent of the requirements of a Limited Site Assessment (LSA) Report have been met and thus is not required. Additionally, it is our opinion that the intent of a Soil Assessment and Soil Cleanup Report with Site Closure Request has been met and are not necessary. The TT-2939 should be considered a Low Risk site with the Residential MSCCs being applicable for soil cleanup and the GCLs for groundwater cleanup. The residual soil contamination detected at seven (7) feet BLS is not considered a potential secondary source of groundwater contamination or prohibitive of No Further Action status. Based on the recent Risk-Based soil and groundwater

sampling, the site should meet the requirements for No Further Action (NFA) without the filing of a Notice of Residual Petroleum and Land Use Restriction. However, public notice per 15A NCAC 2L.0409(b) will be required following NFA notification since soil contamination has been identified in excess of the STGW MSCCs.

9.0 LIMITATIONS

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

TABLES

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

Incident Name and No.: TT-2939 - Pending

UST ID Number	Name of Owner or Operator	Dates of Ownership/Operation	Owner or Operator?
TT-2939	Commanding Officer Marine Corps Base Camp Lejeune, NC	Unknown to 12/22/2009	Owner / Operator
Address (Owner / Operator)		Telephone Number (Owner / Operator)	
PSC 20004 Marine Corps Base, Camp Lejeune, 28542		(910) 451-5068	

TABLE 2

SITE HISTORY - UST SYSTEM AND RELEASE INFORMATION

Incident Name and No.: TT-2939 - Pending

UST ID Number	Last Contents	Previous Contents	Capacity (gallons)	Construction Details	Tank Dimensions	Description of Associated Piping	Date Installed	Status of UST	Was Release Associated With UST System?
TT-2939	Heating Oil	Heating Oil	550	Unknown Steel	4' x 6'	Copper	Unknown	Removed - 12/22/2009	Yes (assumed)

TABLE 3

PUBLIC AND PRIVATE WATER SUPPLY WELL AND OTHER RECEPTOR INFORMATION

Incident Name and No.: TT-2939 - Pending

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

ft. BLS = feet below land surface

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

TABLE 4
SUMMARY OF SOIL LABORATORY RESULTS
EPA METHOD 8015

Incident Name and No.: TT-2939 - Pending

Sample ID	Contaminant of Concern →		Gasoline Range Organics	Diesel Range Organics
	Date Collected	Sample Depth (ft. BLS)		
TT-2939-1	12/22/2009	5	<5.3	<6.2
TT-2939-2	12/22/2009	5	<4.6	<6.2
TT-2939-3	12/22/2009	5	<5.3	<6.1
TT-2939-4	12/22/2009	5	<4.9	<6.0
TT-2939-B-7	12/22/2009	7	<5.1	679
NCDENR Action Level (mg/kg)			10	10

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

ft. BLS = Feet Below Land Surface

NCDENR = North Carolina Department of Environment and Natural Resources

< = Less than reporting limit

Bold results indicate concentrations above the NCDENR Action Level.

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

Incident Name and No.: TT-2939 - Pending

Sample ID	Contaminant of Concern →		All EPA Method 8260 Parameters	All EPA Method 8270 Parameters
	Date Collected	Sample Depth (ft. BLS)		
TT-2939-1	12/22/2009	5	BRL	BRL
TT-2939-2	12/22/2009	5	BRL	BRL
TT-2939-3	12/22/2009	5	BRL	BRL
TT-2939-4	12/22/2009	5	BRL	BRL
TT-2939-B-7	12/22/2009	7	BRL	BRL
Residential MSCC (ug/kg)			Varies	Varies
Industrial/Commercial MSCC (ug/kg)			Varies	Varies
Soil to Groundwater MSCC (ug/kg)			Varies	Varies

ft. BLS = Feet Below Land Surface

BRL = Below Reporting Limit

MSCC = Maximum Soil Contaminant Concentration

ug/kg = micrograms per kilogram

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

TABLE 6
SUMMARY OF SOIL LABORATORY RESULTS
MADEP EPH AND VPH

Incident Name and No.: TT-2939 - 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-2939-1	12/22/2009	5	<12.4	<12.4	<12.4	<0.270	<0.585	<0.315	<0.270	<12.985	<12.4	<12.715
TT-2939-2	12/22/2009	5	<12.4	<12.4	<12.4	<0.324	<0.702	<0.378	<0.324	<13.102	<12.4	<12.778
TT-2939-3	12/22/2009	5	<12.2	<12.2	<12.2	<0.279	<0.604	<0.325	<0.279	<12.804	<12.2	<12.525
TT-2939-4	12/22/2009	5	<11.9	<11.9	<11.9	<0.238	<0.516	<0.278	<0.238	<12.416	<11.9	<12.178
TT-2939-B-7	12/22/2009	7	878	349	400	<0.250	<0.542	0.357 J	<0.250	<878.542 *	349	400.357 J
Residential MSCC (mg/kg)									939	1,500	31,000	469
Industrial/Commercial MSCC (mg/kg)									24,528	40,000	810,000	12,264
Soil to Groundwater MSCC (mg/kg)									68	540	#	31

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

Bold results indicate concentrations above lowest MSCC.

ft. BLS = Feet Below Land Surface

< = Less than reporting limit

MSCC = Maximum Soil Contaminant Concentration

= Health-Based Level (>100%)

J = Estimated concentration, below calibration range and above MDL

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

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

Incident Name and No.: TT-2939 - Pending

Well ID	Analytical Method →		EPA Method 602	EPA Method 625
	Contaminant of Concern →		All EPA Method 602 Compounds*	All EPA Method 625 Compounds*
	Date Collected	Sample ID		
TT2939-TW01	1/21/2010	TT2939-TW01	BMDL	BMDL
GCL (ug/L) 2L GWQS (ug/L)			Varies Varies	Varies 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

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

TABLE 8
SUMMARY OF GROUNDWATER LABORATORY RESULTS
MADEP EPH AND VPH

Incident Name and No.: TT-2939 - 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										
TT2939-TW01	1/21/2010	TT2939-TW01	<100	<100	<100	<100	<100	<100	<100	<200	<100	<200
GCL (ug/L) 2L GWQS (ug/L)									NE 400	NE 700	NE 10,000	NE 200

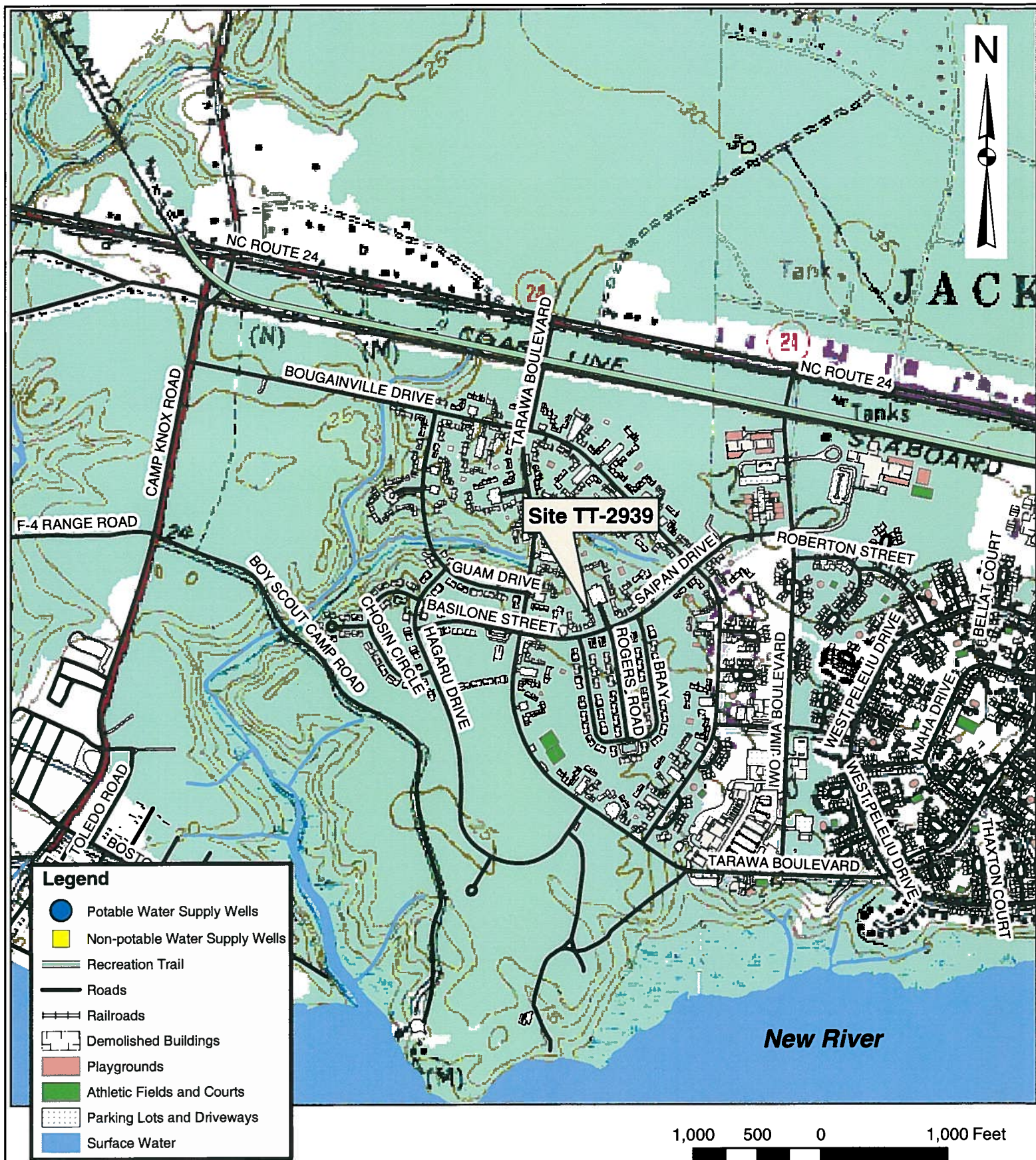
All results in micrograms per liter (ug/L).

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

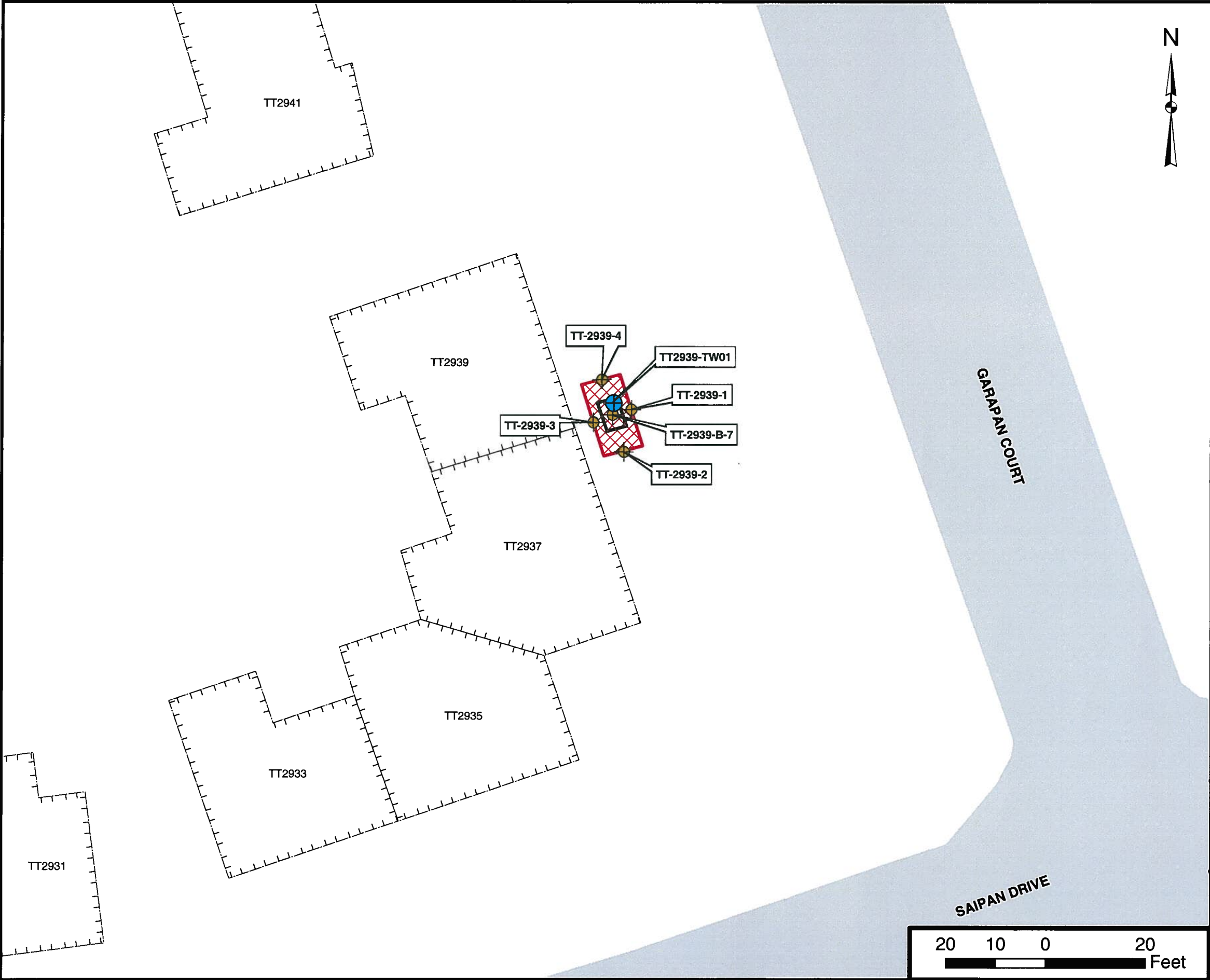
< = Less than reporting limit

NE = None Established

FIGURES



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



SITE TT-2939
IAA REPORT
MARINE CORPS BASE
CAMP LEJEUNE, NC



LEGEND

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

NOTES

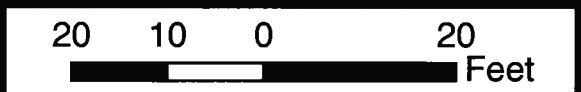
1. Data layers provided by MCB Camp Lejeune GIS office.
2. Excavation dimensions were approximately 15 feet by 8 feet by 7 feet deep.
3. Tank location, excavation boundary and soil sample locations based on site sketch provided by TMS personnel.



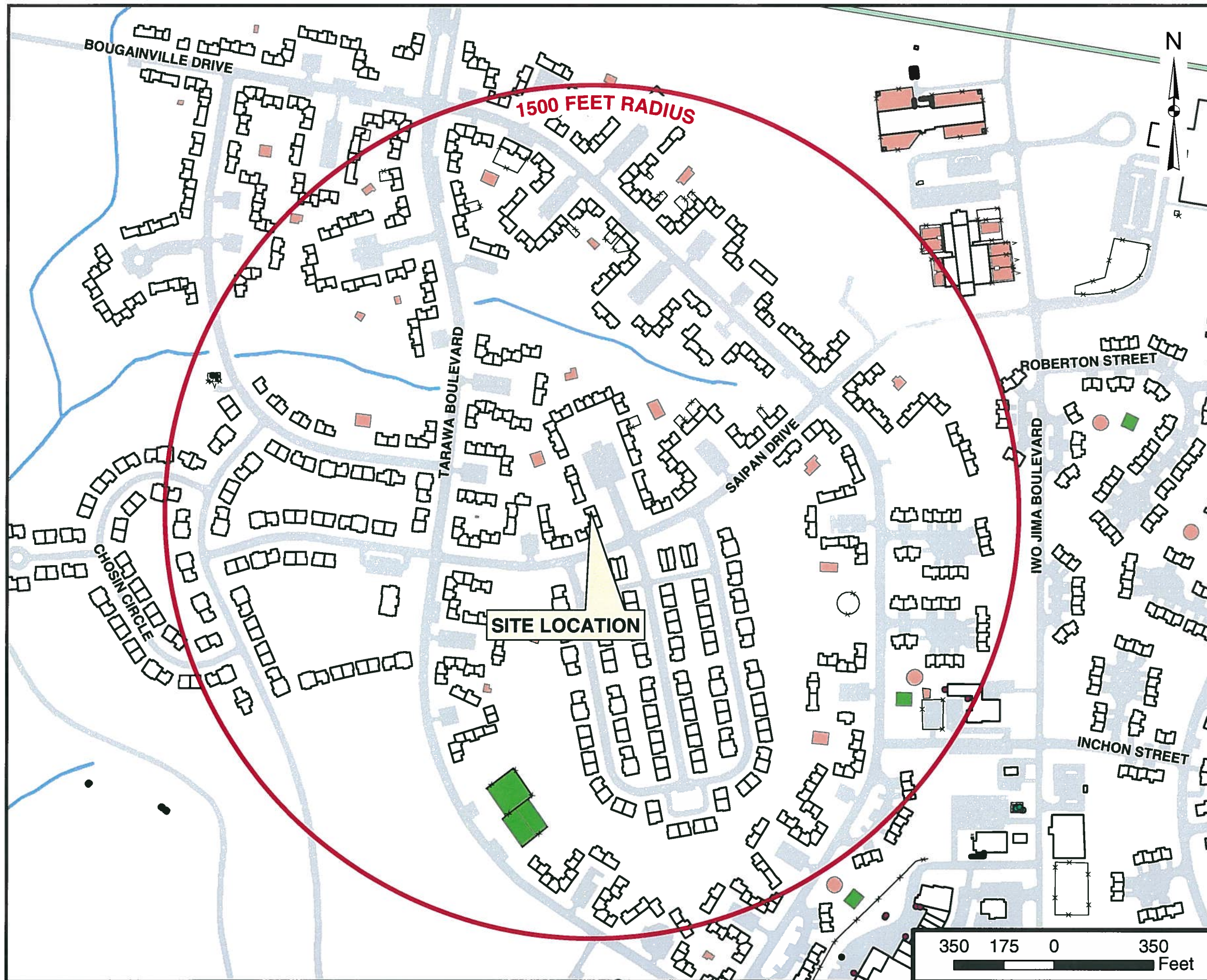
SITE MAP WITH SOIL
AND GROUNDWATER
SAMPLE LOCATIONS

FIGURE

2



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



**SITE TT-2939
IAA REPORT
MARINE CORPS BASE
CAMP LEJEUNE, NC**



LEGEND

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

NOTES

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



**SITE MAP WITH
POTENTIAL RECEPTORS**

FIGURE

3

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

APPENDICES

APPENDIX A

RISK CLASSIFICATION AND LAND USE FORM

NCDENR Risk Classification and Land Use Form

Part I - Groundwater/Surface Water/Vapor Impacts

High Risk

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

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

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

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

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

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

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

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

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

No evidence of vapor accumulation has been reported.

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

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

Intermediate Risk

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

Yes, the nearest mapped surface water body (unnamed tributary of French Creek) is located approximately 700 feet towards the north (see Figures 1 and 3).

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

YES **NO**

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

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

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

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

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

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

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

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

Part II - Land Use

Property Containing Source Area of Release

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

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

Former Building TT-2939 (which has been demolished) was a permanent residence. New permanent residences are being constructed in the immediate vicinity of the former building.

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

The area of former Building TT-2939 does not contain a place of public assembly.

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

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

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

Children may live at the new residences being constructed in the immediate vicinity of former Building TT-2939.

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

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

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

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

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

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

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

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

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

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

Property Surrounding Source Area of Release

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

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

The project site is a permanent residence.

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

The nearest place of public assembly appears to be a playground approximately 200 feet northwest of the subject site. However, as the entire area is being redeveloped with new residential housing units the locations of community playgrounds may change.

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

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

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

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

APPENDIX B

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

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

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

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

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

Facility ID Number _____
Date Leak Discovered 12/22/09
Comm/Non-Commercial? _____
Reg/Non-regulated? _____

INCIDENT DESCRIPTION

Incident Name: TT-2939 Excavation

Address: TT-2939 Tarawa Terrace Blvd

County: Onslow

City/Town: Camp Lejeune

Zip Code: 28542

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

Latitude (decimal degrees): 34 44 ' 11.25 "N Longitude (decimal degrees): 77 22 ' 39.23 "W

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

Type of release: #2 Heating Oil. Date/Amount of release
unknown. Found during land development by construction
contractor. Environmental contractor removed UST and
excavated. Soil samples had hits above lowest MSCCs, so
groundwater samples were collected. IAA Report to follow.

Obtained by:

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

Describe location:

HOW RELEASE WAS DISCOVERED (Release Code)

(Check one)

- ☐ Release Detection Equipment or Methods
☐ During UST Closure/Removal
☒ Property Transfer

- ☐ Visual/Odor
☐ Water in Tank
☐ Water Supply Well Contamination

- ☐ Groundwater Contamination
☐ Surface Water Contamination
☐ Other (specify) _____

SOURCE OF CONTAMINATION**Source of Release**

(Check one to indicate primary source)

- ☐ Tank
☐ Piping
☐ Dispenser
☐ Submersible Turbine Pump
☐ Delivery Problem
☐ Other
☒ Unknown

Definitions presented on reverse

Cause of Release

(Check one to indicate primary cause)

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

Definitions presented on reverse

Type of Release

(Check one)

- ☒ Petroleum
☐ Non-Petroleum
☐ Both

Location
(Check one)

- ☐ Facility
☒ Residence
☐ Other

Product Type Released

(Check one to indicate primary product type released)

- ☐ Gasoline/ Diesel/ Kerosene
☒ Heating Oil
☐ Other Petroleum Products
☐ Metals
☐ Other Inorganics
☐ Other Organics
☐ Diesel/Veg. Oil Blend
☐ Vegetable Oil 100%
☐ E10 - E20
☐ E21 - E84
☐ E85 - E99
☐ Ethanol 100%
☐ E01 - E09

Ownership

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

Operation Type

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

IMPACT ON DRINKING WATER SUPPLIES

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

Number of Water Supply Wells Affected _____

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

- 1.
- 2.
- 3.

UST SYSTEM OWNER

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

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

UST SYSTEM OPERATOR

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

LANDOWNER AT LOCATION OF UST INCIDENT

Landowner Same as above		Address	
City	State	Zip Code	Telephone Number

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

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

UST Form 61 (02/08)

Page 2 of 2

Definitions of Sources

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

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

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

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

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

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

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

Definitions of Causes

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

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

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

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

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

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

Unknown: use when the cause has not been determined



TT-2939 Tank Removal Site

IWO JIMA BOULEVARD

ROBERTON STREET

DIAMON COURT

STOUT COURT

BRAY

ROGERS ROAD

BASILONE STREET

CHOSIN CIRCLE

HAGARU DRIVE

GUAM DRIVE

TARAMA BOULEVARD

NC ROUTE 24

NC ROUTE 24

SAIPAN DRIVE

Unnamed

APPENDIX C

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

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

Return completed form to:

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

STATE USE ONLY:

I.D. # _____

Date Received _____

INSTRUCTIONS (READ THIS FIRST)

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

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

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

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

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

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

I. OWNERSHIP OF TANKS

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

Street Address
PSC 20004

City
MCB Camp Lejeune

County
Onslow

State
NC

Zip Code
28542-0004

Phone Number
910-451-5068

II. LOCATION OF TANKS

Facility Name or Company
Tarawa Terrace Housing

Facility ID # (if known)
N/A

Street Address
TT-2939 Tarawa Terrace Blvd

City
MCB Camp Lejeune

County
Onslow

Zip Code
28542

Phone Number
None

III. CONTACT PERSONNEL

Contact for Facility:
Bruce Markwick

Job Title:
Environmental Protection Specialist

Phone. No:
910-451-9660

Closure Contractor Name:
Rob Finley

Closure Contractor Company:
TMS

Address:
Laydown Area-Gas House Rd

Phone. No:
252-447-1700

Primary Consultant Name:
Michael E. Mason, PE

Primary Consultant Company:
Catlin

Address:
220 Old Dairy Rd Wilmington, NC

Phone. No:
910-451-5861

IV. UST INFORMATION FOR REGISTERED UST SYSTEMS

V. EXCAVATION CONDITION

Tank ID No.	Size in Gallons	Tank Dimensions	Last Contents	Last Use Date	Permanent Close Date	Change-in-Service Date	Water in excavation		Free product		Notable odor or visible soil contamination	
							Yes	No	Yes	No	Yes	No
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐

VI. UST INFORMATION FOR UNREGISTERED UST SYSTEMS

VII. EXCAVATION CONDITION

Tank ID No.	Size in Gallons	Tank Dimensions	Last Contents	Last Use Date	Permanent Close Date	Tank Owner Name *	Water in excavation		Free product		Notable odor or visible soil contamination	
							Yes	No	Yes	No	Yes	No
1	550	4' x 6'	Heating Oil	Unknown	12/22/09	See Above	☐	☒	☐	☒	☒	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐

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

VIII. CERTIFICATION

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

Print name and official title of owner or owner's authorized representative
Nick Schultz, MCB Camp Lejeune Environmental Engineer

Signature

Nick Schultz

Date Signed
2/2/2010

APPENDIX D

LABORATORY REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION

January 12, 2010

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

RE: Project: TT-2 TANK TANK
Pace Project No.: 9260290

Dear Rob Finley:

Enclosed are the analytical results for sample(s) received by the laboratory on December 24, 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,



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

Enclosures

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

REPORT OF LABORATORY ANALYSIS

Page 1 of 72

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CERTIFICATIONS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

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

Page 2 of 72

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SAMPLE ANALYTE COUNT

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9260290001	TT-2077A-4-9	EPA 8015 Modified	CAH	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		EPA 8270	CMP	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
9260290002	TT-2939-1	EPA 8015 Modified	CAH	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		EPA 8270	CMP	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
9260290003	TT-2939-2	EPA 8015 Modified	CAH	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		EPA 8270	CMP	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
9260290004	TT-2939-3	EPA 8015 Modified	RES	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		EPA 8270	CMP	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
9260290005	TT-2939-4	EPA 8015 Modified	CAH	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		EPA 8270	CMP	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
9260290006	TT-2939-B-7	EPA 8015 Modified	CAH	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		EPA 8270	CMP	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
9260290007	TT-2947-1	EPA 8015 Modified	CAH	2	PASI-C

REPORT OF LABORATORY ANALYSIS

Page 3 of 72

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SAMPLE ANALYTE COUNT

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9260290008	TT-2947-2	MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		EPA 8270	CMP	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	CAH	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		EPA 8270	CMP	74	PASI-C
		EPA 8260	DLK	71	PASI-C
9260290009	TT-2947-3	ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	CAH	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		EPA 8270	CMP	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	CAH	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
9260290010	TT-2947-4	EPA 8270	CMP	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	CAH	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		EPA 8270	CMP	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	CAH	2	PASI-C
9260290011	TT-2947-B-6.5	MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		EPA 8270	CMP	74	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	CAH	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		EPA 8270	CMP	74	PASI-C
		EPA 8260	DLK	71	PASI-C
9260290012	TT-STOCKPILE #7	ASTM D2974-87	KDF	1	PASI-C
		EPA 8015 Modified	CAH	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		ASTM D2974-87	KDF	1	PASI-C

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2077A-4-9 Lab ID: 9260290001 Collected: 12/21/09 08:40 Received: 12/24/09 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		6.1	1	01/04/10 11:00	01/04/10 20:22	68334-30-5	
n-Pentacosane (S)	61 %		50-135	1	01/04/10 11:00	01/04/10 20:22	629-99-2	
MADEP EPH NC Soil								
Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		12.3	1	12/30/09 16:00	01/05/10 23:34		
Aliphatic (C19-C36)	ND mg/kg		12.3	1	12/30/09 16:00	01/05/10 23:34		
Aromatic (C11-C22)	ND mg/kg		12.3	1	12/30/09 16:00	01/05/10 23:34		
Nonatriacontane (S)	82 %		40-140	1	12/30/09 16:00	01/05/10 23:34	7194-86-7	
o-Terphenyl (S)	62 %		40-140	1	12/30/09 16:00	01/05/10 23:34	84-15-1	
2-Fluorobiphenyl (S)	79 %		40-140	1	12/30/09 16:00	01/05/10 23:34	321-60-8	
2-Bromonaphthalene (S)	79 %		40-140	1	12/30/09 16:00	01/05/10 23:34	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	12/30/09 17:21	12/31/09 02:58	8006-61-9	
4-Bromofluorobenzene (S)	132 %		50-135	1	12/30/09 17:21	12/31/09 02:58	460-00-4	
8270 MSSV Microwave								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	83-32-9	
Acenaphthylene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	208-96-8	
Aniline	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	62-53-3	
Anthracene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	120-12-7	
Benzo(a)anthracene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	56-55-3	
Benzo(a)pyrene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	207-08-9	
Benzoic Acid	ND ug/kg		2020	1	01/04/10 16:15	01/12/10 02:08	65-85-0	
Benzyl alcohol	ND ug/kg		809	1	01/04/10 16:15	01/12/10 02:08	100-51-6	
4-Bromophenylphenyl ether	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	101-55-3	
Butylbenzylphthalate	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		809	1	01/04/10 16:15	01/12/10 02:08	59-50-7	
4-Chloroaniline	ND ug/kg		2020	1	01/04/10 16:15	01/12/10 02:08	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	108-60-1	
2-Chloronaphthalene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	91-58-7	
2-Chlorophenol	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	7005-72-3	
Chrysene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	53-70-3	
Dibenzofuran	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	132-64-9	
1,2-Dichlorobenzene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	106-46-7	
3,3'-Dichlorobenzidine	ND ug/kg		2020	1	01/04/10 16:15	01/12/10 02:08	91-94-1	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2077A-4-9 Lab ID: 9260290001 Collected: 12/21/09 08:40 Received: 12/24/09 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
2,4-Dichlorophenol	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	120-83-2	
Diethylphthalate	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	84-66-2	
2,4-Dimethylphenol	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	105-67-9	
Dimethylphthalate	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	131-11-3	
Di-n-butylphthalate	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		809	1	01/04/10 16:15	01/12/10 02:08	534-52-1	
2,4-Dinitrophenol	ND ug/kg		2020	1	01/04/10 16:15	01/12/10 02:08	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	606-20-2	
Di-n-octylphthalate	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	117-81-7	
Fluoranthene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	206-44-0	
Fluorene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	87-68-3	
Hexachlorobenzene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	77-47-4	
Hexachloroethane	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	193-39-5	
Isophorone	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	78-59-1	
1-Methylnaphthalene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	90-12-0	
2-Methylnaphthalene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	95-48-7	F3
3&4-Methylphenol(m&p Cresol)	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08		
Naphthalene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	91-20-3	
2-Nitroaniline	ND ug/kg		2020	1	01/04/10 16:15	01/12/10 02:08	88-74-4	
3-Nitroaniline	ND ug/kg		2020	1	01/04/10 16:15	01/12/10 02:08	99-09-2	
4-Nitroaniline	ND ug/kg		809	1	01/04/10 16:15	01/12/10 02:08	100-01-6	
Nitrobenzene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	98-95-3	
2-Nitrophenol	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	88-75-5	
4-Nitrophenol	ND ug/kg		2020	1	01/04/10 16:15	01/12/10 02:08	100-02-7	
N-Nitrosodimethylamine	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	86-30-6	
Pentachlorophenol	ND ug/kg		2020	1	01/04/10 16:15	01/12/10 02:08	87-86-5	
Phenanthrene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	85-01-8	
Phenol	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	108-95-2	
Pyrene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		404	1	01/04/10 16:15	01/12/10 02:08	88-06-2	
Nitrobenzene-d5 (S)	62 %		30-150	1	01/04/10 16:15	01/12/10 02:08	4165-60-0	
2-Fluorobiphenyl (S)	53 %		46-120	1	01/04/10 16:15	01/12/10 02:08	321-60-8	
Terphenyl-d14 (S)	39 %		38-108	1	01/04/10 16:15	01/12/10 02:08	1718-51-0	
Phenol-d6 (S)	57 %		35-120	1	01/04/10 16:15	01/12/10 02:08	13127-88-3	
2-Fluorophenol (S)	55 %		24-120	1	01/04/10 16:15	01/12/10 02:08	367-12-4	
2,4,6-Tribromophenol (S)	58 %		44-136	1	01/04/10 16:15	01/12/10 02:08	118-79-6	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2077A-4-9 Lab ID: 9260290001 Collected: 12/21/09 08:40 Received: 12/24/09 10:00 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						
Acetone	ND	ug/kg	90.8	1		12/31/09 12:39	67-64-1	
Benzene	ND	ug/kg	4.5	1		12/31/09 12:39	71-43-2	
Bromobenzene	ND	ug/kg	4.5	1		12/31/09 12:39	108-86-1	
Bromochloromethane	ND	ug/kg	4.5	1		12/31/09 12:39	74-97-5	
Bromodichloromethane	ND	ug/kg	4.5	1		12/31/09 12:39	75-27-4	
Bromoform	ND	ug/kg	4.5	1		12/31/09 12:39	75-25-2	
Bromomethane	ND	ug/kg	9.1	1		12/31/09 12:39	74-83-9	
2-Butanone (MEK)	ND	ug/kg	90.8	1		12/31/09 12:39	78-93-3	
n-Butylbenzene	ND	ug/kg	4.5	1		12/31/09 12:39	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.5	1		12/31/09 12:39	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.5	1		12/31/09 12:39	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.5	1		12/31/09 12:39	56-23-5	
Chlorobenzene	ND	ug/kg	4.5	1		12/31/09 12:39	108-90-7	
Chloroethane	ND	ug/kg	9.1	1		12/31/09 12:39	75-00-3	
Chloroform	ND	ug/kg	4.5	1		12/31/09 12:39	67-66-3	
Chloromethane	ND	ug/kg	9.1	1		12/31/09 12:39	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.5	1		12/31/09 12:39	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.5	1		12/31/09 12:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.5	1		12/31/09 12:39	96-12-8	
Dibromochloromethane	ND	ug/kg	4.5	1		12/31/09 12:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.5	1		12/31/09 12:39	106-93-4	
Dibromomethane	ND	ug/kg	4.5	1		12/31/09 12:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.5	1		12/31/09 12:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.5	1		12/31/09 12:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.5	1		12/31/09 12:39	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.1	1		12/31/09 12:39	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.5	1		12/31/09 12:39	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.5	1		12/31/09 12:39	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.5	1		12/31/09 12:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.5	1		12/31/09 12:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.5	1		12/31/09 12:39	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.5	1		12/31/09 12:39	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.5	1		12/31/09 12:39	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.5	1		12/31/09 12:39	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.5	1		12/31/09 12:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.5	1		12/31/09 12:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.5	1		12/31/09 12:39	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.5	1		12/31/09 12:39	108-20-3	
Ethylbenzene	ND	ug/kg	4.5	1		12/31/09 12:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.5	1		12/31/09 12:39	87-68-3	
2-Hexanone	ND	ug/kg	45.4	1		12/31/09 12:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.5	1		12/31/09 12:39	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.5	1		12/31/09 12:39	99-87-6	
Methylene Chloride	ND	ug/kg	18.2	1		12/31/09 12:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	45.4	1		12/31/09 12:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.5	1		12/31/09 12:39	1634-04-4	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2077A-4-9 Lab ID: 9260290001 Collected: 12/21/09 08:40 Received: 12/24/09 10:00 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						
Naphthalene	ND	ug/kg	4.5	1		12/31/09 12:39	91-20-3	
n-Propylbenzene	ND	ug/kg	4.5	1		12/31/09 12:39	103-65-1	
Styrene	ND	ug/kg	4.5	1		12/31/09 12:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.5	1		12/31/09 12:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.5	1		12/31/09 12:39	79-34-5	
Tetrachloroethene	ND	ug/kg	4.5	1		12/31/09 12:39	127-18-4	
Toluene	ND	ug/kg	4.5	1		12/31/09 12:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.5	1		12/31/09 12:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.5	1		12/31/09 12:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.5	1		12/31/09 12:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.5	1		12/31/09 12:39	79-00-5	
Trichloroethene	ND	ug/kg	4.5	1		12/31/09 12:39	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.5	1		12/31/09 12:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.5	1		12/31/09 12:39	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.5	1		12/31/09 12:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.5	1		12/31/09 12:39	108-67-8	
Vinyl acetate	ND	ug/kg	45.4	1		12/31/09 12:39	108-05-4	
Vinyl chloride	ND	ug/kg	9.1	1		12/31/09 12:39	75-01-4	
Xylene (Total)	ND	ug/kg	9.1	1		12/31/09 12:39	1330-20-7	
m&p-Xylene	ND	ug/kg	9.1	1		12/31/09 12:39	1330-20-7	
o-Xylene	ND	ug/kg	4.5	1		12/31/09 12:39	95-47-6	
Dibromofluoromethane (S)	96 %		79-116	1		12/31/09 12:39	1868-53-7	
Toluene-d8 (S)	100 %		88-110	1		12/31/09 12:39	2037-26-5	
4-Bromofluorobenzene (S)	97 %		74-115	1		12/31/09 12:39	460-00-4	
1,2-Dichloroethane-d4 (S)	104 %		69-121	1		12/31/09 12:39	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	18.4 %		0.10	1		12/28/09 16:12		

ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2939-1 **Lab ID: 9260290002** Collected: 12/22/09 08:30 Received: 12/24/09 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		6.2	1	01/04/10 11:00	01/04/10 20:50	68334-30-5	
n-Pentacosane (S)	66 %		50-135	1	01/04/10 11:00	01/04/10 20:50	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		12.4	1	12/30/09 16:00	01/06/10 00:08		
Aliphatic (C19-C36)	ND mg/kg		12.4	1	12/30/09 16:00	01/06/10 00:08		
Aromatic (C11-C22)	ND mg/kg		12.4	1	12/30/09 16:00	01/06/10 00:08		
Nonatriacontane (S)	82 %		40-140	1	12/30/09 16:00	01/06/10 00:08	7194-86-7	
o-Terphenyl (S)	82 %		40-140	1	12/30/09 16:00	01/06/10 00:08	84-15-1	
2-Fluorobiphenyl (S)	96 %		40-140	1	12/30/09 16:00	01/06/10 00:08	321-60-8	
2-Bromonaphthalene (S)	95 %		40-140	1	12/30/09 16:00	01/06/10 00:08	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	01/05/10 16:15	01/05/10 22:29	8006-61-9	
4-Bromofluorobenzene (S)	120 %		50-135	1	01/05/10 16:15	01/05/10 22:29	460-00-4	
8270 MSSV Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	83-32-9	
Acenaphthylene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	208-96-8	
Aniline	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	62-53-3	
Anthracene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	120-12-7	
Benzo(a)anthracene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	56-55-3	
Benzo(a)pyrene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	207-08-9	
Benzoic Acid	ND ug/kg		2040	1	01/05/10 14:30	01/08/10 15:15	65-85-0	
Benzyl alcohol	ND ug/kg		817	1	01/05/10 14:30	01/08/10 15:15	100-51-6	
4-Bromophenylphenyl ether	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	101-55-3	
Butylbenzylphthalate	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		817	1	01/05/10 14:30	01/08/10 15:15	59-50-7	
4-Chloroaniline	ND ug/kg		2040	1	01/05/10 14:30	01/08/10 15:15	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	108-60-1	
2-Chloronaphthalene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	91-58-7	
2-Chlorophenol	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	7005-72-3	
Chrysene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	53-70-3	
Dibenzofuran	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	132-64-9	
1,2-Dichlorobenzene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	106-46-7	
3,3'-Dichlorobenzidine	ND ug/kg		2040	1	01/05/10 14:30	01/08/10 15:15	91-94-1	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2939-1 Lab ID: 9260290002 Collected: 12/22/09 08:30 Received: 12/24/09 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
2,4-Dichlorophenol	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	120-83-2	
Diethylphthalate	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	84-66-2	
2,4-Dimethylphenol	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	105-67-9	
Dimethylphthalate	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	131-11-3	
Di-n-butylphthalate	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		817	1	01/05/10 14:30	01/08/10 15:15	534-52-1	
2,4-Dinitrophenol	ND ug/kg		2040	1	01/05/10 14:30	01/08/10 15:15	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	606-20-2	
Di-n-octylphthalate	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	117-81-7	
Fluoranthene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	206-44-0	
Fluorene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	87-68-3	
Hexachlorobenzene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	77-47-4	
Hexachloroethane	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	193-39-5	
Isophorone	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	78-59-1	
1-Methylnaphthalene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	90-12-0	
2-Methylnaphthalene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15		
Naphthalene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	91-20-3	
2-Nitroaniline	ND ug/kg		2040	1	01/05/10 14:30	01/08/10 15:15	88-74-4	
3-Nitroaniline	ND ug/kg		2040	1	01/05/10 14:30	01/08/10 15:15	99-09-2	
4-Nitroaniline	ND ug/kg		817	1	01/05/10 14:30	01/08/10 15:15	100-01-6	
Nitrobenzene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	98-95-3	
2-Nitrophenol	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	88-75-5	
4-Nitrophenol	ND ug/kg		2040	1	01/05/10 14:30	01/08/10 15:15	100-02-7	
N-Nitrosodimethylamine	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	86-30-6	
Pentachlorophenol	ND ug/kg		2040	1	01/05/10 14:30	01/08/10 15:15	87-86-5	
Phenanthrene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	85-01-8	
Phenol	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	108-95-2	
Pyrene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		409	1	01/05/10 14:30	01/08/10 15:15	88-06-2	
Nitrobenzene-d5 (S)	67 %		30-150	1	01/05/10 14:30	01/08/10 15:15	4165-60-0	
2-Fluorobiphenyl (S)	63 %		46-120	1	01/05/10 14:30	01/08/10 15:15	321-60-8	
Terphenyl-d14 (S)	76 %		38-108	1	01/05/10 14:30	01/08/10 15:15	1718-51-0	
Phenol-d6 (S)	65 %		35-120	1	01/05/10 14:30	01/08/10 15:15	13127-88-3	
2-Fluorophenol (S)	61 %		24-120	1	01/05/10 14:30	01/08/10 15:15	367-12-4	
2,4,6-Tribromophenol (S)	97 %		44-136	1	01/05/10 14:30	01/08/10 15:15	118-79-6	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2939-1 Lab ID: 9260290002 Collected: 12/22/09 08:30 Received: 12/24/09 10:00 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						
Acetone	ND	ug/kg	90.7	1		12/31/09 12:57	67-64-1	
Benzene	ND	ug/kg	4.5	1		12/31/09 12:57	71-43-2	
Bromobenzene	ND	ug/kg	4.5	1		12/31/09 12:57	108-86-1	
Bromochloromethane	ND	ug/kg	4.5	1		12/31/09 12:57	74-97-5	
Bromodichloromethane	ND	ug/kg	4.5	1		12/31/09 12:57	75-27-4	
Bromoform	ND	ug/kg	4.5	1		12/31/09 12:57	75-25-2	
Bromomethane	ND	ug/kg	9.1	1		12/31/09 12:57	74-83-9	
2-Butanone (MEK)	ND	ug/kg	90.7	1		12/31/09 12:57	78-93-3	
n-Butylbenzene	ND	ug/kg	4.5	1		12/31/09 12:57	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.5	1		12/31/09 12:57	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.5	1		12/31/09 12:57	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.5	1		12/31/09 12:57	56-23-5	
Chlorobenzene	ND	ug/kg	4.5	1		12/31/09 12:57	108-90-7	
Chloroethane	ND	ug/kg	9.1	1		12/31/09 12:57	75-00-3	
Chloroform	ND	ug/kg	4.5	1		12/31/09 12:57	67-66-3	
Chloromethane	ND	ug/kg	9.1	1		12/31/09 12:57	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.5	1		12/31/09 12:57	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.5	1		12/31/09 12:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.5	1		12/31/09 12:57	96-12-8	
Dibromochloromethane	ND	ug/kg	4.5	1		12/31/09 12:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.5	1		12/31/09 12:57	106-93-4	
Dibromomethane	ND	ug/kg	4.5	1		12/31/09 12:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.5	1		12/31/09 12:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.5	1		12/31/09 12:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.5	1		12/31/09 12:57	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.1	1		12/31/09 12:57	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.5	1		12/31/09 12:57	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.5	1		12/31/09 12:57	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.5	1		12/31/09 12:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.5	1		12/31/09 12:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.5	1		12/31/09 12:57	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.5	1		12/31/09 12:57	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.5	1		12/31/09 12:57	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.5	1		12/31/09 12:57	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.5	1		12/31/09 12:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.5	1		12/31/09 12:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.5	1		12/31/09 12:57	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.5	1		12/31/09 12:57	108-20-3	
Ethylbenzene	ND	ug/kg	4.5	1		12/31/09 12:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.5	1		12/31/09 12:57	87-68-3	
2-Hexanone	ND	ug/kg	45.3	1		12/31/09 12:57	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.5	1		12/31/09 12:57	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.5	1		12/31/09 12:57	99-87-6	
Methylene Chloride	ND	ug/kg	18.1	1		12/31/09 12:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	45.3	1		12/31/09 12:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.5	1		12/31/09 12:57	1634-04-4	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2939-1 **Lab ID:** 9260290002 **Collected:** 12/22/09 08:30 **Received:** 12/24/09 10:00 **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						
Naphthalene	ND	ug/kg	4.5	1		12/31/09 12:57	91-20-3	
n-Propylbenzene	ND	ug/kg	4.5	1		12/31/09 12:57	103-65-1	
Styrene	ND	ug/kg	4.5	1		12/31/09 12:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.5	1		12/31/09 12:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.5	1		12/31/09 12:57	79-34-5	
Tetrachloroethene	ND	ug/kg	4.5	1		12/31/09 12:57	127-18-4	
Toluene	ND	ug/kg	4.5	1		12/31/09 12:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.5	1		12/31/09 12:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.5	1		12/31/09 12:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.5	1		12/31/09 12:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.5	1		12/31/09 12:57	79-00-5	
Trichloroethene	ND	ug/kg	4.5	1		12/31/09 12:57	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.5	1		12/31/09 12:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.5	1		12/31/09 12:57	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.5	1		12/31/09 12:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.5	1		12/31/09 12:57	108-67-8	
Vinyl acetate	ND	ug/kg	45.3	1		12/31/09 12:57	108-05-4	
Vinyl chloride	ND	ug/kg	9.1	1		12/31/09 12:57	75-01-4	
Xylene (Total)	ND	ug/kg	9.1	1		12/31/09 12:57	1330-20-7	
m&p-Xylene	ND	ug/kg	9.1	1		12/31/09 12:57	1330-20-7	
o-Xylene	ND	ug/kg	4.5	1		12/31/09 12:57	95-47-6	
Dibromofluoromethane (S)	96 %		79-116	1		12/31/09 12:57	1868-53-7	
Toluene-d8 (S)	103 %		88-110	1		12/31/09 12:57	2037-26-5	
4-Bromofluorobenzene (S)	100 %		74-115	1		12/31/09 12:57	460-00-4	
1,2-Dichloroethane-d4 (S)	108 %		69-121	1		12/31/09 12:57	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	19.2 %	0.10	1	12/28/09 16:12
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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2939-2 **Lab ID:** 9260290003 **Collected:** 12/22/09 08:45 **Received:** 12/24/09 10:00 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		6.2	1	01/04/10 11:00	01/04/10 20:50	68334-30-5	
n-Pentacosane (S)	70 %		50-135	1	01/04/10 11:00	01/04/10 20:50	629-99-2	
MADEP EPH NC Soil								
Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		12.4	1	12/30/09 16:00	01/06/10 00:42		
Aliphatic (C19-C36)	ND mg/kg		12.4	1	12/30/09 16:00	01/06/10 00:42		
Aromatic (C11-C22)	ND mg/kg		12.4	1	12/30/09 16:00	01/06/10 00:42		
Nonatriacontane (S)	47 %		40-140	1	12/30/09 16:00	01/06/10 00:42	7194-86-7	
o-Terphenyl (S)	74 %		40-140	1	12/30/09 16:00	01/06/10 00:42	84-15-1	
2-Fluorobiphenyl (S)	85 %		40-140	1	12/30/09 16:00	01/06/10 00:42	321-60-8	
2-Bromonaphthalene (S)	86 %		40-140	1	12/30/09 16:00	01/06/10 00:42	580-13-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		4.6	1	01/05/10 16:15	01/05/10 22:04	8006-61-9	
4-Bromofluorobenzene (S)	117 %		50-135	1	01/05/10 16:15	01/05/10 22:04	460-00-4	
8270 MSSV Microwave								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	83-32-9	
Acenaphthylene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	208-96-8	
Aniline	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	62-53-3	
Anthracene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	120-12-7	
Benzo(a)anthracene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	56-55-3	
Benzo(a)pyrene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	207-08-9	
Benzoic Acid	ND ug/kg		2040	1	01/05/10 14:30	01/08/10 15:45	65-85-0	
Benzyl alcohol	ND ug/kg		817	1	01/05/10 14:30	01/08/10 15:45	100-51-6	
4-Bromophenylphenyl ether	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	101-55-3	
Butylbenzylphthalate	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		817	1	01/05/10 14:30	01/08/10 15:45	59-50-7	
4-Chloroaniline	ND ug/kg		2040	1	01/05/10 14:30	01/08/10 15:45	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	108-60-1	
2-Chloronaphthalene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	91-58-7	
2-Chlorophenol	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	7005-72-3	
Chrysene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	53-70-3	
Dibenzofuran	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	132-64-9	
1,2-Dichlorobenzene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	106-46-7	
3,3'-Dichlorobenzidine	ND ug/kg		2040	1	01/05/10 14:30	01/08/10 15:45	91-94-1	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2939-2 Lab ID: 9260290003 Collected: 12/22/09 08:45 Received: 12/24/09 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
2,4-Dichlorophenol	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	120-83-2	
Diethylphthalate	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	84-66-2	
2,4-Dimethylphenol	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	105-67-9	
Dimethylphthalate	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	131-11-3	
Di-n-butylphthalate	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		817	1	01/05/10 14:30	01/08/10 15:45	534-52-1	
2,4-Dinitrophenol	ND ug/kg		2040	1	01/05/10 14:30	01/08/10 15:45	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	606-20-2	
Di-n-octylphthalate	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	117-81-7	
Fluoranthene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	206-44-0	
Fluorene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	87-68-3	
Hexachlorobenzene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	77-47-4	
Hexachloroethane	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	193-39-5	
Isophorone	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	78-59-1	
1-Methylnaphthalene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	90-12-0	
2-Methylnaphthalene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45		
Naphthalene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	91-20-3	
2-Nitroaniline	ND ug/kg		2040	1	01/05/10 14:30	01/08/10 15:45	88-74-4	
3-Nitroaniline	ND ug/kg		2040	1	01/05/10 14:30	01/08/10 15:45	99-09-2	
4-Nitroaniline	ND ug/kg		817	1	01/05/10 14:30	01/08/10 15:45	100-01-6	
Nitrobenzene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	98-95-3	
2-Nitrophenol	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	88-75-5	
4-Nitrophenol	ND ug/kg		2040	1	01/05/10 14:30	01/08/10 15:45	100-02-7	
N-Nitrosodimethylamine	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	86-30-6	
Pentachlorophenol	ND ug/kg		2040	1	01/05/10 14:30	01/08/10 15:45	87-86-5	
Phenanthrene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	85-01-8	
Phenol	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	108-95-2	
Pyrene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		408	1	01/05/10 14:30	01/08/10 15:45	88-06-2	
Nitrobenzene-d5 (S)	72 %		30-150	1	01/05/10 14:30	01/08/10 15:45	4165-60-0	
2-Fluorobiphenyl (S)	69 %		46-120	1	01/05/10 14:30	01/08/10 15:45	321-60-8	
Terphenyl-d14 (S)	75 %		38-108	1	01/05/10 14:30	01/08/10 15:45	1718-51-0	
Phenol-d6 (S)	70 %		35-120	1	01/05/10 14:30	01/08/10 15:45	13127-88-3	
2-Fluorophenol (S)	65 %		24-120	1	01/05/10 14:30	01/08/10 15:45	367-12-4	
2,4,6-Tribromophenol (S)	98 %		44-136	1	01/05/10 14:30	01/08/10 15:45	118-79-6	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2939-2 Lab ID: 9260290003 Collected: 12/22/09 08:45 Received: 12/24/09 10:00 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						
Acetone	ND	ug/kg	86.4	1		12/31/09 13:25	67-64-1	
Benzene	ND	ug/kg	4.3	1		12/31/09 13:25	71-43-2	
Bromobenzene	ND	ug/kg	4.3	1		12/31/09 13:25	108-86-1	
Bromochloromethane	ND	ug/kg	4.3	1		12/31/09 13:25	74-97-5	
Bromodichloromethane	ND	ug/kg	4.3	1		12/31/09 13:25	75-27-4	
Bromoform	ND	ug/kg	4.3	1		12/31/09 13:25	75-25-2	
Bromomethane	ND	ug/kg	8.6	1		12/31/09 13:25	74-83-9	
2-Butanone (MEK)	ND	ug/kg	86.4	1		12/31/09 13:25	78-93-3	
n-Butylbenzene	ND	ug/kg	4.3	1		12/31/09 13:25	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.3	1		12/31/09 13:25	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.3	1		12/31/09 13:25	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.3	1		12/31/09 13:25	56-23-5	
Chlorobenzene	ND	ug/kg	4.3	1		12/31/09 13:25	108-90-7	
Chloroethane	ND	ug/kg	8.6	1		12/31/09 13:25	75-00-3	
Chloroform	ND	ug/kg	4.3	1		12/31/09 13:25	67-66-3	
Chloromethane	ND	ug/kg	8.6	1		12/31/09 13:25	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.3	1		12/31/09 13:25	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.3	1		12/31/09 13:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.3	1		12/31/09 13:25	96-12-8	
Dibromochloromethane	ND	ug/kg	4.3	1		12/31/09 13:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.3	1		12/31/09 13:25	106-93-4	
Dibromomethane	ND	ug/kg	4.3	1		12/31/09 13:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.3	1		12/31/09 13:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.3	1		12/31/09 13:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.3	1		12/31/09 13:25	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.6	1		12/31/09 13:25	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.3	1		12/31/09 13:25	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.3	1		12/31/09 13:25	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.3	1		12/31/09 13:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.3	1		12/31/09 13:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.3	1		12/31/09 13:25	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.3	1		12/31/09 13:25	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.3	1		12/31/09 13:25	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.3	1		12/31/09 13:25	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.3	1		12/31/09 13:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.3	1		12/31/09 13:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.3	1		12/31/09 13:25	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.3	1		12/31/09 13:25	108-20-3	
Ethylbenzene	ND	ug/kg	4.3	1		12/31/09 13:25	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.3	1		12/31/09 13:25	87-68-3	
2-Hexanone	ND	ug/kg	43.2	1		12/31/09 13:25	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.3	1		12/31/09 13:25	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.3	1		12/31/09 13:25	99-87-6	
Methylene Chloride	ND	ug/kg	17.3	1		12/31/09 13:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	43.2	1		12/31/09 13:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.3	1		12/31/09 13:25	1634-04-4	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2939-2 **Lab ID:** 9260290003 **Collected:** 12/22/09 08:45 **Received:** 12/24/09 10:00 **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						
Naphthalene	ND	ug/kg	4.3	1		12/31/09 13:25	91-20-3	
n-Propylbenzene	ND	ug/kg	4.3	1		12/31/09 13:25	103-65-1	
Styrene	ND	ug/kg	4.3	1		12/31/09 13:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.3	1		12/31/09 13:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.3	1		12/31/09 13:25	79-34-5	
Tetrachloroethene	ND	ug/kg	4.3	1		12/31/09 13:25	127-18-4	
Toluene	ND	ug/kg	4.3	1		12/31/09 13:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.3	1		12/31/09 13:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.3	1		12/31/09 13:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.3	1		12/31/09 13:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.3	1		12/31/09 13:25	79-00-5	
Trichloroethene	ND	ug/kg	4.3	1		12/31/09 13:25	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.3	1		12/31/09 13:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.3	1		12/31/09 13:25	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.3	1		12/31/09 13:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.3	1		12/31/09 13:25	108-67-8	
Vinyl acetate	ND	ug/kg	43.2	1		12/31/09 13:25	108-05-4	
Vinyl chloride	ND	ug/kg	8.6	1		12/31/09 13:25	75-01-4	
Xylene (Total)	ND	ug/kg	8.6	1		12/31/09 13:25	1330-20-7	
m&p-Xylene	ND	ug/kg	8.6	1		12/31/09 13:25	1330-20-7	
o-Xylene	ND	ug/kg	4.3	1		12/31/09 13:25	95-47-6	
Dibromofluoromethane (S)	92 %		79-116	1		12/31/09 13:25	1868-53-7	
Toluene-d8 (S)	101 %		88-110	1		12/31/09 13:25	2037-26-5	
4-Bromofluorobenzene (S)	98 %		74-115	1		12/31/09 13:25	460-00-4	
1,2-Dichloroethane-d4 (S)	90 %		69-121	1		12/31/09 13:25	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	19.2 %		0.10	1		12/28/09 16:13		

ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2939-3 **Lab ID:** 9260290004 **Collected:** 12/22/09 08:40 **Received:** 12/24/09 10:00 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		6.1	1	01/06/10 09:50	01/07/10 11:25	68334-30-5	H5
n-Pentacosane (S)	81 %		50-135	1	01/06/10 09:50	01/07/10 11:25	629-99-2	
MADEP EPH NC Soil								
Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		12.2	1	12/30/09 16:00	01/06/10 01:16		
Aliphatic (C19-C36)	ND mg/kg		12.2	1	12/30/09 16:00	01/06/10 01:16		
Aromatic (C11-C22)	ND mg/kg		12.2	1	12/30/09 16:00	01/06/10 01:16		
Nonatriacontane (S)	60 %		40-140	1	12/30/09 16:00	01/06/10 01:16	7194-86-7	
o-Terphenyl (S)	59 %		40-140	1	12/30/09 16:00	01/06/10 01:16	84-15-1	
2-Fluorobiphenyl (S)	71 %		40-140	1	12/30/09 16:00	01/06/10 01:16	321-60-8	
2-Bromonaphthalene (S)	72 %		40-140	1	12/30/09 16:00	01/06/10 01:16	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	01/05/10 16:15	01/05/10 21:40	8006-61-9	
4-Bromofluorobenzene (S)	120 %		50-135	1	01/05/10 16:15	01/05/10 21:40	460-00-4	
8270 MSSV Microwave								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	83-32-9	
Acenaphthylene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	208-96-8	
Aniline	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	62-53-3	
Anthracene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	120-12-7	
Benzo(a)anthracene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	56-55-3	
Benzo(a)pyrene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	207-08-9	
Benzoic Acid	ND ug/kg		2010	1	01/05/10 14:30	01/08/10 16:15	65-85-0	
Benzyl alcohol	ND ug/kg		803	1	01/05/10 14:30	01/08/10 16:15	100-51-6	
4-Bromophenylphenyl ether	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	101-55-3	
Butylbenzylphthalate	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		803	1	01/05/10 14:30	01/08/10 16:15	59-50-7	
4-Chloroaniline	ND ug/kg		2010	1	01/05/10 14:30	01/08/10 16:15	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	108-60-1	
2-Chloronaphthalene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	91-58-7	
2-Chlorophenol	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	7005-72-3	
Chrysene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	53-70-3	
Dibenzofuran	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	132-64-9	
1,2-Dichlorobenzene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	106-46-7	
3,3'-Dichlorobenzidine	ND ug/kg		2010	1	01/05/10 14:30	01/08/10 16:15	91-94-1	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2939-3 Lab ID: 9260290004 Collected: 12/22/09 08:40 Received: 12/24/09 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
2,4-Dichlorophenol	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	120-83-2	
Diethylphthalate	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	84-66-2	
2,4-Dimethylphenol	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	105-67-9	
Dimethylphthalate	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	131-11-3	
Di-n-butylphthalate	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		803	1	01/05/10 14:30	01/08/10 16:15	534-52-1	
2,4-Dinitrophenol	ND ug/kg		2010	1	01/05/10 14:30	01/08/10 16:15	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	606-20-2	
Di-n-octylphthalate	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	117-81-7	
Fluoranthene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	206-44-0	
Fluorene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	87-68-3	
Hexachlorobenzene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	77-47-4	
Hexachloroethane	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	193-39-5	
Isophorone	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	78-59-1	
1-Methylnaphthalene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	90-12-0	
2-Methylnaphthalene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15		
Naphthalene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	91-20-3	
2-Nitroaniline	ND ug/kg		2010	1	01/05/10 14:30	01/08/10 16:15	88-74-4	
3-Nitroaniline	ND ug/kg		2010	1	01/05/10 14:30	01/08/10 16:15	99-09-2	
4-Nitroaniline	ND ug/kg		803	1	01/05/10 14:30	01/08/10 16:15	100-01-6	
Nitrobenzene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	98-95-3	
2-Nitrophenol	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	88-75-5	
4-Nitrophenol	ND ug/kg		2010	1	01/05/10 14:30	01/08/10 16:15	100-02-7	
N-Nitrosodimethylamine	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	86-30-6	
Pentachlorophenol	ND ug/kg		2010	1	01/05/10 14:30	01/08/10 16:15	87-86-5	
Phenanthrene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	85-01-8	
Phenol	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	108-95-2	
Pyrene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		402	1	01/05/10 14:30	01/08/10 16:15	88-06-2	
Nitrobenzene-d5 (S)	62 %		30-150	1	01/05/10 14:30	01/08/10 16:15	4165-60-0	
2-Fluorobiphenyl (S)	58 %		46-120	1	01/05/10 14:30	01/08/10 16:15	321-60-8	
Terphenyl-d14 (S)	44 %		38-108	1	01/05/10 14:30	01/08/10 16:15	1718-51-0	
Phenol-d6 (S)	60 %		35-120	1	01/05/10 14:30	01/08/10 16:15	13127-88-3	
2-Fluorophenol (S)	59 %		24-120	1	01/05/10 14:30	01/08/10 16:15	367-12-4	
2,4,6-Tribromophenol (S)	78 %		44-136	1	01/05/10 14:30	01/08/10 16:15	118-79-6	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2939-3 Lab ID: 9260290004 Collected: 12/22/09 08:40 Received: 12/24/09 10:00 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						
Acetone	ND	ug/kg	73.9	1		12/31/09 13:44	67-64-1	
Benzene	ND	ug/kg	3.7	1		12/31/09 13:44	71-43-2	
Bromobenzene	ND	ug/kg	3.7	1		12/31/09 13:44	108-86-1	
Bromochloromethane	ND	ug/kg	3.7	1		12/31/09 13:44	74-97-5	
Bromodichloromethane	ND	ug/kg	3.7	1		12/31/09 13:44	75-27-4	
Bromoform	ND	ug/kg	3.7	1		12/31/09 13:44	75-25-2	
Bromomethane	ND	ug/kg	7.4	1		12/31/09 13:44	74-83-9	
2-Butanone (MEK)	ND	ug/kg	73.9	1		12/31/09 13:44	78-93-3	
n-Butylbenzene	ND	ug/kg	3.7	1		12/31/09 13:44	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.7	1		12/31/09 13:44	135-98-8	
tert-Butylbenzene	ND	ug/kg	3.7	1		12/31/09 13:44	98-06-6	
Carbon tetrachloride	ND	ug/kg	3.7	1		12/31/09 13:44	56-23-5	
Chlorobenzene	ND	ug/kg	3.7	1		12/31/09 13:44	108-90-7	
Chloroethane	ND	ug/kg	7.4	1		12/31/09 13:44	75-00-3	
Chloroform	ND	ug/kg	3.7	1		12/31/09 13:44	67-66-3	
Chloromethane	ND	ug/kg	7.4	1		12/31/09 13:44	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.7	1		12/31/09 13:44	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.7	1		12/31/09 13:44	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.7	1		12/31/09 13:44	96-12-8	
Dibromochloromethane	ND	ug/kg	3.7	1		12/31/09 13:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.7	1		12/31/09 13:44	106-93-4	
Dibromomethane	ND	ug/kg	3.7	1		12/31/09 13:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3.7	1		12/31/09 13:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.7	1		12/31/09 13:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.7	1		12/31/09 13:44	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	7.4	1		12/31/09 13:44	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.7	1		12/31/09 13:44	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.7	1		12/31/09 13:44	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.7	1		12/31/09 13:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.7	1		12/31/09 13:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.7	1		12/31/09 13:44	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.7	1		12/31/09 13:44	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.7	1		12/31/09 13:44	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.7	1		12/31/09 13:44	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.7	1		12/31/09 13:44	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.7	1		12/31/09 13:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.7	1		12/31/09 13:44	10061-02-6	
Diisopropyl ether	ND	ug/kg	3.7	1		12/31/09 13:44	108-20-3	
Ethylbenzene	ND	ug/kg	3.7	1		12/31/09 13:44	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.7	1		12/31/09 13:44	87-68-3	
2-Hexanone	ND	ug/kg	37.0	1		12/31/09 13:44	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.7	1		12/31/09 13:44	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.7	1		12/31/09 13:44	99-87-6	
Methylene Chloride	ND	ug/kg	14.8	1		12/31/09 13:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	37.0	1		12/31/09 13:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.7	1		12/31/09 13:44	1634-04-4	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2939-3 **Lab ID:** 9260290004 **Collected:** 12/22/09 08:40 **Received:** 12/24/09 10:00 **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						
Naphthalene	ND	ug/kg	3.7	1		12/31/09 13:44	91-20-3	
n-Propylbenzene	ND	ug/kg	3.7	1		12/31/09 13:44	103-65-1	
Styrene	ND	ug/kg	3.7	1		12/31/09 13:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.7	1		12/31/09 13:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.7	1		12/31/09 13:44	79-34-5	
Tetrachloroethene	ND	ug/kg	3.7	1		12/31/09 13:44	127-18-4	
Toluene	ND	ug/kg	3.7	1		12/31/09 13:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.7	1		12/31/09 13:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.7	1		12/31/09 13:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.7	1		12/31/09 13:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.7	1		12/31/09 13:44	79-00-5	
Trichloroethene	ND	ug/kg	3.7	1		12/31/09 13:44	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.7	1		12/31/09 13:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.7	1		12/31/09 13:44	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.7	1		12/31/09 13:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.7	1		12/31/09 13:44	108-67-8	
Vinyl acetate	ND	ug/kg	37.0	1		12/31/09 13:44	108-05-4	
Vinyl chloride	ND	ug/kg	7.4	1		12/31/09 13:44	75-01-4	
Xylene (Total)	ND	ug/kg	7.4	1		12/31/09 13:44	1330-20-7	
m&p-Xylene	ND	ug/kg	7.4	1		12/31/09 13:44	1330-20-7	
o-Xylene	ND	ug/kg	3.7	1		12/31/09 13:44	95-47-6	
Dibromofluoromethane (S)	96 %		79-116	1		12/31/09 13:44	1868-53-7	
Toluene-d8 (S)	101 %		88-110	1		12/31/09 13:44	2037-26-5	
4-Bromofluorobenzene (S)	97 %		74-115	1		12/31/09 13:44	460-00-4	
1,2-Dichloroethane-d4 (S)	102 %		69-121	1		12/31/09 13:44	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	17.8 %		0.10	1		12/28/09 16:13		

ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2939-4 **Lab ID:** 9260290005 **Collected:** 12/22/09 08:35 **Received:** 12/24/09 10:00 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		6.0	1	01/04/10 11:00	01/04/10 21:19	68334-30-5	
n-Pentacosane (S)	85 %		50-135	1	01/04/10 11:00	01/04/10 21:19	629-99-2	
MADEP EPH NC Soil								
Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		11.9	1	12/30/09 16:00	01/06/10 01:50		
Aliphatic (C19-C36)	ND mg/kg		11.9	1	12/30/09 16:00	01/06/10 01:50		
Aromatic (C11-C22)	ND mg/kg		11.9	1	12/30/09 16:00	01/06/10 01:50		
Nonatriacontane (S)	56 %		40-140	1	12/30/09 16:00	01/06/10 01:50	7194-86-7	
o-Terphenyl (S)	70 %		40-140	1	12/30/09 16:00	01/06/10 01:50	84-15-1	
2-Fluorobiphenyl (S)	87 %		40-140	1	12/30/09 16:00	01/06/10 01:50	321-60-8	
2-Bromonaphthalene (S)	86 %		40-140	1	12/30/09 16:00	01/06/10 01:50	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	01/05/10 16:15	01/05/10 21:15	8006-61-9	
4-Bromofluorobenzene (S)	121 %		50-135	1	01/05/10 16:15	01/05/10 21:15	460-00-4	
8270 MSSV Microwave								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	83-32-9	
Acenaphthylene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	208-96-8	
Aniline	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	62-53-3	
Anthracene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	120-12-7	
Benzo(a)anthracene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	56-55-3	
Benzo(a)pyrene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	207-08-9	
Benzoic Acid	ND ug/kg		1970	1	01/05/10 14:30	01/08/10 16:44	65-85-0	
Benzyl alcohol	ND ug/kg		788	1	01/05/10 14:30	01/08/10 16:44	100-51-6	
4-Bromophenylphenyl ether	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	101-55-3	
Butylbenzylphthalate	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		788	1	01/05/10 14:30	01/08/10 16:44	59-50-7	
4-Chloroaniline	ND ug/kg		1970	1	01/05/10 14:30	01/08/10 16:44	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	108-60-1	
2-Chloronaphthalene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	91-58-7	
2-Chlorophenol	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	7005-72-3	
Chrysene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	53-70-3	
Dibenzofuran	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	132-64-9	
1,2-Dichlorobenzene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	106-46-7	
3,3'-Dichlorobenzidine	ND ug/kg		1970	1	01/05/10 14:30	01/08/10 16:44	91-94-1	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2939-4 Lab ID: 9260290005 Collected: 12/22/09 08:35 Received: 12/24/09 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
2,4-Dichlorophenol	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	120-83-2	
Diethylphthalate	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	84-66-2	
2,4-Dimethylphenol	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	105-67-9	
Dimethylphthalate	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	131-11-3	
Di-n-butylphthalate	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		788	1	01/05/10 14:30	01/08/10 16:44	534-52-1	
2,4-Dinitrophenol	ND ug/kg		1970	1	01/05/10 14:30	01/08/10 16:44	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	606-20-2	
Di-n-octylphthalate	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	117-81-7	
Fluoranthene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	206-44-0	
Fluorene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	87-68-3	
Hexachlorobenzene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	77-47-4	
Hexachloroethane	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	193-39-5	
Isophorone	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	78-59-1	
1-Methylnaphthalene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	90-12-0	
2-Methylnaphthalene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44		
Naphthalene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	91-20-3	
2-Nitroaniline	ND ug/kg		1970	1	01/05/10 14:30	01/08/10 16:44	88-74-4	
3-Nitroaniline	ND ug/kg		1970	1	01/05/10 14:30	01/08/10 16:44	99-09-2	
4-Nitroaniline	ND ug/kg		788	1	01/05/10 14:30	01/08/10 16:44	100-01-6	
Nitrobenzene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	98-95-3	
2-Nitrophenol	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	88-75-5	
4-Nitrophenol	ND ug/kg		1970	1	01/05/10 14:30	01/08/10 16:44	100-02-7	
N-Nitrosodimethylamine	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	86-30-6	
Pentachlorophenol	ND ug/kg		1970	1	01/05/10 14:30	01/08/10 16:44	87-86-5	
Phenanthrene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	85-01-8	
Phenol	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	108-95-2	
Pyrene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		394	1	01/05/10 14:30	01/08/10 16:44	88-06-2	
Nitrobenzene-d5 (S)	76 %		30-150	1	01/05/10 14:30	01/08/10 16:44	4165-60-0	
2-Fluorobiphenyl (S)	69 %		46-120	1	01/05/10 14:30	01/08/10 16:44	321-60-8	
Terphenyl-d14 (S)	67 %		38-108	1	01/05/10 14:30	01/08/10 16:44	1718-51-0	
Phenol-d6 (S)	74 %		35-120	1	01/05/10 14:30	01/08/10 16:44	13127-88-3	
2-Fluorophenol (S)	71 %		24-120	1	01/05/10 14:30	01/08/10 16:44	367-12-4	
2,4,6-Tribromophenol (S)	96 %		44-136	1	01/05/10 14:30	01/08/10 16:44	118-79-6	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2939-4 Lab ID: 9260290005 Collected: 12/22/09 08:35 Received: 12/24/09 10:00 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						
Acetone	ND	ug/kg	82.8	1		12/31/09 14:02	67-64-1	
Benzene	ND	ug/kg	4.1	1		12/31/09 14:02	71-43-2	
Bromobenzene	ND	ug/kg	4.1	1		12/31/09 14:02	108-86-1	
Bromochloromethane	ND	ug/kg	4.1	1		12/31/09 14:02	74-97-5	
Bromodichloromethane	ND	ug/kg	4.1	1		12/31/09 14:02	75-27-4	
Bromoform	ND	ug/kg	4.1	1		12/31/09 14:02	75-25-2	
Bromomethane	ND	ug/kg	8.3	1		12/31/09 14:02	74-83-9	
2-Butanone (MEK)	ND	ug/kg	82.8	1		12/31/09 14:02	78-93-3	
n-Butylbenzene	ND	ug/kg	4.1	1		12/31/09 14:02	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.1	1		12/31/09 14:02	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.1	1		12/31/09 14:02	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.1	1		12/31/09 14:02	56-23-5	
Chlorobenzene	ND	ug/kg	4.1	1		12/31/09 14:02	108-90-7	
Chloroethane	ND	ug/kg	8.3	1		12/31/09 14:02	75-00-3	
Chloroform	ND	ug/kg	4.1	1		12/31/09 14:02	67-66-3	
Chloromethane	ND	ug/kg	8.3	1		12/31/09 14:02	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.1	1		12/31/09 14:02	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.1	1		12/31/09 14:02	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.1	1		12/31/09 14:02	96-12-8	
Dibromochloromethane	ND	ug/kg	4.1	1		12/31/09 14:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.1	1		12/31/09 14:02	106-93-4	
Dibromomethane	ND	ug/kg	4.1	1		12/31/09 14:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.1	1		12/31/09 14:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.1	1		12/31/09 14:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.1	1		12/31/09 14:02	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.3	1		12/31/09 14:02	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.1	1		12/31/09 14:02	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.1	1		12/31/09 14:02	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.1	1		12/31/09 14:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.1	1		12/31/09 14:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.1	1		12/31/09 14:02	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.1	1		12/31/09 14:02	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.1	1		12/31/09 14:02	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.1	1		12/31/09 14:02	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.1	1		12/31/09 14:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.1	1		12/31/09 14:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.1	1		12/31/09 14:02	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.1	1		12/31/09 14:02	108-20-3	
Ethylbenzene	ND	ug/kg	4.1	1		12/31/09 14:02	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.1	1		12/31/09 14:02	87-68-3	
2-Hexanone	ND	ug/kg	41.4	1		12/31/09 14:02	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.1	1		12/31/09 14:02	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.1	1		12/31/09 14:02	99-87-6	
Methylene Chloride	ND	ug/kg	16.6	1		12/31/09 14:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	41.4	1		12/31/09 14:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.1	1		12/31/09 14:02	1634-04-4	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2939-4 **Lab ID:** 9260290005 **Collected:** 12/22/09 08:35 **Received:** 12/24/09 10:00 **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						
Naphthalene	ND	ug/kg	4.1	1		12/31/09 14:02	91-20-3	
n-Propylbenzene	ND	ug/kg	4.1	1		12/31/09 14:02	103-65-1	
Styrene	ND	ug/kg	4.1	1		12/31/09 14:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.1	1		12/31/09 14:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.1	1		12/31/09 14:02	79-34-5	
Tetrachloroethene	ND	ug/kg	4.1	1		12/31/09 14:02	127-18-4	
Toluene	ND	ug/kg	4.1	1		12/31/09 14:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.1	1		12/31/09 14:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.1	1		12/31/09 14:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.1	1		12/31/09 14:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.1	1		12/31/09 14:02	79-00-5	
Trichloroethene	ND	ug/kg	4.1	1		12/31/09 14:02	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.1	1		12/31/09 14:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.1	1		12/31/09 14:02	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.1	1		12/31/09 14:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.1	1		12/31/09 14:02	108-67-8	
Vinyl acetate	ND	ug/kg	41.4	1		12/31/09 14:02	108-05-4	
Vinyl chloride	ND	ug/kg	8.3	1		12/31/09 14:02	75-01-4	
Xylene (Total)	ND	ug/kg	8.3	1		12/31/09 14:02	1330-20-7	
m&p-Xylene	ND	ug/kg	8.3	1		12/31/09 14:02	1330-20-7	
o-Xylene	ND	ug/kg	4.1	1		12/31/09 14:02	95-47-6	
Dibromofluoromethane (S)	96 %		79-116	1		12/31/09 14:02	1868-53-7	
Toluene-d8 (S)	102 %		88-110	1		12/31/09 14:02	2037-26-5	
4-Bromofluorobenzene (S)	99 %		74-115	1		12/31/09 14:02	460-00-4	
1,2-Dichloroethane-d4 (S)	102 %		69-121	1		12/31/09 14:02	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	16.3 %		0.10	1		12/28/09 16:13		

ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2939-B-7 **Lab ID:** 9260290006 **Collected:** 12/22/09 08:50 **Received:** 12/24/09 10:00 **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	679	mg/kg	23.7	4	01/04/10 11:00	01/05/10 11:35	68334-30-5	
n-Pentacosane (S)	142	%	50-135	4	01/04/10 11:00	01/05/10 11:35	629-99-2	S5
MADEP EPH NC Soil								
Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	878	mg/kg	237	20	12/30/09 16:00	01/08/10 04:11		
Aliphatic (C19-C36)	349	mg/kg	237	20	12/30/09 16:00	01/08/10 04:11		
Aromatic (C11-C22)	400	mg/kg	47.5	4	12/30/09 16:00	01/06/10 15:52		
Nonatriacontane (S)	0	%	40-140	20	12/30/09 16:00	01/08/10 04:11	7194-86-7	S4
o-Terphenyl (S)	345	%	40-140	4	12/30/09 16:00	01/06/10 15:52	84-15-1	S5
2-Fluorobiphenyl (S)	157	%	40-140	4	12/30/09 16:00	01/06/10 15:52	321-60-8	S5
2-Bromonaphthalene (S)	498	%	40-140	4	12/30/09 16:00	01/06/10 15:52	580-13-2	S5
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND	mg/kg	5.1	1	01/05/10 16:15	01/05/10 20:50	8006-61-9	
4-Bromofluorobenzene (S)	121	%	50-135	1	01/05/10 16:15	01/05/10 20:50	460-00-4	
8270 MSSV Microwave								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	392	1	01/05/10 14:30	01/08/10 17:14	83-32-9	
Acenaphthylene	ND	ug/kg	392	1	01/05/10 14:30	01/08/10 17:14	208-96-8	
Aniline	ND	ug/kg	392	1	01/05/10 14:30	01/08/10 17:14	62-53-3	
Anthracene	ND	ug/kg	392	1	01/05/10 14:30	01/08/10 17:14	120-12-7	
Benzo(a)anthracene	ND	ug/kg	392	1	01/05/10 14:30	01/08/10 17:14	56-55-3	
Benzo(a)pyrene	ND	ug/kg	392	1	01/05/10 14:30	01/08/10 17:14	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	392	1	01/05/10 14:30	01/08/10 17:14	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	392	1	01/05/10 14:30	01/08/10 17:14	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	392	1	01/05/10 14:30	01/08/10 17:14	207-08-9	
Benzoic Acid	ND	ug/kg	1960	1	01/05/10 14:30	01/08/10 17:14	65-85-0	
Benzyl alcohol	ND	ug/kg	784	1	01/05/10 14:30	01/08/10 17:14	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	392	1	01/05/10 14:30	01/08/10 17:14	101-55-3	
Butylbenzylphthalate	ND	ug/kg	392	1	01/05/10 14:30	01/08/10 17:14	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	784	1	01/05/10 14:30	01/08/10 17:14	59-50-7	
4-Chloroaniline	ND	ug/kg	1960	1	01/05/10 14:30	01/08/10 17:14	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	392	1	01/05/10 14:30	01/08/10 17:14	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	392	1	01/05/10 14:30	01/08/10 17:14	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	392	1	01/05/10 14:30	01/08/10 17:14	108-60-1	
2-Chloronaphthalene	ND	ug/kg	392	1	01/05/10 14:30	01/08/10 17:14	91-58-7	
2-Chlorophenol	ND	ug/kg	392	1	01/05/10 14:30	01/08/10 17:14	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	392	1	01/05/10 14:30	01/08/10 17:14	7005-72-3	
Chrysene	ND	ug/kg	392	1	01/05/10 14:30	01/08/10 17:14	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	392	1	01/05/10 14:30	01/08/10 17:14	53-70-3	
Dibenzofuran	ND	ug/kg	392	1	01/05/10 14:30	01/08/10 17:14	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	392	1	01/05/10 14:30	01/08/10 17:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	392	1	01/05/10 14:30	01/08/10 17:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	392	1	01/05/10 14:30	01/08/10 17:14	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1960	1	01/05/10 14:30	01/08/10 17:14	91-94-1	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2939-B-7 Lab ID: 9260290006 Collected: 12/22/09 08:50 Received: 12/24/09 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
2,4-Dichlorophenol	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	120-83-2	
Diethylphthalate	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	84-66-2	
2,4-Dimethylphenol	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	105-67-9	
Dimethylphthalate	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	131-11-3	
Di-n-butylphthalate	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		784	1	01/05/10 14:30	01/08/10 17:14	534-52-1	
2,4-Dinitrophenol	ND ug/kg		1960	1	01/05/10 14:30	01/08/10 17:14	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	606-20-2	
Di-n-octylphthalate	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	117-81-7	
Fluoranthene	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	206-44-0	
Fluorene	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	87-68-3	
Hexachlorobenzene	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	77-47-4	
Hexachloroethane	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	193-39-5	
Isophorone	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	78-59-1	
1-Methylnaphthalene	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	90-12-0	
2-Methylnaphthalene	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14		
Naphthalene	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	91-20-3	
2-Nitroaniline	ND ug/kg		1960	1	01/05/10 14:30	01/08/10 17:14	88-74-4	
3-Nitroaniline	ND ug/kg		1960	1	01/05/10 14:30	01/08/10 17:14	99-09-2	
4-Nitroaniline	ND ug/kg		784	1	01/05/10 14:30	01/08/10 17:14	100-01-6	
Nitrobenzene	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	98-95-3	
2-Nitrophenol	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	88-75-5	
4-Nitrophenol	ND ug/kg		1960	1	01/05/10 14:30	01/08/10 17:14	100-02-7	
N-Nitrosodimethylamine	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	86-30-6	
Pentachlorophenol	ND ug/kg		1960	1	01/05/10 14:30	01/08/10 17:14	87-86-5	
Phenanthrene	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	85-01-8	
Phenol	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	108-95-2	
Pyrene	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		392	1	01/05/10 14:30	01/08/10 17:14	88-06-2	
Nitrobenzene-d5 (S)	61 %		30-150	1	01/05/10 14:30	01/08/10 17:14	4165-60-0	
2-Fluorobiphenyl (S)	77 %		46-120	1	01/05/10 14:30	01/08/10 17:14	321-60-8	
Terphenyl-d14 (S)	84 %		38-108	1	01/05/10 14:30	01/08/10 17:14	1718-51-0	
Phenol-d6 (S)	60 %		35-120	1	01/05/10 14:30	01/08/10 17:14	13127-88-3	
2-Fluorophenol (S)	54 %		24-120	1	01/05/10 14:30	01/08/10 17:14	367-12-4	
2,4,6-Tribromophenol (S)	135 %		44-136	1	01/05/10 14:30	01/08/10 17:14	118-79-6	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2939-B-7 Lab ID: 9260290006 Collected: 12/22/09 08:50 Received: 12/24/09 10:00 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						
Acetone	ND	ug/kg	76.9	1		12/31/09 14:20	67-64-1	
Benzene	ND	ug/kg	3.8	1		12/31/09 14:20	71-43-2	
Bromobenzene	ND	ug/kg	3.8	1		12/31/09 14:20	108-86-1	
Bromochloromethane	ND	ug/kg	3.8	1		12/31/09 14:20	74-97-5	
Bromodichloromethane	ND	ug/kg	3.8	1		12/31/09 14:20	75-27-4	
Bromoform	ND	ug/kg	3.8	1		12/31/09 14:20	75-25-2	
Bromomethane	ND	ug/kg	7.7	1		12/31/09 14:20	74-83-9	
2-Butanone (MEK)	ND	ug/kg	76.9	1		12/31/09 14:20	78-93-3	
n-Butylbenzene	ND	ug/kg	3.8	1		12/31/09 14:20	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.8	1		12/31/09 14:20	135-98-8	
tert-Butylbenzene	ND	ug/kg	3.8	1		12/31/09 14:20	98-06-6	
Carbon tetrachloride	ND	ug/kg	3.8	1		12/31/09 14:20	56-23-5	
Chlorobenzene	ND	ug/kg	3.8	1		12/31/09 14:20	108-90-7	
Chloroethane	ND	ug/kg	7.7	1		12/31/09 14:20	75-00-3	
Chloroform	ND	ug/kg	3.8	1		12/31/09 14:20	67-66-3	
Chloromethane	ND	ug/kg	7.7	1		12/31/09 14:20	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.8	1		12/31/09 14:20	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.8	1		12/31/09 14:20	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.8	1		12/31/09 14:20	96-12-8	
Dibromochloromethane	ND	ug/kg	3.8	1		12/31/09 14:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.8	1		12/31/09 14:20	106-93-4	
Dibromomethane	ND	ug/kg	3.8	1		12/31/09 14:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3.8	1		12/31/09 14:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.8	1		12/31/09 14:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.8	1		12/31/09 14:20	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	7.7	1		12/31/09 14:20	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.8	1		12/31/09 14:20	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.8	1		12/31/09 14:20	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.8	1		12/31/09 14:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.8	1		12/31/09 14:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.8	1		12/31/09 14:20	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.8	1		12/31/09 14:20	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.8	1		12/31/09 14:20	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.8	1		12/31/09 14:20	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.8	1		12/31/09 14:20	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.8	1		12/31/09 14:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.8	1		12/31/09 14:20	10061-02-6	
Diisopropyl ether	ND	ug/kg	3.8	1		12/31/09 14:20	108-20-3	
Ethylbenzene	ND	ug/kg	3.8	1		12/31/09 14:20	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.8	1		12/31/09 14:20	87-68-3	
2-Hexanone	ND	ug/kg	38.4	1		12/31/09 14:20	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.8	1		12/31/09 14:20	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.8	1		12/31/09 14:20	99-87-6	
Methylene Chloride	ND	ug/kg	15.4	1		12/31/09 14:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	38.4	1		12/31/09 14:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.8	1		12/31/09 14:20	1634-04-4	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2939-B-7 Lab ID: 9260290006 Collected: 12/22/09 08:50 Received: 12/24/09 10:00 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						
Naphthalene	ND	ug/kg	3.8	1		12/31/09 14:20	91-20-3	
n-Propylbenzene	ND	ug/kg	3.8	1		12/31/09 14:20	103-65-1	
Styrene	ND	ug/kg	3.8	1		12/31/09 14:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.8	1		12/31/09 14:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.8	1		12/31/09 14:20	79-34-5	
Tetrachloroethene	ND	ug/kg	3.8	1		12/31/09 14:20	127-18-4	
Toluene	ND	ug/kg	3.8	1		12/31/09 14:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.8	1		12/31/09 14:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.8	1		12/31/09 14:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.8	1		12/31/09 14:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.8	1		12/31/09 14:20	79-00-5	
Trichloroethene	ND	ug/kg	3.8	1		12/31/09 14:20	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.8	1		12/31/09 14:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.8	1		12/31/09 14:20	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.8	1		12/31/09 14:20	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.8	1		12/31/09 14:20	108-67-8	
Vinyl acetate	ND	ug/kg	38.4	1		12/31/09 14:20	108-05-4	
Vinyl chloride	ND	ug/kg	7.7	1		12/31/09 14:20	75-01-4	
Xylene (Total)	ND	ug/kg	7.7	1		12/31/09 14:20	1330-20-7	
m&p-Xylene	ND	ug/kg	7.7	1		12/31/09 14:20	1330-20-7	
o-Xylene	ND	ug/kg	3.8	1		12/31/09 14:20	95-47-6	
Dibromofluoromethane (S)	97 %		79-116	1		12/31/09 14:20	1868-53-7	
Toluene-d8 (S)	100 %		88-110	1		12/31/09 14:20	2037-26-5	
4-Bromofluorobenzene (S)	96 %		74-115	1		12/31/09 14:20	460-00-4	
1,2-Dichloroethane-d4 (S)	107 %		69-121	1		12/31/09 14:20	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	15.8 %		0.10	1		12/28/09 16:34		

ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2947-1 **Lab ID:** 9260290007 **Collected:** 12/22/09 10:30 **Received:** 12/24/09 10:00 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		5.9	1	01/04/10 11:00	01/04/10 21:48	68334-30-5	
n-Pentacosane (S)	77 %		50-135	1	01/04/10 11:00	01/04/10 21:48	629-99-2	
MADEP EPH NC Soil								
Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		11.8	1	12/30/09 16:00	01/06/10 02:57		
Aliphatic (C19-C36)	ND mg/kg		11.8	1	12/30/09 16:00	01/06/10 02:57		
Aromatic (C11-C22)	ND mg/kg		11.8	1	12/30/09 16:00	01/06/10 02:57		
Nonatriacontane (S)	79 %		40-140	1	12/30/09 16:00	01/06/10 02:57	7194-86-7	
o-Terphenyl (S)	74 %		40-140	1	12/30/09 16:00	01/06/10 02:57	84-15-1	
2-Fluorobiphenyl (S)	80 %		40-140	1	12/30/09 16:00	01/06/10 02:57	321-60-8	
2-Bromonaphthalene (S)	82 %		40-140	1	12/30/09 16:00	01/06/10 02:57	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	01/05/10 16:15	01/05/10 19:36	8006-61-9	
4-Bromofluorobenzene (S)	124 %		50-135	1	01/05/10 16:15	01/05/10 19:36	460-00-4	
8270 MSSV Microwave								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	83-32-9	
Acenaphthylene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	208-96-8	
Aniline	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	62-53-3	
Anthracene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	120-12-7	
Benzo(a)anthracene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	56-55-3	
Benzo(a)pyrene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	207-08-9	
Benzoic Acid	ND ug/kg		1940	1	01/05/10 14:30	01/08/10 17:44	65-85-0	
Benzyl alcohol	ND ug/kg		777	1	01/05/10 14:30	01/08/10 17:44	100-51-6	
4-Bromophenylphenyl ether	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	101-55-3	
Butylbenzylphthalate	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		777	1	01/05/10 14:30	01/08/10 17:44	59-50-7	
4-Chloroaniline	ND ug/kg		1940	1	01/05/10 14:30	01/08/10 17:44	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	108-60-1	
2-Chloronaphthalene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	91-58-7	
2-Chlorophenol	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	7005-72-3	
Chrysene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	53-70-3	
Dibenzofuran	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	132-64-9	
1,2-Dichlorobenzene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	106-46-7	
3,3'-Dichlorobenzidine	ND ug/kg		1940	1	01/05/10 14:30	01/08/10 17:44	91-94-1	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2947-1 Lab ID: 9260290007 Collected: 12/22/09 10:30 Received: 12/24/09 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
2,4-Dichlorophenol	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	120-83-2	
Diethylphthalate	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	84-66-2	
2,4-Dimethylphenol	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	105-67-9	
Dimethylphthalate	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	131-11-3	
Di-n-butylphthalate	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		777	1	01/05/10 14:30	01/08/10 17:44	534-52-1	
2,4-Dinitrophenol	ND ug/kg		1940	1	01/05/10 14:30	01/08/10 17:44	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	606-20-2	
Di-n-octylphthalate	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	117-81-7	
Fluoranthene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	206-44-0	
Fluorene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	87-68-3	
Hexachlorobenzene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	77-47-4	
Hexachloroethane	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	193-39-5	
Isophorone	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	78-59-1	
1-Methylnaphthalene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	90-12-0	
2-Methylnaphthalene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44		
Naphthalene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	91-20-3	
2-Nitroaniline	ND ug/kg		1940	1	01/05/10 14:30	01/08/10 17:44	88-74-4	
3-Nitroaniline	ND ug/kg		1940	1	01/05/10 14:30	01/08/10 17:44	99-09-2	
4-Nitroaniline	ND ug/kg		777	1	01/05/10 14:30	01/08/10 17:44	100-01-6	
Nitrobenzene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	98-95-3	
2-Nitrophenol	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	88-75-5	
4-Nitrophenol	ND ug/kg		1940	1	01/05/10 14:30	01/08/10 17:44	100-02-7	
N-Nitrosodimethylamine	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	86-30-6	
Pentachlorophenol	ND ug/kg		1940	1	01/05/10 14:30	01/08/10 17:44	87-86-5	
Phenanthrene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	85-01-8	
Phenol	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	108-95-2	
Pyrene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		389	1	01/05/10 14:30	01/08/10 17:44	88-06-2	
Nitrobenzene-d5 (S)	74 %		30-150	1	01/05/10 14:30	01/08/10 17:44	4165-60-0	
2-Fluorobiphenyl (S)	72 %		46-120	1	01/05/10 14:30	01/08/10 17:44	321-60-8	
Terphenyl-d14 (S)	74 %		38-108	1	01/05/10 14:30	01/08/10 17:44	1718-51-0	
Phenol-d6 (S)	73 %		35-120	1	01/05/10 14:30	01/08/10 17:44	13127-88-3	
2-Fluorophenol (S)	68 %		24-120	1	01/05/10 14:30	01/08/10 17:44	367-12-4	
2,4,6-Tribromophenol (S)	98 %		44-136	1	01/05/10 14:30	01/08/10 17:44	118-79-6	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2947-1 Lab ID: 9260290007 Collected: 12/22/09 10:30 Received: 12/24/09 10:00 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						
Acetone	ND	ug/kg	78.3	1		12/31/09 14:38	67-64-1	
Benzene	ND	ug/kg	3.9	1		12/31/09 14:38	71-43-2	
Bromobenzene	ND	ug/kg	3.9	1		12/31/09 14:38	108-86-1	
Bromochloromethane	ND	ug/kg	3.9	1		12/31/09 14:38	74-97-5	
Bromodichloromethane	ND	ug/kg	3.9	1		12/31/09 14:38	75-27-4	
Bromoform	ND	ug/kg	3.9	1		12/31/09 14:38	75-25-2	
Bromomethane	ND	ug/kg	7.8	1		12/31/09 14:38	74-83-9	
2-Butanone (MEK)	ND	ug/kg	78.3	1		12/31/09 14:38	78-93-3	
n-Butylbenzene	ND	ug/kg	3.9	1		12/31/09 14:38	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.9	1		12/31/09 14:38	135-98-8	
tert-Butylbenzene	ND	ug/kg	3.9	1		12/31/09 14:38	98-06-6	
Carbon tetrachloride	ND	ug/kg	3.9	1		12/31/09 14:38	56-23-5	
Chlorobenzene	ND	ug/kg	3.9	1		12/31/09 14:38	108-90-7	
Chloroethane	ND	ug/kg	7.8	1		12/31/09 14:38	75-00-3	
Chloroform	ND	ug/kg	3.9	1		12/31/09 14:38	67-66-3	
Chloromethane	ND	ug/kg	7.8	1		12/31/09 14:38	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.9	1		12/31/09 14:38	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.9	1		12/31/09 14:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.9	1		12/31/09 14:38	96-12-8	
Dibromochloromethane	ND	ug/kg	3.9	1		12/31/09 14:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.9	1		12/31/09 14:38	106-93-4	
Dibromomethane	ND	ug/kg	3.9	1		12/31/09 14:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3.9	1		12/31/09 14:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.9	1		12/31/09 14:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.9	1		12/31/09 14:38	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	7.8	1		12/31/09 14:38	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.9	1		12/31/09 14:38	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.9	1		12/31/09 14:38	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.9	1		12/31/09 14:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.9	1		12/31/09 14:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.9	1		12/31/09 14:38	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.9	1		12/31/09 14:38	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.9	1		12/31/09 14:38	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.9	1		12/31/09 14:38	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.9	1		12/31/09 14:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.9	1		12/31/09 14:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.9	1		12/31/09 14:38	10061-02-6	
Diisopropyl ether	ND	ug/kg	3.9	1		12/31/09 14:38	108-20-3	
Ethylbenzene	ND	ug/kg	3.9	1		12/31/09 14:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.9	1		12/31/09 14:38	87-68-3	
2-Hexanone	ND	ug/kg	39.2	1		12/31/09 14:38	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.9	1		12/31/09 14:38	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.9	1		12/31/09 14:38	99-87-6	
Methylene Chloride	ND	ug/kg	15.7	1		12/31/09 14:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	39.2	1		12/31/09 14:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.9	1		12/31/09 14:38	1634-04-4	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2947-1 **Lab ID:** 9260290007 **Collected:** 12/22/09 10:30 **Received:** 12/24/09 10:00 **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						
Naphthalene	ND	ug/kg	3.9	1		12/31/09 14:38	91-20-3	
n-Propylbenzene	ND	ug/kg	3.9	1		12/31/09 14:38	103-65-1	
Styrene	ND	ug/kg	3.9	1		12/31/09 14:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.9	1		12/31/09 14:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.9	1		12/31/09 14:38	79-34-5	
Tetrachloroethene	ND	ug/kg	3.9	1		12/31/09 14:38	127-18-4	
Toluene	ND	ug/kg	3.9	1		12/31/09 14:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.9	1		12/31/09 14:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.9	1		12/31/09 14:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.9	1		12/31/09 14:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.9	1		12/31/09 14:38	79-00-5	
Trichloroethene	ND	ug/kg	3.9	1		12/31/09 14:38	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.9	1		12/31/09 14:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.9	1		12/31/09 14:38	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.9	1		12/31/09 14:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.9	1		12/31/09 14:38	108-67-8	
Vinyl acetate	ND	ug/kg	39.2	1		12/31/09 14:38	108-05-4	
Vinyl chloride	ND	ug/kg	7.8	1		12/31/09 14:38	75-01-4	
Xylene (Total)	ND	ug/kg	7.8	1		12/31/09 14:38	1330-20-7	
m&p-Xylene	ND	ug/kg	7.8	1		12/31/09 14:38	1330-20-7	
o-Xylene	ND	ug/kg	3.9	1		12/31/09 14:38	95-47-6	
Dibromofluoromethane (S)	93 %		79-116	1		12/31/09 14:38	1868-53-7	
Toluene-d8 (S)	101 %		88-110	1		12/31/09 14:38	2037-26-5	
4-Bromofluorobenzene (S)	100 %		74-115	1		12/31/09 14:38	460-00-4	
1,2-Dichloroethane-d4 (S)	99 %		69-121	1		12/31/09 14:38	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	15.1 %	0.10	1	12/28/09 16:34
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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2947-2 **Lab ID:** 9260290008 **Collected:** 12/22/09 10:40 **Received:** 12/24/09 10:00 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		5.9	1	01/04/10 11:00	01/04/10 22:17	68334-30-5	
n-Pentacosane (S)	54 %		50-135	1	01/04/10 11:00	01/04/10 22:17	629-99-2	
MADEP EPH NC Soil								
Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		11.8	1	01/04/10 15:45	01/07/10 20:18		
Aliphatic (C19-C36)	ND mg/kg		11.8	1	01/04/10 15:45	01/07/10 20:18		
Aromatic (C11-C22)	ND mg/kg		11.8	1	01/04/10 15:45	01/06/10 07:27		
Nonatriacontane (S)	73 %		40-140	1	01/04/10 15:45	01/07/10 20:18	7194-86-7	
o-Terphenyl (S)	64 %		40-140	1	01/04/10 15:45	01/06/10 07:27	84-15-1	
2-Fluorobiphenyl (S)	81 %		40-140	1	01/04/10 15:45	01/06/10 07:27	321-60-8	
2-Bromonaphthalene (S)	79 %		40-140	1	01/04/10 15:45	01/06/10 07:27	580-13-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		4.6	1	01/05/10 16:15	01/05/10 20:00	8006-61-9	
4-Bromofluorobenzene (S)	117 %		50-135	1	01/05/10 16:15	01/05/10 20:00	460-00-4	
8270 MSSV Microwave								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	83-32-9	
Acenaphthylene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	208-96-8	
Aniline	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	62-53-3	
Anthracene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	120-12-7	
Benzo(a)anthracene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	56-55-3	
Benzo(a)pyrene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	207-08-9	
Benzoic Acid	ND ug/kg		1940	1	01/05/10 14:30	01/08/10 18:14	65-85-0	
Benzyl alcohol	ND ug/kg		778	1	01/05/10 14:30	01/08/10 18:14	100-51-6	
4-Bromophenylphenyl ether	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	101-55-3	
Butylbenzylphthalate	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		778	1	01/05/10 14:30	01/08/10 18:14	59-50-7	
4-Chloroaniline	ND ug/kg		1940	1	01/05/10 14:30	01/08/10 18:14	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	108-60-1	
2-Chloronaphthalene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	91-58-7	
2-Chlorophenol	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	7005-72-3	
Chrysene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	53-70-3	
Dibenzofuran	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	132-64-9	
1,2-Dichlorobenzene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	106-46-7	
3,3'-Dichlorobenzidine	ND ug/kg		1940	1	01/05/10 14:30	01/08/10 18:14	91-94-1	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2947-2 Lab ID: 9260290008 Collected: 12/22/09 10:40 Received: 12/24/09 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
2,4-Dichlorophenol	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	120-83-2	
Diethylphthalate	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	84-66-2	
2,4-Dimethylphenol	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	105-67-9	
Dimethylphthalate	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	131-11-3	
Di-n-butylphthalate	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		778	1	01/05/10 14:30	01/08/10 18:14	534-52-1	
2,4-Dinitrophenol	ND ug/kg		1940	1	01/05/10 14:30	01/08/10 18:14	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	606-20-2	
Di-n-octylphthalate	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	117-81-7	
Fluoranthene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	206-44-0	
Fluorene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	87-68-3	
Hexachlorobenzene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	77-47-4	
Hexachloroethane	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	193-39-5	
Isophorone	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	78-59-1	
1-Methylnaphthalene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	90-12-0	
2-Methylnaphthalene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14		
Naphthalene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	91-20-3	
2-Nitroaniline	ND ug/kg		1940	1	01/05/10 14:30	01/08/10 18:14	88-74-4	
3-Nitroaniline	ND ug/kg		1940	1	01/05/10 14:30	01/08/10 18:14	99-09-2	
4-Nitroaniline	ND ug/kg		778	1	01/05/10 14:30	01/08/10 18:14	100-01-6	
Nitrobenzene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	98-95-3	
2-Nitrophenol	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	88-75-5	
4-Nitrophenol	ND ug/kg		1940	1	01/05/10 14:30	01/08/10 18:14	100-02-7	
N-Nitrosodimethylamine	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	86-30-6	
Pentachlorophenol	ND ug/kg		1940	1	01/05/10 14:30	01/08/10 18:14	87-86-5	
Phenanthrene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	85-01-8	
Phenol	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	108-95-2	
Pyrene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		389	1	01/05/10 14:30	01/08/10 18:14	88-06-2	
Nitrobenzene-d5 (S)	66 %		30-150	1	01/05/10 14:30	01/08/10 18:14	4165-60-0	
2-Fluorobiphenyl (S)	63 %		46-120	1	01/05/10 14:30	01/08/10 18:14	321-60-8	
Terphenyl-d14 (S)	64 %		38-108	1	01/05/10 14:30	01/08/10 18:14	1718-51-0	
Phenol-d6 (S)	64 %		35-120	1	01/05/10 14:30	01/08/10 18:14	13127-88-3	
2-Fluorophenol (S)	60 %		24-120	1	01/05/10 14:30	01/08/10 18:14	367-12-4	
2,4,6-Tribromophenol (S)	92 %		44-136	1	01/05/10 14:30	01/08/10 18:14	118-79-6	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2947-2 Lab ID: 9260290008 Collected: 12/22/09 10:40 Received: 12/24/09 10:00 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						
Acetone	ND	ug/kg	76.9	1		12/31/09 14:56	67-64-1	
Benzene	ND	ug/kg	3.8	1		12/31/09 14:56	71-43-2	
Bromobenzene	ND	ug/kg	3.8	1		12/31/09 14:56	108-86-1	
Bromochloromethane	ND	ug/kg	3.8	1		12/31/09 14:56	74-97-5	
Bromodichloromethane	ND	ug/kg	3.8	1		12/31/09 14:56	75-27-4	
Bromoform	ND	ug/kg	3.8	1		12/31/09 14:56	75-25-2	
Bromomethane	ND	ug/kg	7.7	1		12/31/09 14:56	74-83-9	
2-Butanone (MEK)	ND	ug/kg	76.9	1		12/31/09 14:56	78-93-3	
n-Butylbenzene	ND	ug/kg	3.8	1		12/31/09 14:56	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.8	1		12/31/09 14:56	135-98-8	
tert-Butylbenzene	ND	ug/kg	3.8	1		12/31/09 14:56	98-06-6	
Carbon tetrachloride	ND	ug/kg	3.8	1		12/31/09 14:56	56-23-5	
Chlorobenzene	ND	ug/kg	3.8	1		12/31/09 14:56	108-90-7	
Chloroethane	ND	ug/kg	7.7	1		12/31/09 14:56	75-00-3	
Chloroform	ND	ug/kg	3.8	1		12/31/09 14:56	67-66-3	
Chloromethane	ND	ug/kg	7.7	1		12/31/09 14:56	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.8	1		12/31/09 14:56	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.8	1		12/31/09 14:56	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.8	1		12/31/09 14:56	96-12-8	
Dibromochloromethane	ND	ug/kg	3.8	1		12/31/09 14:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.8	1		12/31/09 14:56	106-93-4	
Dibromomethane	ND	ug/kg	3.8	1		12/31/09 14:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3.8	1		12/31/09 14:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.8	1		12/31/09 14:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.8	1		12/31/09 14:56	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	7.7	1		12/31/09 14:56	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.8	1		12/31/09 14:56	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.8	1		12/31/09 14:56	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.8	1		12/31/09 14:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.8	1		12/31/09 14:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.8	1		12/31/09 14:56	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.8	1		12/31/09 14:56	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.8	1		12/31/09 14:56	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.8	1		12/31/09 14:56	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.8	1		12/31/09 14:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.8	1		12/31/09 14:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.8	1		12/31/09 14:56	10061-02-6	
Diisopropyl ether	ND	ug/kg	3.8	1		12/31/09 14:56	108-20-3	
Ethylbenzene	ND	ug/kg	3.8	1		12/31/09 14:56	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.8	1		12/31/09 14:56	87-68-3	
2-Hexanone	ND	ug/kg	38.5	1		12/31/09 14:56	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.8	1		12/31/09 14:56	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.8	1		12/31/09 14:56	99-87-6	
Methylene Chloride	ND	ug/kg	15.4	1		12/31/09 14:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	38.5	1		12/31/09 14:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.8	1		12/31/09 14:56	1634-04-4	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2947-2 **Lab ID:** 9260290008 **Collected:** 12/22/09 10:40 **Received:** 12/24/09 10:00 **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						
Naphthalene	ND	ug/kg	3.8	1		12/31/09 14:56	91-20-3	
n-Propylbenzene	ND	ug/kg	3.8	1		12/31/09 14:56	103-65-1	
Styrene	ND	ug/kg	3.8	1		12/31/09 14:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.8	1		12/31/09 14:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.8	1		12/31/09 14:56	79-34-5	
Tetrachloroethene	ND	ug/kg	3.8	1		12/31/09 14:56	127-18-4	
Toluene	ND	ug/kg	3.8	1		12/31/09 14:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.8	1		12/31/09 14:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.8	1		12/31/09 14:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.8	1		12/31/09 14:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.8	1		12/31/09 14:56	79-00-5	
Trichloroethene	ND	ug/kg	3.8	1		12/31/09 14:56	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.8	1		12/31/09 14:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.8	1		12/31/09 14:56	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.8	1		12/31/09 14:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.8	1		12/31/09 14:56	108-67-8	
Vinyl acetate	ND	ug/kg	38.5	1		12/31/09 14:56	108-05-4	
Vinyl chloride	ND	ug/kg	7.7	1		12/31/09 14:56	75-01-4	
Xylene (Total)	ND	ug/kg	7.7	1		12/31/09 14:56	1330-20-7	
m&p-Xylene	ND	ug/kg	7.7	1		12/31/09 14:56	1330-20-7	
o-Xylene	ND	ug/kg	3.8	1		12/31/09 14:56	95-47-6	
Dibromofluoromethane (S)	96 %		79-116	1		12/31/09 14:56	1868-53-7	
Toluene-d8 (S)	101 %		88-110	1		12/31/09 14:56	2037-26-5	
4-Bromofluorobenzene (S)	99 %		74-115	1		12/31/09 14:56	460-00-4	
1,2-Dichloroethane-d4 (S)	104 %		69-121	1		12/31/09 14:56	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	15.1 %		0.10	1		12/28/09 16:35		

ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2947-3 **Lab ID:** 9260290009 **Collected:** 12/22/09 10:25 **Received:** 12/24/09 10:00 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		5.8	1	01/04/10 11:00	01/04/10 22:17	68334-30-5	
n-Pentacosane (S)	78 %		50-135	1	01/04/10 11:00	01/04/10 22:17	629-99-2	
MADEP EPH NC Soil								
Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		11.5	1	01/04/10 15:45	01/07/10 20:52		
Aliphatic (C19-C36)	ND mg/kg		11.5	1	01/04/10 15:45	01/07/10 20:52		
Aromatic (C11-C22)	ND mg/kg		11.5	1	01/04/10 15:45	01/06/10 08:01		
Nonatriacontane (S)	41 %		40-140	1	01/04/10 15:45	01/07/10 20:52	7194-86-7	
o-Terphenyl (S)	63 %		40-140	1	01/04/10 15:45	01/06/10 08:01	84-15-1	
2-Fluorobiphenyl (S)	74 %		40-140	1	01/04/10 15:45	01/06/10 08:01	321-60-8	
2-Bromonaphthalene (S)	75 %		40-140	1	01/04/10 15:45	01/06/10 08:01	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	01/05/10 16:15	01/05/10 20:25	8006-61-9	
4-Bromofluorobenzene (S)	106 %		50-135	1	01/05/10 16:15	01/05/10 20:25	460-00-4	
8270 MSSV Microwave								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	83-32-9	
Acenaphthylene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	208-96-8	
Aniline	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	62-53-3	
Anthracene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	120-12-7	
Benzo(a)anthracene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	56-55-3	
Benzo(a)pyrene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	207-08-9	
Benzoic Acid	ND ug/kg		1900	1	01/05/10 14:30	01/08/10 18:43	65-85-0	
Benzyl alcohol	ND ug/kg		761	1	01/05/10 14:30	01/08/10 18:43	100-51-6	
4-Bromophenylphenyl ether	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	101-55-3	
Butylbenzylphthalate	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		761	1	01/05/10 14:30	01/08/10 18:43	59-50-7	
4-Chloroaniline	ND ug/kg		1900	1	01/05/10 14:30	01/08/10 18:43	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	108-60-1	
2-Chloronaphthalene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	91-58-7	
2-Chlorophenol	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	7005-72-3	
Chrysene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	53-70-3	
Dibenzofuran	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	132-64-9	
1,2-Dichlorobenzene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	106-46-7	
3,3'-Dichlorobenzidine	ND ug/kg		1900	1	01/05/10 14:30	01/08/10 18:43	91-94-1	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2947-3 **Lab ID:** 9260290009 **Collected:** 12/22/09 10:25 **Received:** 12/24/09 10:00 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
2,4-Dichlorophenol	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	120-83-2	
Diethylphthalate	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	84-66-2	
2,4-Dimethylphenol	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	105-67-9	
Dimethylphthalate	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	131-11-3	
Di-n-butylphthalate	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		761	1	01/05/10 14:30	01/08/10 18:43	534-52-1	
2,4-Dinitrophenol	ND ug/kg		1900	1	01/05/10 14:30	01/08/10 18:43	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	606-20-2	
Di-n-octylphthalate	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	117-81-7	
Fluoranthene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	206-44-0	
Fluorene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	87-68-3	
Hexachlorobenzene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	77-47-4	
Hexachloroethane	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	193-39-5	
Isophorone	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	78-59-1	
1-Methylnaphthalene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	90-12-0	
2-Methylnaphthalene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43		
Naphthalene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	91-20-3	
2-Nitroaniline	ND ug/kg		1900	1	01/05/10 14:30	01/08/10 18:43	88-74-4	
3-Nitroaniline	ND ug/kg		1900	1	01/05/10 14:30	01/08/10 18:43	99-09-2	
4-Nitroaniline	ND ug/kg		761	1	01/05/10 14:30	01/08/10 18:43	100-01-6	
Nitrobenzene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	98-95-3	
2-Nitrophenol	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	88-75-5	
4-Nitrophenol	ND ug/kg		1900	1	01/05/10 14:30	01/08/10 18:43	100-02-7	
N-Nitrosodimethylamine	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	86-30-6	
Pentachlorophenol	ND ug/kg		1900	1	01/05/10 14:30	01/08/10 18:43	87-86-5	
Phenanthrene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	85-01-8	
Phenol	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	108-95-2	
Pyrene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		381	1	01/05/10 14:30	01/08/10 18:43	88-06-2	
Nitrobenzene-d5 (S)	53 %		30-150	1	01/05/10 14:30	01/08/10 18:43	4165-60-0	
2-Fluorobiphenyl (S)	50 %		46-120	1	01/05/10 14:30	01/08/10 18:43	321-60-8	
Terphenyl-d14 (S)	43 %		38-108	1	01/05/10 14:30	01/08/10 18:43	1718-51-0	
Phenol-d6 (S)	49 %		35-120	1	01/05/10 14:30	01/08/10 18:43	13127-88-3	
2-Fluorophenol (S)	47 %		24-120	1	01/05/10 14:30	01/08/10 18:43	367-12-4	
2,4,6-Tribromophenol (S)	73 %		44-136	1	01/05/10 14:30	01/08/10 18:43	118-79-6	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2947-3 Lab ID: 9260290009 Collected: 12/22/09 10:25 Received: 12/24/09 10:00 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						
Acetone	ND	ug/kg	85.2	1		12/31/09 15:14	67-64-1	
Benzene	ND	ug/kg	4.3	1		12/31/09 15:14	71-43-2	
Bromobenzene	ND	ug/kg	4.3	1		12/31/09 15:14	108-86-1	
Bromochloromethane	ND	ug/kg	4.3	1		12/31/09 15:14	74-97-5	
Bromodichloromethane	ND	ug/kg	4.3	1		12/31/09 15:14	75-27-4	
Bromoform	ND	ug/kg	4.3	1		12/31/09 15:14	75-25-2	
Bromomethane	ND	ug/kg	8.5	1		12/31/09 15:14	74-83-9	
2-Butanone (MEK)	ND	ug/kg	85.2	1		12/31/09 15:14	78-93-3	
n-Butylbenzene	ND	ug/kg	4.3	1		12/31/09 15:14	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.3	1		12/31/09 15:14	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.3	1		12/31/09 15:14	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.3	1		12/31/09 15:14	56-23-5	
Chlorobenzene	ND	ug/kg	4.3	1		12/31/09 15:14	108-90-7	
Chloroethane	ND	ug/kg	8.5	1		12/31/09 15:14	75-00-3	
Chloroform	ND	ug/kg	4.3	1		12/31/09 15:14	67-66-3	
Chloromethane	ND	ug/kg	8.5	1		12/31/09 15:14	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.3	1		12/31/09 15:14	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.3	1		12/31/09 15:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.3	1		12/31/09 15:14	96-12-8	
Dibromochloromethane	ND	ug/kg	4.3	1		12/31/09 15:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.3	1		12/31/09 15:14	106-93-4	
Dibromomethane	ND	ug/kg	4.3	1		12/31/09 15:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.3	1		12/31/09 15:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.3	1		12/31/09 15:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.3	1		12/31/09 15:14	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.5	1		12/31/09 15:14	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.3	1		12/31/09 15:14	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.3	1		12/31/09 15:14	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.3	1		12/31/09 15:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.3	1		12/31/09 15:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.3	1		12/31/09 15:14	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.3	1		12/31/09 15:14	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.3	1		12/31/09 15:14	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.3	1		12/31/09 15:14	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.3	1		12/31/09 15:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.3	1		12/31/09 15:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.3	1		12/31/09 15:14	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.3	1		12/31/09 15:14	108-20-3	
Ethylbenzene	ND	ug/kg	4.3	1		12/31/09 15:14	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.3	1		12/31/09 15:14	87-68-3	
2-Hexanone	ND	ug/kg	42.6	1		12/31/09 15:14	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.3	1		12/31/09 15:14	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.3	1		12/31/09 15:14	99-87-6	
Methylene Chloride	ND	ug/kg	17.0	1		12/31/09 15:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	42.6	1		12/31/09 15:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.3	1		12/31/09 15:14	1634-04-4	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2947-3 **Lab ID:** 9260290009 **Collected:** 12/22/09 10:25 **Received:** 12/24/09 10:00 **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						
Naphthalene	ND	ug/kg	4.3	1		12/31/09 15:14	91-20-3	
n-Propylbenzene	ND	ug/kg	4.3	1		12/31/09 15:14	103-65-1	
Styrene	ND	ug/kg	4.3	1		12/31/09 15:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.3	1		12/31/09 15:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.3	1		12/31/09 15:14	79-34-5	
Tetrachloroethene	ND	ug/kg	4.3	1		12/31/09 15:14	127-18-4	
Toluene	ND	ug/kg	4.3	1		12/31/09 15:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.3	1		12/31/09 15:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.3	1		12/31/09 15:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.3	1		12/31/09 15:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.3	1		12/31/09 15:14	79-00-5	
Trichloroethene	ND	ug/kg	4.3	1		12/31/09 15:14	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.3	1		12/31/09 15:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.3	1		12/31/09 15:14	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.3	1		12/31/09 15:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.3	1		12/31/09 15:14	108-67-8	
Vinyl acetate	ND	ug/kg	42.6	1		12/31/09 15:14	108-05-4	
Vinyl chloride	ND	ug/kg	8.5	1		12/31/09 15:14	75-01-4	
Xylene (Total)	ND	ug/kg	8.5	1		12/31/09 15:14	1330-20-7	
m&p-Xylene	ND	ug/kg	8.5	1		12/31/09 15:14	1330-20-7	
o-Xylene	ND	ug/kg	4.3	1		12/31/09 15:14	95-47-6	
Dibromofluoromethane (S)	94 %		79-116	1		12/31/09 15:14	1868-53-7	
Toluene-d8 (S)	101 %		88-110	1		12/31/09 15:14	2037-26-5	
4-Bromofluorobenzene (S)	99 %		74-115	1		12/31/09 15:14	460-00-4	
1,2-Dichloroethane-d4 (S)	102 %		69-121	1		12/31/09 15:14	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	13.3 %		0.10	1		12/28/09 16:35		

ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2947-4 Lab ID: 9260290010 Collected: 12/22/09 10:20 Received: 12/24/09 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		5.9	1	01/04/10 11:00	01/04/10 22:46	68334-30-5	
n-Pentacosane (S)	67 %		50-135	1	01/04/10 11:00	01/04/10 22:46	629-99-2	
MADEP EPH NC Soil								
Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		11.7	1	01/04/10 15:45	01/07/10 21:26		
Aliphatic (C19-C36)	ND mg/kg		11.7	1	01/04/10 15:45	01/07/10 21:26		
Aromatic (C11-C22)	ND mg/kg		11.7	1	01/04/10 15:45	01/06/10 08:34		
Nonatriacontane (S)	48 %		40-140	1	01/04/10 15:45	01/07/10 21:26	7194-86-7	
o-Terphenyl (S)	63 %		40-140	1	01/04/10 15:45	01/06/10 08:34	84-15-1	
2-Fluorobiphenyl (S)	85 %		40-140	1	01/04/10 15:45	01/06/10 08:34	321-60-8	
2-Bromonaphthalene (S)	85 %		40-140	1	01/04/10 15:45	01/06/10 08:34	580-13-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		4.7	1	01/05/10 16:15	01/05/10 22:54	8006-61-9	
4-Bromofluorobenzene (S)	116 %		50-135	1	01/05/10 16:15	01/05/10 22:54	460-00-4	
8270 MSSV Microwave								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	83-32-9	
Acenaphthylene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	208-96-8	
Aniline	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	62-53-3	
Anthracene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	120-12-7	
Benzo(a)anthracene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	56-55-3	
Benzo(a)pyrene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	207-08-9	
Benzoic Acid	ND ug/kg		1940	1	01/05/10 14:30	01/08/10 19:13	65-85-0	
Benzyl alcohol	ND ug/kg		775	1	01/05/10 14:30	01/08/10 19:13	100-51-6	
4-Bromophenylphenyl ether	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	101-55-3	
Butylbenzylphthalate	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		775	1	01/05/10 14:30	01/08/10 19:13	59-50-7	
4-Chloroaniline	ND ug/kg		1940	1	01/05/10 14:30	01/08/10 19:13	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	108-60-1	
2-Chloronaphthalene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	91-58-7	
2-Chlorophenol	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	7005-72-3	
Chrysene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	53-70-3	
Dibenzofuran	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	132-64-9	
1,2-Dichlorobenzene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	106-46-7	
3,3'-Dichlorobenzidine	ND ug/kg		1940	1	01/05/10 14:30	01/08/10 19:13	91-94-1	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2947-4 Lab ID: 9260290010 Collected: 12/22/09 10:20 Received: 12/24/09 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
2,4-Dichlorophenol	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	120-83-2	
Diethylphthalate	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	84-66-2	
2,4-Dimethylphenol	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	105-67-9	
Dimethylphthalate	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	131-11-3	
Di-n-butylphthalate	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		775	1	01/05/10 14:30	01/08/10 19:13	534-52-1	
2,4-Dinitrophenol	ND ug/kg		1940	1	01/05/10 14:30	01/08/10 19:13	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	606-20-2	
Di-n-octylphthalate	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	117-81-7	
Fluoranthene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	206-44-0	
Fluorene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	87-68-3	
Hexachlorobenzene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	77-47-4	
Hexachloroethane	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	193-39-5	
Isophorone	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	78-59-1	
1-Methylnaphthalene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	90-12-0	
2-Methylnaphthalene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13		
Naphthalene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	91-20-3	
2-Nitroaniline	ND ug/kg		1940	1	01/05/10 14:30	01/08/10 19:13	88-74-4	
3-Nitroaniline	ND ug/kg		1940	1	01/05/10 14:30	01/08/10 19:13	99-09-2	
4-Nitroaniline	ND ug/kg		775	1	01/05/10 14:30	01/08/10 19:13	100-01-6	
Nitrobenzene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	98-95-3	
2-Nitrophenol	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	88-75-5	
4-Nitrophenol	ND ug/kg		1940	1	01/05/10 14:30	01/08/10 19:13	100-02-7	
N-Nitrosodimethylamine	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	86-30-6	
Pentachlorophenol	ND ug/kg		1940	1	01/05/10 14:30	01/08/10 19:13	87-86-5	
Phenanthrene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	85-01-8	
Phenol	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	108-95-2	
Pyrene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		387	1	01/05/10 14:30	01/08/10 19:13	88-06-2	
Nitrobenzene-d5 (S)	77 %		30-150	1	01/05/10 14:30	01/08/10 19:13	4165-60-0	
2-Fluorobiphenyl (S)	74 %		46-120	1	01/05/10 14:30	01/08/10 19:13	321-60-8	
Terphenyl-d14 (S)	74 %		38-108	1	01/05/10 14:30	01/08/10 19:13	1718-51-0	
Phenol-d6 (S)	75 %		35-120	1	01/05/10 14:30	01/08/10 19:13	13127-88-3	
2-Fluorophenol (S)	67 %		24-120	1	01/05/10 14:30	01/08/10 19:13	367-12-4	
2,4,6-Tribromophenol (S)	99 %		44-136	1	01/05/10 14:30	01/08/10 19:13	118-79-6	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2947-4 Lab ID: 9260290010 Collected: 12/22/09 10:20 Received: 12/24/09 10:00 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						
Acetone	ND	ug/kg	73.1	1		12/31/09 15:32	67-64-1	
Benzene	ND	ug/kg	3.7	1		12/31/09 15:32	71-43-2	
Bromobenzene	ND	ug/kg	3.7	1		12/31/09 15:32	108-86-1	
Bromochloromethane	ND	ug/kg	3.7	1		12/31/09 15:32	74-97-5	
Bromodichloromethane	ND	ug/kg	3.7	1		12/31/09 15:32	75-27-4	
Bromoform	ND	ug/kg	3.7	1		12/31/09 15:32	75-25-2	
Bromomethane	ND	ug/kg	7.3	1		12/31/09 15:32	74-83-9	
2-Butanone (MEK)	ND	ug/kg	73.1	1		12/31/09 15:32	78-93-3	
n-Butylbenzene	ND	ug/kg	3.7	1		12/31/09 15:32	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.7	1		12/31/09 15:32	135-98-8	
tert-Butylbenzene	ND	ug/kg	3.7	1		12/31/09 15:32	98-06-6	
Carbon tetrachloride	ND	ug/kg	3.7	1		12/31/09 15:32	56-23-5	
Chlorobenzene	ND	ug/kg	3.7	1		12/31/09 15:32	108-90-7	
Chloroethane	ND	ug/kg	7.3	1		12/31/09 15:32	75-00-3	
Chloroform	ND	ug/kg	3.7	1		12/31/09 15:32	67-66-3	
Chloromethane	ND	ug/kg	7.3	1		12/31/09 15:32	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.7	1		12/31/09 15:32	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.7	1		12/31/09 15:32	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.7	1		12/31/09 15:32	96-12-8	
Dibromochloromethane	ND	ug/kg	3.7	1		12/31/09 15:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.7	1		12/31/09 15:32	106-93-4	
Dibromomethane	ND	ug/kg	3.7	1		12/31/09 15:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3.7	1		12/31/09 15:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.7	1		12/31/09 15:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.7	1		12/31/09 15:32	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	7.3	1		12/31/09 15:32	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.7	1		12/31/09 15:32	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.7	1		12/31/09 15:32	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.7	1		12/31/09 15:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.7	1		12/31/09 15:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.7	1		12/31/09 15:32	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.7	1		12/31/09 15:32	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.7	1		12/31/09 15:32	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.7	1		12/31/09 15:32	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.7	1		12/31/09 15:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.7	1		12/31/09 15:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.7	1		12/31/09 15:32	10061-02-6	
Diisopropyl ether	ND	ug/kg	3.7	1		12/31/09 15:32	108-20-3	
Ethylbenzene	ND	ug/kg	3.7	1		12/31/09 15:32	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.7	1		12/31/09 15:32	87-68-3	
2-Hexanone	ND	ug/kg	36.6	1		12/31/09 15:32	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.7	1		12/31/09 15:32	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.7	1		12/31/09 15:32	99-87-6	
Methylene Chloride	ND	ug/kg	14.6	1		12/31/09 15:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	36.6	1		12/31/09 15:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.7	1		12/31/09 15:32	1634-04-4	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2947-4 **Lab ID:** 9260290010 **Collected:** 12/22/09 10:20 **Received:** 12/24/09 10:00 **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						
Naphthalene	ND	ug/kg	3.7	1		12/31/09 15:32	91-20-3	
n-Propylbenzene	ND	ug/kg	3.7	1		12/31/09 15:32	103-65-1	
Styrene	ND	ug/kg	3.7	1		12/31/09 15:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.7	1		12/31/09 15:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.7	1		12/31/09 15:32	79-34-5	
Tetrachloroethene	ND	ug/kg	3.7	1		12/31/09 15:32	127-18-4	
Toluene	ND	ug/kg	3.7	1		12/31/09 15:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.7	1		12/31/09 15:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.7	1		12/31/09 15:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.7	1		12/31/09 15:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.7	1		12/31/09 15:32	79-00-5	
Trichloroethene	ND	ug/kg	3.7	1		12/31/09 15:32	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.7	1		12/31/09 15:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.7	1		12/31/09 15:32	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.7	1		12/31/09 15:32	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.7	1		12/31/09 15:32	108-67-8	
Vinyl acetate	ND	ug/kg	36.6	1		12/31/09 15:32	108-05-4	
Vinyl chloride	ND	ug/kg	7.3	1		12/31/09 15:32	75-01-4	
Xylene (Total)	ND	ug/kg	7.3	1		12/31/09 15:32	1330-20-7	
m&p-Xylene	ND	ug/kg	7.3	1		12/31/09 15:32	1330-20-7	
o-Xylene	ND	ug/kg	3.7	1		12/31/09 15:32	95-47-6	
Dibromofluoromethane (S)	94 %		79-116	1		12/31/09 15:32	1868-53-7	
Toluene-d8 (S)	100 %		88-110	1		12/31/09 15:32	2037-26-5	
4-Bromofluorobenzene (S)	98 %		74-115	1		12/31/09 15:32	460-00-4	
1,2-Dichloroethane-d4 (S)	99 %		69-121	1		12/31/09 15:32	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	14.8 %		0.10	1		12/28/09 16:35		

ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2947-B-6.5 **Lab ID:** 9260290011 **Collected:** 12/22/09 10:45 **Received:** 12/24/09 10:00 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		6.5	1	01/04/10 11:00	01/04/10 22:46	68334-30-5	
n-Pentacosane (S)	81 %		50-135	1	01/04/10 11:00	01/04/10 22:46	629-99-2	
MADEP EPH NC Soil								
Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		12.9	1	01/04/10 15:45	01/07/10 22:00		
Aliphatic (C19-C36)	ND mg/kg		12.9	1	01/04/10 15:45	01/07/10 22:00		
Aromatic (C11-C22)	ND mg/kg		12.9	1	01/04/10 15:45	01/06/10 09:08		
Nonatriacontane (S)	14 %		40-140	1	01/04/10 15:45	01/07/10 22:00	7194-86-7	S2
o-Terphenyl (S)	28 %		40-140	1	01/04/10 15:45	01/06/10 09:08	84-15-1	S2
2-Fluorobiphenyl (S)	82 %		40-140	1	01/04/10 15:45	01/06/10 09:08	321-60-8	
2-Bromonaphthalene (S)	82 %		40-140	1	01/04/10 15:45	01/06/10 09:08	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	01/05/10 16:15	01/05/10 23:44	8006-61-9	
4-Bromofluorobenzene (S)	145 %		50-135	1	01/05/10 16:15	01/05/10 23:44	460-00-4	S3
8270 MSSV Microwave								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	83-32-9	
Acenaphthylene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	208-96-8	
Aniline	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	62-53-3	
Anthracene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	120-12-7	
Benzo(a)anthracene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	56-55-3	
Benzo(a)pyrene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	207-08-9	
Benzoic Acid	ND ug/kg		2130	1	01/05/10 14:30	01/08/10 19:43	65-85-0	
Benzyl alcohol	ND ug/kg		853	1	01/05/10 14:30	01/08/10 19:43	100-51-6	
4-Bromophenylphenyl ether	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	101-55-3	
Butylbenzylphthalate	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		853	1	01/05/10 14:30	01/08/10 19:43	59-50-7	
4-Chloroaniline	ND ug/kg		2130	1	01/05/10 14:30	01/08/10 19:43	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	108-60-1	
2-Chloronaphthalene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	91-58-7	
2-Chlorophenol	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	7005-72-3	
Chrysene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	53-70-3	
Dibenzofuran	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	132-64-9	
1,2-Dichlorobenzene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	106-46-7	
3,3'-Dichlorobenzidine	ND ug/kg		2130	1	01/05/10 14:30	01/08/10 19:43	91-94-1	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2947-B-6.5 Lab ID: 9260290011 Collected: 12/22/09 10:45 Received: 12/24/09 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
2,4-Dichlorophenol	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	120-83-2	
Diethylphthalate	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	84-66-2	
2,4-Dimethylphenol	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	105-67-9	
Dimethylphthalate	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	131-11-3	
Di-n-butylphthalate	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		853	1	01/05/10 14:30	01/08/10 19:43	534-52-1	
2,4-Dinitrophenol	ND ug/kg		2130	1	01/05/10 14:30	01/08/10 19:43	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	606-20-2	
Di-n-octylphthalate	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	117-81-7	
Fluoranthene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	206-44-0	
Fluorene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	87-68-3	
Hexachlorobenzene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	77-47-4	
Hexachloroethane	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	193-39-5	
Isophorone	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	78-59-1	
1-Methylnaphthalene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	90-12-0	
2-Methylnaphthalene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43		
Naphthalene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	91-20-3	
2-Nitroaniline	ND ug/kg		2130	1	01/05/10 14:30	01/08/10 19:43	88-74-4	
3-Nitroaniline	ND ug/kg		2130	1	01/05/10 14:30	01/08/10 19:43	99-09-2	
4-Nitroaniline	ND ug/kg		853	1	01/05/10 14:30	01/08/10 19:43	100-01-6	
Nitrobenzene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	98-95-3	
2-Nitrophenol	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	88-75-5	
4-Nitrophenol	ND ug/kg		2130	1	01/05/10 14:30	01/08/10 19:43	100-02-7	
N-Nitrosodimethylamine	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	86-30-6	
Pentachlorophenol	ND ug/kg		2130	1	01/05/10 14:30	01/08/10 19:43	87-86-5	
Phenanthrene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	85-01-8	
Phenol	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	108-95-2	
Pyrene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		426	1	01/05/10 14:30	01/08/10 19:43	88-06-2	
Nitrobenzene-d5 (S)	66 %		30-150	1	01/05/10 14:30	01/08/10 19:43	4165-60-0	
2-Fluorobiphenyl (S)	63 %		46-120	1	01/05/10 14:30	01/08/10 19:43	321-60-8	
Terphenyl-d14 (S)	75 %		38-108	1	01/05/10 14:30	01/08/10 19:43	1718-51-0	
Phenol-d6 (S)	65 %		35-120	1	01/05/10 14:30	01/08/10 19:43	13127-88-3	
2-Fluorophenol (S)	61 %		24-120	1	01/05/10 14:30	01/08/10 19:43	367-12-4	
2,4,6-Tribromophenol (S)	92 %		44-136	1	01/05/10 14:30	01/08/10 19:43	118-79-6	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2947-B-6.5 Lab ID: 9260290011 Collected: 12/22/09 10:45 Received: 12/24/09 10:00 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						
Acetone	ND	ug/kg	92.3	1		12/31/09 15:50	67-64-1	
Benzene	ND	ug/kg	4.6	1		12/31/09 15:50	71-43-2	
Bromobenzene	ND	ug/kg	4.6	1		12/31/09 15:50	108-86-1	
Bromochloromethane	ND	ug/kg	4.6	1		12/31/09 15:50	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1		12/31/09 15:50	75-27-4	
Bromoform	ND	ug/kg	4.6	1		12/31/09 15:50	75-25-2	
Bromomethane	ND	ug/kg	9.2	1		12/31/09 15:50	74-83-9	
2-Butanone (MEK)	ND	ug/kg	92.3	1		12/31/09 15:50	78-93-3	
n-Butylbenzene	ND	ug/kg	4.6	1		12/31/09 15:50	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.6	1		12/31/09 15:50	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.6	1		12/31/09 15:50	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.6	1		12/31/09 15:50	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1		12/31/09 15:50	108-90-7	
Chloroethane	ND	ug/kg	9.2	1		12/31/09 15:50	75-00-3	
Chloroform	ND	ug/kg	4.6	1		12/31/09 15:50	67-66-3	
Chloromethane	ND	ug/kg	9.2	1		12/31/09 15:50	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.6	1		12/31/09 15:50	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.6	1		12/31/09 15:50	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.6	1		12/31/09 15:50	96-12-8	
Dibromochloromethane	ND	ug/kg	4.6	1		12/31/09 15:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1		12/31/09 15:50	106-93-4	
Dibromomethane	ND	ug/kg	4.6	1		12/31/09 15:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1		12/31/09 15:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1		12/31/09 15:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1		12/31/09 15:50	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.2	1		12/31/09 15:50	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1		12/31/09 15:50	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	1		12/31/09 15:50	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1		12/31/09 15:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1		12/31/09 15:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1		12/31/09 15:50	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1		12/31/09 15:50	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.6	1		12/31/09 15:50	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.6	1		12/31/09 15:50	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.6	1		12/31/09 15:50	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1		12/31/09 15:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1		12/31/09 15:50	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.6	1		12/31/09 15:50	108-20-3	
Ethylbenzene	ND	ug/kg	4.6	1		12/31/09 15:50	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	1		12/31/09 15:50	87-68-3	
2-Hexanone	ND	ug/kg	46.1	1		12/31/09 15:50	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1		12/31/09 15:50	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1		12/31/09 15:50	99-87-6	
Methylene Chloride	ND	ug/kg	18.5	1		12/31/09 15:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	46.1	1		12/31/09 15:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1		12/31/09 15:50	1634-04-4	

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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-2947-B-6.5 **Lab ID:** 9260290011 **Collected:** 12/22/09 10:45 **Received:** 12/24/09 10:00 **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						
Naphthalene	ND	ug/kg	4.6	1		12/31/09 15:50	91-20-3	
n-Propylbenzene	ND	ug/kg	4.6	1		12/31/09 15:50	103-65-1	
Styrene	ND	ug/kg	4.6	1		12/31/09 15:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1		12/31/09 15:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1		12/31/09 15:50	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1		12/31/09 15:50	127-18-4	
Toluene	ND	ug/kg	4.6	1		12/31/09 15:50	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	1		12/31/09 15:50	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1		12/31/09 15:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1		12/31/09 15:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1		12/31/09 15:50	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1		12/31/09 15:50	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	1		12/31/09 15:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	1		12/31/09 15:50	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1		12/31/09 15:50	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1		12/31/09 15:50	108-67-8	
Vinyl acetate	ND	ug/kg	46.1	1		12/31/09 15:50	108-05-4	
Vinyl chloride	ND	ug/kg	9.2	1		12/31/09 15:50	75-01-4	
Xylene (Total)	ND	ug/kg	9.2	1		12/31/09 15:50	1330-20-7	
m&p-Xylene	ND	ug/kg	9.2	1		12/31/09 15:50	1330-20-7	
o-Xylene	ND	ug/kg	4.6	1		12/31/09 15:50	95-47-6	
Dibromofluoromethane (S)	96 %		79-116	1		12/31/09 15:50	1868-53-7	
Toluene-d8 (S)	102 %		88-110	1		12/31/09 15:50	2037-26-5	
4-Bromofluorobenzene (S)	100 %		74-115	1		12/31/09 15:50	460-00-4	
1,2-Dichloroethane-d4 (S)	105 %		69-121	1		12/31/09 15:50	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	22.6 %	0.10	1	12/28/09 16:35
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ANALYTICAL RESULTS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

Sample: TT-STOCKPILE #7 **Lab ID: 9260290012** Collected: 12/22/09 15:35 Received: 12/24/09 10:00 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	578 mg/kg		13.1	2	01/04/10 11:00	01/05/10 11:35	68334-30-5	
n-Pentacosane (S)	114 %		50-135	2	01/04/10 11:00	01/05/10 11:35	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	23.9 mg/kg		6.1	1	01/05/10 16:15	01/05/10 23:19	8006-61-9	
4-Bromofluorobenzene (S)	155 %		50-135	1	01/05/10 16:15	01/05/10 23:19	460-00-4	S5
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	23.4 %		0.10	1		12/28/09 16:36		

QUALITY CONTROL DATA

Project: TT-2 TANK TANK

Pace Project No.: 9260290

QC Batch:	OEXT/8958	Analysis Method:	EPA 8015 Modified
QC Batch Method:	EPA 3546	Analysis Description:	8015 Solid GCSV
Associated Lab Samples:	9260290001, 9260290002, 9260290003, 9260290005, 9260290006, 9260290007, 9260290008, 9260290009, 9260290010, 9260290011, 9260290012		

METHOD BLANK:	386210	Matrix:	Solid
Associated Lab Samples:	9260290001, 9260290002, 9260290003, 9260290005, 9260290006, 9260290007, 9260290008, 9260290009, 9260290010, 9260290011, 9260290012		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	ND	5.0	01/04/10 17:29	
n-Pentacosane (S)	%	71	50-135	01/04/10 17:29	

LABORATORY CONTROL SAMPLE & LCSD:		386211	386212							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Components	mg/kg	167	160	136	96	82	50-114	16		
n-Pentacosane (S)	%				89	80	50-135			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		386213			386214						
Parameter	Units	9260262006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Diesel Components	mg/kg	13.0	221	221	114	126	46	51	50-107	9	M0
n-Pentacosane (S)	%						44	51	50-135		S2

QUALITY CONTROL DATA

Project: TT-2 TANK TANK

Pace Project No.: 9260290

QC Batch:	OEXT/8977	Analysis Method:	EPA 8015 Modified
QC Batch Method:	EPA 3546	Analysis Description:	8015 Solid GCSV
Associated Lab Samples:	9260290004		

METHOD BLANK: 387026 Matrix: Solid

Associated Lab Samples: 9260290004

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

LABORATORY CONTROL SAMPLE & LCSD: 387027

387028

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Components	mg/kg	167	144	171	86		50-114	17		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 387029

387030

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

QUALITY CONTROL DATA

Project: TT-2 TANK TANK

Pace Project No.: 9260290

QC Batch:	OEXT/8940	Analysis Method:	MADEP EPH
QC Batch Method:	MADEP EPH	Analysis Description:	MADEP EPH NC Soil
Associated Lab Samples: 9260290001, 9260290002, 9260290003, 9260290004, 9260290005, 9260290006, 9260290007			

METHOD BLANK:	385464	Matrix:	Solid
Associated Lab Samples: 9260290001, 9260290002, 9260290003, 9260290004, 9260290005, 9260290006, 9260290007			

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aliphatic (C09-C18)	mg/kg	ND	10.0	01/05/10 00:15	
Aliphatic (C19-C36)	mg/kg	ND	10.0	01/05/10 00:15	
Aromatic (C11-C22)	mg/kg	ND	10.0	01/05/10 00:15	
2-Bromonaphthalene (S)	%	85	40-140	01/05/10 00:15	
2-Fluorobiphenyl (S)	%	86	40-140	01/05/10 00:15	
Nonatriacontane (S)	%	73	40-140	01/05/10 00:15	
o-Terphenyl (S)	%	74	40-140	01/05/10 00:15	

LABORATORY CONTROL SAMPLE & LCSD:		385465								
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	80	77	40-140		50	
Aliphatic (C19-C36)	mg/kg	13.3	11.1	10.6	83	79	40-140	5	50	
Aromatic (C11-C22)	mg/kg	28.3	22.5	20.4	79	72	40-140	10	50	
2-Bromonaphthalene (S)	%				81	78	40-140			
2-Fluorobiphenyl (S)	%				84	80	40-140			
Nonatriacontane (S)	%				90	85	40-140			
o-Terphenyl (S)	%				78	70	40-140			

QUALITY CONTROL DATA

Project: TT-2 TANK TANK

Pace Project No.: 9260290

QC Batch: OEXT/8965 Analysis Method: MADEP EPH
QC Batch Method: MADEP EPH Analysis Description: MADEP EPH NC Soil
Associated Lab Samples: 9260290008, 9260290009, 9260290010, 9260290011

METHOD BLANK: 386445 Matrix: Solid
Associated Lab Samples: 9260290008, 9260290009, 9260290010, 9260290011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aliphatic (C09-C18)	mg/kg	ND	10.0	01/06/10 03:31	
Aliphatic (C19-C36)	mg/kg	ND	10.0	01/06/10 03:31	
Aromatic (C11-C22)	mg/kg	ND	10.0	01/06/10 03:31	
2-Bromonaphthalene (S)	%	78	40-140	01/06/10 03:31	
2-Fluorobiphenyl (S)	%	77	40-140	01/06/10 03:31	
Nonatriacontane (S)	%	110	40-140	01/06/10 03:31	
o-Terphenyl (S)	%	77	40-140	01/06/10 03:31	

LABORATORY CONTROL SAMPLE & LCSD: 386446

386447

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	86	74	40-140		50	
Aliphatic (C19-C36)	mg/kg	13.3	12.1	11.2	91	84	40-140	7	50	
Aromatic (C11-C22)	mg/kg	28.3	24.6	21.9	87	77	40-140	12	50	
2-Bromonaphthalene (S)	%				87	83	40-140			
2-Fluorobiphenyl (S)	%				86	82	40-140			
Nonatriacontane (S)	%				109	105	40-140			
o-Terphenyl (S)	%				89	81	40-140			

QUALITY CONTROL DATA

Project: TT-2 TANK TANK

Pace Project No.: 9260290

QC Batch:	GCV/3729	Analysis Method:	EPA 8015 Modified
QC Batch Method:	EPA 5035A/5030B	Analysis Description:	Gasoline Range Organics
Associated Lab Samples:	9260290001		

METHOD BLANK: 385475 Matrix: Solid

Associated Lab Samples: 9260290001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	6.0	12/31/09 01:43	
4-Bromofluorobenzene (S)	%	98	50-135	12/31/09 01:43	

LABORATORY CONTROL SAMPLE: 385476

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	25	32.6	131	70-150	
4-Bromofluorobenzene (S)	%			113	50-135	

MATRIX SPIKE SAMPLE: 385477

Parameter	Units	9260198002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	ND	31.5	33.2	91	70-148	
4-Bromofluorobenzene (S)	%				102	50-135	

SAMPLE DUPLICATE: 385478

Parameter	Units	9260290001 Result	Dup Result	RPD	Qualifiers
Gasoline Range Organics	mg/kg	ND	ND		
4-Bromofluorobenzene (S)	%	132	110	18	

QUALITY CONTROL DATA

Project: TT-2 TANK TANK

Pace Project No.: 9260290

QC Batch:	GCV/3745	Analysis Method:	EPA 8015 Modified
QC Batch Method:	EPA 5035A/5030B	Analysis Description:	Gasoline Range Organics
Associated Lab Samples:	9260290002, 9260290003, 9260290004, 9260290005, 9260290006, 9260290007, 9260290008, 9260290009, 9260290010, 9260290011, 9260290012		

METHOD BLANK:	386725	Matrix:	Solid
Associated Lab Samples:	9260290002, 9260290003, 9260290004, 9260290005, 9260290006, 9260290007, 9260290008, 9260290009, 9260290010, 9260290011, 9260290012		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	6.0	01/05/10 16:17	
4-Bromofluorobenzene (S)	%	103	50-135	01/05/10 16:17	

LABORATORY CONTROL SAMPLE: 386726

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	25	31.1	124	70-150	
4-Bromofluorobenzene (S)	%			101	50-135	

QUALITY CONTROL DATA

Project: TT-2 TANK TANK

Pace Project No.: 9260290

QC Batch: OEXT/8964

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 Solid MSSV Microwave

Associated Lab Samples: 9260290001

METHOD BLANK: 386440

Matrix: Solid

Associated Lab Samples: 9260290001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	330	01/12/10 14:49	
1,2-Dichlorobenzene	ug/kg	ND	330	01/12/10 14:49	
1,3-Dichlorobenzene	ug/kg	ND	330	01/12/10 14:49	
1,4-Dichlorobenzene	ug/kg	ND	330	01/12/10 14:49	
1-Methylnaphthalene	ug/kg	ND	330	01/12/10 14:49	
2,4,5-Trichlorophenol	ug/kg	ND	330	01/12/10 14:49	
2,4,6-Trichlorophenol	ug/kg	ND	330	01/12/10 14:49	
2,4-Dichlorophenol	ug/kg	ND	330	01/12/10 14:49	
2,4-Dimethylphenol	ug/kg	ND	330	01/12/10 14:49	
2,4-Dinitrophenol	ug/kg	ND	1650	01/12/10 14:49	
2,4-Dinitrotoluene	ug/kg	ND	330	01/12/10 14:49	
2,6-Dinitrotoluene	ug/kg	ND	330	01/12/10 14:49	
2-Chloronaphthalene	ug/kg	ND	330	01/12/10 14:49	
2-Chlorophenol	ug/kg	ND	330	01/12/10 14:49	
2-Methylnaphthalene	ug/kg	ND	330	01/12/10 14:49	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	01/12/10 14:49	F3
2-Nitroaniline	ug/kg	ND	1650	01/12/10 14:49	
2-Nitrophenol	ug/kg	ND	330	01/12/10 14:49	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	330	01/12/10 14:49	
3,3'-Dichlorobenzidine	ug/kg	ND	1650	01/12/10 14:49	
3-Nitroaniline	ug/kg	ND	1650	01/12/10 14:49	
4,6-Dinitro-2-methylphenol	ug/kg	ND	660	01/12/10 14:49	
4-Bromophenylphenyl ether	ug/kg	ND	330	01/12/10 14:49	
4-Chloro-3-methylphenol	ug/kg	ND	660	01/12/10 14:49	
4-Chloroaniline	ug/kg	ND	1650	01/12/10 14:49	
4-Chlorophenylphenyl ether	ug/kg	ND	330	01/12/10 14:49	
4-Nitroaniline	ug/kg	ND	660	01/12/10 14:49	
4-Nitrophenol	ug/kg	ND	1650	01/12/10 14:49	
Acenaphthene	ug/kg	ND	330	01/12/10 14:49	
Acenaphthylene	ug/kg	ND	330	01/12/10 14:49	
Aniline	ug/kg	ND	330	01/12/10 14:49	
Anthracene	ug/kg	ND	330	01/12/10 14:49	
Benzo(a)anthracene	ug/kg	ND	330	01/12/10 14:49	
Benzo(a)pyrene	ug/kg	ND	330	01/12/10 14:49	
Benzo(b)fluoranthene	ug/kg	ND	330	01/12/10 14:49	
Benzo(g,h,i)perylene	ug/kg	ND	330	01/12/10 14:49	
Benzo(k)fluoranthene	ug/kg	ND	330	01/12/10 14:49	
Benzoic Acid	ug/kg	ND	1650	01/12/10 14:49	
Benzyl alcohol	ug/kg	ND	660	01/12/10 14:49	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	01/12/10 14:49	
bis(2-Chloroethyl) ether	ug/kg	ND	330	01/12/10 14:49	
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	01/12/10 14:49	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	01/12/10 14:49	

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QUALITY CONTROL DATA

Project: TT-2 TANK TANK

Pace Project No.: 9260290

METHOD BLANK: 386440

Matrix: Solid

Associated Lab Samples: 9260290001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/kg	ND	330	01/12/10 14:49	
Chrysene	ug/kg	ND	330	01/12/10 14:49	
Di-n-butylphthalate	ug/kg	ND	330	01/12/10 14:49	
Di-n-octylphthalate	ug/kg	ND	330	01/12/10 14:49	
Dibenz(a,h)anthracene	ug/kg	ND	330	01/12/10 14:49	
Dibenzofuran	ug/kg	ND	330	01/12/10 14:49	
Diethylphthalate	ug/kg	ND	330	01/12/10 14:49	
Dimethylphthalate	ug/kg	ND	330	01/12/10 14:49	
Fluoranthene	ug/kg	ND	330	01/12/10 14:49	
Fluorene	ug/kg	ND	330	01/12/10 14:49	
Hexachloro-1,3-butadiene	ug/kg	ND	330	01/12/10 14:49	
Hexachlorobenzene	ug/kg	ND	330	01/12/10 14:49	
Hexachlorocyclopentadiene	ug/kg	ND	330	01/12/10 14:49	
Hexachloroethane	ug/kg	ND	330	01/12/10 14:49	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	01/12/10 14:49	
Isophorone	ug/kg	ND	330	01/12/10 14:49	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	01/12/10 14:49	
N-Nitrosodimethylamine	ug/kg	ND	330	01/12/10 14:49	
N-Nitrosodiphenylamine	ug/kg	ND	330	01/12/10 14:49	
Naphthalene	ug/kg	ND	330	01/12/10 14:49	
Nitrobenzene	ug/kg	ND	330	01/12/10 14:49	
Pentachlorophenol	ug/kg	ND	1650	01/12/10 14:49	
Phenanthrene	ug/kg	ND	330	01/12/10 14:49	
Phenol	ug/kg	ND	330	01/12/10 14:49	
Pyrene	ug/kg	ND	330	01/12/10 14:49	
2,4,6-Tribromophenol (S)	%	62	44-136	01/12/10 14:49	
2-Fluorobiphenyl (S)	%	53	46-120	01/12/10 14:49	
2-Fluorophenol (S)	%	49	24-120	01/12/10 14:49	
Nitrobenzene-d5 (S)	%	51	30-150	01/12/10 14:49	
Phenol-d6 (S)	%	53	35-120	01/12/10 14:49	
Terphenyl-d14 (S)	%	60	38-108	01/12/10 14:49	

LABORATORY CONTROL SAMPLE & LCSD: 386441

386442

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1020	899	61	54	50-150	12	30	
1,2-Dichlorobenzene	ug/kg	1670	990	906	59	54	50-150	9	30	
1,3-Dichlorobenzene	ug/kg	1670	938	893	56	54	50-150	5	30	
1,4-Dichlorobenzene	ug/kg	1670	942	880	57	53	50-150	7	30	
1-Methylnaphthalene	ug/kg	1670	1070	995	64	60	50-150	7	30	
2,4,5-Trichlorophenol	ug/kg	1670	1060	1110	63	67	50-150	5	30	
2,4,6-Trichlorophenol	ug/kg	1670	937	988	56	59	50-150	5	30	
2,4-Dichlorophenol	ug/kg	1670	1130	1070	68	64	50-150	5	30	
2,4-Dimethylphenol	ug/kg	1670	966	942	58	57	50-150	3	30	
2,4-Dinitrophenol	ug/kg	8330	4270	5080	51	61	20-111	17	30	

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QUALITY CONTROL DATA

Project: TT-2 TANK TANK

Pace Project No.: 9260290

LABORATORY CONTROL SAMPLE & LCSD:		386441	386442							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2,4-Dinitrotoluene	ug/kg	1670	1010	1020	61	61	50-150	1	30	
2,6-Dinitrotoluene	ug/kg	1670	1010	1080	61	65	50-150	7	30	
2-Chloronaphthalene	ug/kg	1670	981	982	59	59	50-150	0	30	
2-Chlorophenol	ug/kg	1670	977	918	59	55	50-150	6	30	
2-Methylnaphthalene	ug/kg	1670	1080	988	65	59	50-150	9	30	
2-Methylphenol(o-Cresol)	ug/kg	1670	955	939	57	56	50-150	2	30	F3
2-Nitroaniline	ug/kg	8330	4910	5110	59	61	50-150	4	30	
2-Nitrophenol	ug/kg	1670	1000	963	60	58	50-150	4	30	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1130	1060	68	63	50-150	6	30	
3,3'-Dichlorobenzidine	ug/kg	1670	773J	755J	46	45	50-150		30	L2
3-Nitroaniline	ug/kg	8330	3940	3920	47	47	50-150	0	30	L2
4,6-Dinitro-2-methylphenol	ug/kg	3330	2120	2150	64	65	15-136	2	30	
4-Bromophenylphenyl ether	ug/kg	1670	1090	1090	66	65	50-150	0	30	
4-Chloro-3-methylphenol	ug/kg	3330	2260	2170	68	65	50-150	4	30	
4-Chloroaniline	ug/kg	8330	4570	4150	55	50	50-150	10	30	
4-Chlorophenylphenyl ether	ug/kg	1670	1010	1020	61	61	50-150	1	30	
4-Nitroaniline	ug/kg	8330	4710	4700	56	56	50-150	0	30	
4-Nitrophenol	ug/kg	8330	6270	4690	75	56	33-105	29	30	
Acenaphthene	ug/kg	1670	1010	1020	61	61	50-150	1	30	
Acenaphthylene	ug/kg	1670	1010	1010	60	61	50-150	1	30	
Aniline	ug/kg	1670	973	913	58	55	50-150	6	30	
Anthracene	ug/kg	1670	1120	1110	67	67	50-150	1	30	
Benzo(a)anthracene	ug/kg	1670	1010	974	61	58	50-150	4	30	
Benzo(a)pyrene	ug/kg	1670	1030	1040	62	62	50-150	1	30	
Benzo(b)fluoranthene	ug/kg	1670	976	1060	59	64	50-150	8	30	
Benzo(g,h,i)perylene	ug/kg	1670	1030	1040	62	62	24-117	1	30	
Benzo(k)fluoranthene	ug/kg	1670	1090	1050	65	63	50-150	4	30	
Benzoic Acid	ug/kg	8330	3560	3870	43	46	15-104	8	30	
Benzyl alcohol	ug/kg	3330	2170	2060	65	62	50-150	5	30	
bis(2-Chloroethoxy)methane	ug/kg	1670	1010	972	61	58	50-150	4	30	
bis(2-Chloroethyl) ether	ug/kg	1670	1050	987	63	59	50-150	7	30	
bis(2-Chloroisopropyl) ether	ug/kg	1670	968	918	58	55	50-150	5	30	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	988	978	59	59	50-150	1	30	
Butylbenzylphthalate	ug/kg	1670	926	946	56	57	50-150	2	30	
Chrysene	ug/kg	1670	1020	1030	61	62	50-150	1	30	
Di-n-butylphthalate	ug/kg	1670	1040	1040	63	62	50-150	1	30	
Di-n-octylphthalate	ug/kg	1670	907	905	54	54	50-150	0	30	
Dibenz(a,h)anthracene	ug/kg	1670	1070	1070	64	64	17-128	0	30	
Dibenzofuran	ug/kg	1670	995	982	60	59	50-150	1	30	
Diethylphthalate	ug/kg	1670	978	1010	59	61	50-150	4	30	
Dimethylphthalate	ug/kg	1670	1010	1050	60	63	50-150	4	30	
Fluoranthene	ug/kg	1670	1070	1080	64	65	50-150	0	30	
Fluorene	ug/kg	1670	996	995	60	60	50-150	0	30	
Hexachloro-1,3-butadiene	ug/kg	1670	986	891	59	53	50-150	10	30	
Hexachlorobenzene	ug/kg	1670	1080	1060	65	64	50-150	2	30	
Hexachlorocyclopentadiene	ug/kg	1670	1020	1030	61	62	15-114	1	30	
Hexachloroethane	ug/kg	1670	953	892	57	54	50-150	7	30	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1050	1070	63	64	19-128	2	30	

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QUALITY CONTROL DATA

Project: TT-2 TANK TANK

Pace Project No.: 9260290

LABORATORY CONTROL SAMPLE & LCSD: 386441			386442							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Isophorone	ug/kg	1670	1030	1010	62	61	50-150	2	30	
N-Nitroso-di-n-propylamine	ug/kg	1670	1070	1040	64	62	50-150	3	30	
N-Nitrosodimethylamine	ug/kg	1670	909	860	55	52	50-150	6	30	
N-Nitrosodiphenylamine	ug/kg	1670	1050	1080	63	65	50-150	3	30	
Naphthalene	ug/kg	1670	1030	928	62	56	50-150	10	30	
Nitrobenzene	ug/kg	1670	1010	931	61	56	50-150	9	30	
Pentachlorophenol	ug/kg	8330	5710	5670	69	68	15-130	1	30	
Phenanthrene	ug/kg	1670	1070	1050	64	63	50-150	2	30	
Phenol	ug/kg	1670	978	893	59	54	42-120	9	30	
Pyrene	ug/kg	1670	916	948	55	57	50-150	3	30	
2,4,6-Tribromophenol (S)	%				64	67	44-136			
2-Fluorobiphenyl (S)	%				57	55	46-120			
2-Fluorophenol (S)	%				54	51	24-120			
Nitrobenzene-d5 (S)	%				59	56	30-150			
Phenol-d6 (S)	%				60	56	35-120			
Terphenyl-d14 (S)	%				57	57	38-108			

QUALITY CONTROL DATA

Project: TT-2 TANK TANK

Pace Project No.: 9260290

QC Batch:	OEXT/8974	Analysis Method:	EPA 8270
QC Batch Method:	EPA 3546	Analysis Description:	8270 Solid MSSV Microwave
Associated Lab Samples:	9260290002, 9260290003, 9260290004, 9260290005, 9260290006, 9260290007, 9260290008, 9260290009, 9260290010, 9260290011		

METHOD BLANK: 386636 Matrix: Solid

Associated Lab Samples: 9260290002, 9260290003, 9260290004, 9260290005, 9260290006, 9260290007, 9260290008, 9260290009, 9260290010, 9260290011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	330	01/12/10 13:18	
1,2-Dichlorobenzene	ug/kg	ND	330	01/12/10 13:18	
1,3-Dichlorobenzene	ug/kg	ND	330	01/12/10 13:18	
1,4-Dichlorobenzene	ug/kg	ND	330	01/12/10 13:18	
1-Methylnaphthalene	ug/kg	ND	330	01/12/10 13:18	
2,4,5-Trichlorophenol	ug/kg	ND	330	01/12/10 13:18	
2,4,6-Trichlorophenol	ug/kg	ND	330	01/12/10 13:18	
2,4-Dichlorophenol	ug/kg	ND	330	01/12/10 13:18	
2,4-Dimethylphenol	ug/kg	ND	330	01/12/10 13:18	
2,4-Dinitrophenol	ug/kg	ND	1650	01/12/10 13:18	
2,4-Dinitrotoluene	ug/kg	ND	330	01/12/10 13:18	
2,6-Dinitrotoluene	ug/kg	ND	330	01/12/10 13:18	
2-Chloronaphthalene	ug/kg	ND	330	01/12/10 13:18	
2-Chlorophenol	ug/kg	ND	330	01/12/10 13:18	
2-Methylnaphthalene	ug/kg	ND	330	01/12/10 13:18	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	01/12/10 13:18	
2-Nitroaniline	ug/kg	ND	1650	01/12/10 13:18	
2-Nitrophenol	ug/kg	ND	330	01/12/10 13:18	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	330	01/12/10 13:18	
3,3'-Dichlorobenzidine	ug/kg	ND	1650	01/12/10 13:18	
3-Nitroaniline	ug/kg	ND	1650	01/12/10 13:18	
4,6-Dinitro-2-methylphenol	ug/kg	ND	660	01/12/10 13:18	
4-Bromophenylphenyl ether	ug/kg	ND	330	01/12/10 13:18	
4-Chloro-3-methylphenol	ug/kg	ND	660	01/12/10 13:18	
4-Chloroaniline	ug/kg	ND	1650	01/12/10 13:18	
4-Chlorophenylphenyl ether	ug/kg	ND	330	01/12/10 13:18	
4-Nitroaniline	ug/kg	ND	660	01/12/10 13:18	
4-Nitrophenol	ug/kg	ND	1650	01/12/10 13:18	
Acenaphthene	ug/kg	ND	330	01/12/10 13:18	
Acenaphthylene	ug/kg	ND	330	01/12/10 13:18	
Aniline	ug/kg	ND	330	01/12/10 13:18	
Anthracene	ug/kg	ND	330	01/12/10 13:18	
Benzo(a)anthracene	ug/kg	ND	330	01/12/10 13:18	
Benzo(a)pyrene	ug/kg	ND	330	01/12/10 13:18	
Benzo(b)fluoranthene	ug/kg	ND	330	01/12/10 13:18	
Benzo(g,h,i)perylene	ug/kg	ND	330	01/12/10 13:18	
Benzo(k)fluoranthene	ug/kg	ND	330	01/12/10 13:18	
Benzoic Acid	ug/kg	ND	1650	01/12/10 13:18	
Benzyl alcohol	ug/kg	ND	660	01/12/10 13:18	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	01/12/10 13:18	
bis(2-Chloroethyl) ether	ug/kg	ND	330	01/12/10 13:18	

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QUALITY CONTROL DATA

Project: TT-2 TANK TANK

Pace Project No.: 9260290

METHOD BLANK: 386636

Matrix: Solid

Associated Lab Samples: 9260290002, 9260290003, 9260290004, 9260290005, 9260290006, 9260290007, 9260290008, 9260290009, 9260290010, 9260290011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	01/12/10 13:18	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	01/12/10 13:18	
Butylbenzylphthalate	ug/kg	ND	330	01/12/10 13:18	
Chrysene	ug/kg	ND	330	01/12/10 13:18	
Di-n-butylphthalate	ug/kg	ND	330	01/12/10 13:18	
Di-n-octylphthalate	ug/kg	ND	330	01/12/10 13:18	
Dibenz(a,h)anthracene	ug/kg	ND	330	01/12/10 13:18	
Dibenzofuran	ug/kg	ND	330	01/12/10 13:18	
Diethylphthalate	ug/kg	ND	330	01/12/10 13:18	
Dimethylphthalate	ug/kg	ND	330	01/12/10 13:18	
Fluoranthene	ug/kg	ND	330	01/12/10 13:18	
Fluorene	ug/kg	ND	330	01/12/10 13:18	
Hexachloro-1,3-butadiene	ug/kg	ND	330	01/12/10 13:18	
Hexachlorobenzene	ug/kg	ND	330	01/12/10 13:18	
Hexachlorocyclopentadiene	ug/kg	ND	330	01/12/10 13:18	
Hexachloroethane	ug/kg	ND	330	01/12/10 13:18	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	01/12/10 13:18	
Isophorone	ug/kg	ND	330	01/12/10 13:18	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	01/12/10 13:18	
N-Nitrosodimethylamine	ug/kg	ND	330	01/12/10 13:18	
N-Nitrosodiphenylamine	ug/kg	ND	330	01/12/10 13:18	
Naphthalene	ug/kg	ND	330	01/12/10 13:18	
Nitrobenzene	ug/kg	ND	330	01/12/10 13:18	
Pentachlorophenol	ug/kg	ND	1650	01/12/10 13:18	
Phenanthrene	ug/kg	ND	330	01/12/10 13:18	
Phenol	ug/kg	ND	330	01/12/10 13:18	
Pyrene	ug/kg	ND	330	01/12/10 13:18	
2,4,6-Tribromophenol (S)	%	63	44-136	01/12/10 13:18	
2-Fluorobiphenyl (S)	%	52	46-120	01/12/10 13:18	
2-Fluorophenol (S)	%	50	24-120	01/12/10 13:18	
Nitrobenzene-d5 (S)	%	54	30-150	01/12/10 13:18	
Phenol-d6 (S)	%	56	35-120	01/12/10 13:18	
Terphenyl-d14 (S)	%	59	38-108	01/12/10 13:18	

LABORATORY CONTROL SAMPLE & LCSD: 386637

386638

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1120	1250	67	75	50-150	11	30	
1,2-Dichlorobenzene	ug/kg	1670	1110	1250	67	75	50-150	12	30	
1,3-Dichlorobenzene	ug/kg	1670	1100	1240	66	74	50-150	12	30	
1,4-Dichlorobenzene	ug/kg	1670	1080	1200	65	72	50-150	10	30	
1-Methylnaphthalene	ug/kg	1670	1090	1230	65	74	50-150	13	30	
2,4,5-Trichlorophenol	ug/kg	1670	1230	1410	74	85	50-150	14	30	
2,4,6-Trichlorophenol	ug/kg	1670	1130	1270	68	76	50-150	12	30	

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QUALITY CONTROL DATA

Project: TT-2 TANK TANK

Pace Project No.: 9260290

LABORATORY CONTROL SAMPLE & LCSD:		386637	386638							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2,4-Dichlorophenol	ug/kg	1670	1220	1350	73	81	50-150	10	30	
2,4-Dimethylphenol	ug/kg	1670	1110	1210	66	73	50-150	9	30	
2,4-Dinitrophenol	ug/kg	8330	5980	6640	72	80	20-111	10	30	
2,4-Dinitrotoluene	ug/kg	1670	1140	1270	68	76	50-150	10	30	
2,6-Dinitrotoluene	ug/kg	1670	1240	1390	75	83	50-150	11	30	
2-Chloronaphthalene	ug/kg	1670	1060	1240	64	75	50-150	16	30	
2-Chlorophenol	ug/kg	1670	1080	1250	65	75	50-150	15	30	
2-Methylnaphthalene	ug/kg	1670	1100	1230	66	74	50-150	11	30	
2-Methylphenol(o-Cresol)	ug/kg	1670	1030	1210	62	72	50-150	15	30	F3
2-Nitroaniline	ug/kg	8330	5630	6470	68	78	50-150	14	30	
2-Nitrophenol	ug/kg	1670	1100	1230	66	74	50-150	11	30	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1200	1330	72	80	50-150	10	30	
3,3'-Dichlorobenzidine	ug/kg	1670	1010J	1030J	61	62	50-150		30	
3-Nitroaniline	ug/kg	8330	5040	5870	61	70	50-150	15	30	
4,6-Dinitro-2-methylphenol	ug/kg	3330	2590	2650	78	80	15-136	2	30	
4-Bromophenylphenyl ether	ug/kg	1670	1260	1330	76	80	50-150	6	30	
4-Chloro-3-methylphenol	ug/kg	3330	2480	2650	74	80	50-150	7	30	
4-Chloroaniline	ug/kg	8330	4920	5820	59	70	50-150	17	30	
4-Chlorophenylphenyl ether	ug/kg	1670	1180	1270	71	76	50-150	7	30	
4-Nitroaniline	ug/kg	8330	5620	6220	67	75	50-150	10	30	
4-Nitrophenol	ug/kg	8330	7390	8440	89	101	33-105	13	30	
Acenaphthene	ug/kg	1670	1190	1330	71	80	50-150	11	30	
Acenaphthylene	ug/kg	1670	1140	1290	69	77	50-150	12	30	
Aniline	ug/kg	1670	1030	1200	62	72	50-150	15	30	
Anthracene	ug/kg	1670	1210	1240	72	74	50-150	3	30	
Benzo(a)anthracene	ug/kg	1670	1100	1140	66	69	50-150	4	30	
Benzo(a)pyrene	ug/kg	1670	1210	1280	73	77	50-150	5	30	
Benzo(b)fluoranthene	ug/kg	1670	1200	1310	72	79	50-150	9	30	
Benzo(g,h,i)perylene	ug/kg	1670	1220	1290	73	77	24-117	5	30	
Benzo(k)fluoranthene	ug/kg	1670	1240	1290	74	78	50-150	5	30	
Benzoic Acid	ug/kg	8330	4160	3890	50	47	15-104	7	30	
Benzyl alcohol	ug/kg	3330	2360	2680	71	80	50-150	13	30	
bis(2-Chloroethoxy)methane	ug/kg	1670	1120	1200	67	72	50-150	7	30	
bis(2-Chloroethyl) ether	ug/kg	1670	1130	1330	68	80	50-150	16	30	
bis(2-Chloroisopropyl) ether	ug/kg	1670	1060	1250	64	75	50-150	17	30	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1150	1230	69	74	50-150	7	30	
Butylbenzylphthalate	ug/kg	1670	1100	1210	66	73	50-150	10	30	
Chrysene	ug/kg	1670	1190	1280	71	77	50-150	7	30	
Di-n-butylphthalate	ug/kg	1670	1210	1280	73	77	50-150	5	30	
Di-n-octylphthalate	ug/kg	1670	1080	1200	65	72	50-150	11	30	
Dibenz(a,h)anthracene	ug/kg	1670	1230	1310	74	79	17-128	6	30	
Dibenzofuran	ug/kg	1670	1130	1230	68	74	50-150	8	30	
Diethylphthalate	ug/kg	1670	1140	1350	69	81	50-150	17	30	
Dimethylphthalate	ug/kg	1670	1180	1330	71	80	50-150	12	30	
Fluoranthene	ug/kg	1670	1250	1320	75	79	50-150	5	30	
Fluorene	ug/kg	1670	1160	1250	70	75	50-150	8	30	
Hexachloro-1,3-butadiene	ug/kg	1670	1090	1210	65	72	50-150	10	30	
Hexachlorobenzene	ug/kg	1670	1230	1270	74	76	50-150	4	30	

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QUALITY CONTROL DATA

Project: TT-2 TANK TANK

Pace Project No.: 9260290

LABORATORY CONTROL SAMPLE & LCSD: 386637			386638							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Hexachlorocyclopentadiene	ug/kg	1670	1200	1360	72	81	15-114	12	30	
Hexachloroethane	ug/kg	1670	1090	1220	65	73	50-150	12	30	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1230	1330	74	80	19-128	8	30	
Isophorone	ug/kg	1670	1140	1260	69	76	50-150	10	30	
N-Nitroso-di-n-propylamine	ug/kg	1670	1160	1300	70	78	50-150	11	30	
N-Nitrosodimethylamine	ug/kg	1670	1060	1170	63	70	50-150	10	30	
N-Nitrosodiphenylamine	ug/kg	1670	1230	1260	74	76	50-150	2	30	
Naphthalene	ug/kg	1670	1110	1210	67	73	50-150	9	30	
Nitrobenzene	ug/kg	1670	1070	1220	64	73	50-150	13	30	
Pentachlorophenol	ug/kg	8330	6710	6870	80	82	15-130	2	30	
Phenanthrene	ug/kg	1670	1230	1250	74	75	50-150	2	30	
Phenol	ug/kg	1670	1020	1170	61	70	42-120	13	30	
Pyrene	ug/kg	1670	1110	1150	67	69	50-150	3	30	
2,4,6-Tribromophenol (S)	%				74	81	44-136			
2-Fluorobiphenyl (S)	%				65	70	46-120			
2-Fluorophenol (S)	%				59	68	24-120			
Nitrobenzene-d5 (S)	%				62	71	30-150			
Phenol-d6 (S)	%				63	71	35-120			
Terphenyl-d14 (S)	%				67	69	38-108			

QUALITY CONTROL DATA

Project: TT-2 TANK TANK

Pace Project No.: 9260290

QC Batch:	MSV/9519	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV 5035A Volatile Organics
Associated Lab Samples:	9260290001, 9260290002, 9260290003, 9260290004, 9260290005, 9260290006, 9260290007, 9260290008, 9260290009, 9260290010, 9260290011		

METHOD BLANK: 385806 Matrix: Solid

Associated Lab Samples: 9260290001, 9260290002, 9260290003, 9260290004, 9260290005, 9260290006, 9260290007, 9260290008, 9260290009, 9260290010, 9260290011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	12/31/09 08:43	
1,1,1-Trichloroethane	ug/kg	ND	5.0	12/31/09 08:43	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	12/31/09 08:43	
1,1,2-Trichloroethane	ug/kg	ND	5.0	12/31/09 08:43	
1,1-Dichloroethane	ug/kg	ND	5.0	12/31/09 08:43	
1,1-Dichloroethene	ug/kg	ND	5.0	12/31/09 08:43	
1,1-Dichloropropene	ug/kg	ND	5.0	12/31/09 08:43	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	12/31/09 08:43	
1,2,3-Trichloropropane	ug/kg	ND	5.0	12/31/09 08:43	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	12/31/09 08:43	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	12/31/09 08:43	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	12/31/09 08:43	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	12/31/09 08:43	
1,2-Dichlorobenzene	ug/kg	ND	5.0	12/31/09 08:43	
1,2-Dichloroethane	ug/kg	ND	5.0	12/31/09 08:43	
1,2-Dichloropropane	ug/kg	ND	5.0	12/31/09 08:43	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	12/31/09 08:43	
1,3-Dichlorobenzene	ug/kg	ND	5.0	12/31/09 08:43	
1,3-Dichloropropane	ug/kg	ND	5.0	12/31/09 08:43	
1,4-Dichlorobenzene	ug/kg	ND	5.0	12/31/09 08:43	
2,2-Dichloropropane	ug/kg	ND	5.0	12/31/09 08:43	
2-Butanone (MEK)	ug/kg	ND	100	12/31/09 08:43	
2-Chlorotoluene	ug/kg	ND	5.0	12/31/09 08:43	
2-Hexanone	ug/kg	ND	50.0	12/31/09 08:43	
4-Chlorotoluene	ug/kg	ND	5.0	12/31/09 08:43	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	12/31/09 08:43	
Acetone	ug/kg	ND	100	12/31/09 08:43	
Benzene	ug/kg	ND	5.0	12/31/09 08:43	
Bromobenzene	ug/kg	ND	5.0	12/31/09 08:43	
Bromochloromethane	ug/kg	ND	5.0	12/31/09 08:43	
Bromodichloromethane	ug/kg	ND	5.0	12/31/09 08:43	
Bromoform	ug/kg	ND	5.0	12/31/09 08:43	
Bromomethane	ug/kg	ND	10.0	12/31/09 08:43	
Carbon tetrachloride	ug/kg	ND	5.0	12/31/09 08:43	
Chlorobenzene	ug/kg	ND	5.0	12/31/09 08:43	
Chloroethane	ug/kg	ND	10.0	12/31/09 08:43	
Chloroform	ug/kg	ND	5.0	12/31/09 08:43	
Chloromethane	ug/kg	ND	10.0	12/31/09 08:43	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	12/31/09 08:43	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	12/31/09 08:43	
Dibromochloromethane	ug/kg	ND	5.0	12/31/09 08:43	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TT-2 TANK TANK

Pace Project No.: 9260290

METHOD BLANK: 385806

Matrix: Solid

Associated Lab Samples: 9260290001, 9260290002, 9260290003, 9260290004, 9260290005, 9260290006, 9260290007, 9260290008, 9260290009, 9260290010, 9260290011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	5.0	12/31/09 08:43	
Dichlorodifluoromethane	ug/kg	ND	10.0	12/31/09 08:43	
Diisopropyl ether	ug/kg	ND	5.0	12/31/09 08:43	
Ethylbenzene	ug/kg	ND	5.0	12/31/09 08:43	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	12/31/09 08:43	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	12/31/09 08:43	
m&p-Xylene	ug/kg	ND	10.0	12/31/09 08:43	
Methyl-tert-butyl ether	ug/kg	ND	5.0	12/31/09 08:43	
Methylene Chloride	ug/kg	ND	20.0	12/31/09 08:43	
n-Butylbenzene	ug/kg	ND	5.0	12/31/09 08:43	
n-Propylbenzene	ug/kg	ND	5.0	12/31/09 08:43	
Naphthalene	ug/kg	ND	5.0	12/31/09 08:43	
o-Xylene	ug/kg	ND	5.0	12/31/09 08:43	
p-Isopropyltoluene	ug/kg	ND	5.0	12/31/09 08:43	
sec-Butylbenzene	ug/kg	ND	5.0	12/31/09 08:43	
Styrene	ug/kg	ND	5.0	12/31/09 08:43	
tert-Butylbenzene	ug/kg	ND	5.0	12/31/09 08:43	
Tetrachloroethene	ug/kg	ND	5.0	12/31/09 08:43	
Toluene	ug/kg	ND	5.0	12/31/09 08:43	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	12/31/09 08:43	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	12/31/09 08:43	
Trichloroethene	ug/kg	ND	5.0	12/31/09 08:43	
Trichlorofluoromethane	ug/kg	ND	5.0	12/31/09 08:43	
Vinyl acetate	ug/kg	ND	50.0	12/31/09 08:43	
Vinyl chloride	ug/kg	ND	10.0	12/31/09 08:43	
Xylene (Total)	ug/kg	ND	10.0	12/31/09 08:43	
1,2-Dichloroethane-d4 (S)	%	101	69-121	12/31/09 08:43	
4-Bromofluorobenzene (S)	%	97	74-115	12/31/09 08:43	
Dibromofluoromethane (S)	%	95	79-116	12/31/09 08:43	
Toluene-d8 (S)	%	102	88-110	12/31/09 08:43	

LABORATORY CONTROL SAMPLE: 385807

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	61.5	123	75-137	
1,1,1-Trichloroethane	ug/kg	50	61.0	122	70-140	
1,1,2,2-Tetrachloroethane	ug/kg	50	59.3	119	74-133	
1,1,2-Trichloroethane	ug/kg	50	60.7	121	79-129	
1,1-Dichloroethane	ug/kg	50	57.1	114	72-139	
1,1-Dichloroethene	ug/kg	50	62.5	125	69-154	
1,1-Dichloropropene	ug/kg	50	58.2	116	74-138	
1,2,3-Trichlorobenzene	ug/kg	50	61.4	123	71-150	
1,2,3-Trichloropropane	ug/kg	50	58.3	117	74-135	
1,2,4-Trichlorobenzene	ug/kg	50	61.9	124	68-150	

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QUALITY CONTROL DATA

Project: TT-2 TANK TANK

Pace Project No.: 9260290

LABORATORY CONTROL SAMPLE: 385807

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	50	65.4	131	70-130	L3
1,2-Dibromo-3-chloropropane	ug/kg	50	63.2	126	65-146	
1,2-Dibromoethane (EDB)	ug/kg	50	60.4	121	77-136	
1,2-Dichlorobenzene	ug/kg	50	62.2	124	75-141	
1,2-Dichloroethane	ug/kg	50	57.4	115	74-134	
1,2-Dichloropropane	ug/kg	50	60.5	121	77-138	
1,3,5-Trimethylbenzene	ug/kg	50	63.2	126	65-128	
1,3-Dichlorobenzene	ug/kg	50	62.0	124	76-133	
1,3-Dichloropropane	ug/kg	50	59.8	120	79-132	
1,4-Dichlorobenzene	ug/kg	50	60.1	120	75-137	
2,2-Dichloropropane	ug/kg	50	62.7	125	73-137	
2-Butanone (MEK)	ug/kg	100	124	124	61-138	
2-Chlorotoluene	ug/kg	50	63.3	127	73-138	
2-Hexanone	ug/kg	100	116	116	58-159	
4-Chlorotoluene	ug/kg	50	64.7	129	75-136	
4-Methyl-2-pentanone (MIBK)	ug/kg	100	113	113	74-139	
Acetone	ug/kg	100	114	114	58-150	
Benzene	ug/kg	50	60.2	120	71-140	
Bromobenzene	ug/kg	50	62.7	125	72-144	
Bromochloromethane	ug/kg	50	63.4	127	78-133	
Bromodichloromethane	ug/kg	50	58.9	118	78-133	
Bromoform	ug/kg	50	64.4	129	74-132	
Bromomethane	ug/kg	50	58.4	117	63-184	
Carbon tetrachloride	ug/kg	50	71.2	142	73-143	
Chlorobenzene	ug/kg	50	63.7	127	77-137	
Chloroethane	ug/kg	50	58.3	117	68-146	
Chloroform	ug/kg	50	59.8	120	75-137	
Chloromethane	ug/kg	50	51.9	104	54-143	
cis-1,2-Dichloroethene	ug/kg	50	64.1	128	71-143	
cis-1,3-Dichloropropene	ug/kg	50	61.3	123	76-133	
Dibromochloromethane	ug/kg	50	55.4	111	77-131	
Dibromomethane	ug/kg	50	63.1	126	63-184	
Dichlorodifluoromethane	ug/kg	50	53.2	106	36-173	
Diisopropyl ether	ug/kg	50	57.3	115	68-144	
Ethylbenzene	ug/kg	50	62.5	125	69-141	
Hexachloro-1,3-butadiene	ug/kg	50	63.1	126	70-152	
Isopropylbenzene (Cumene)	ug/kg	50	63.4	127	77-143	
m&p-Xylene	ug/kg	100	132	132	72-138	
Methyl-tert-butyl ether	ug/kg	50	61.2	122	2-138	
Methylene Chloride	ug/kg	50	64.1	128	69-136	
n-Butylbenzene	ug/kg	50	62.3	125	65-128	
n-Propylbenzene	ug/kg	50	62.9	126	72-139	
Naphthalene	ug/kg	50	67.7	135	61-138	
o-Xylene	ug/kg	50	61.6	123	74-137	
p-Isopropyltoluene	ug/kg	50	63.2	126	66-128	
sec-Butylbenzene	ug/kg	50	62.2	124	72-140	
Styrene	ug/kg	50	65.9	132	76-137	
tert-Butylbenzene	ug/kg	50	63.6	127	68-141	

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QUALITY CONTROL DATA

Project: TT-2 TANK TANK

Pace Project No.: 9260290

LABORATORY CONTROL SAMPLE: 385807

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/kg	50	63.0	126	72-136	
Toluene	ug/kg	50	59.3	119	69-139	
trans-1,2-Dichloroethene	ug/kg	50	60.9	122	72-144	
trans-1,3-Dichloropropene	ug/kg	50	63.3	127	73-135	
Trichloroethene	ug/kg	50	60.8	122	75-136	
Trichlorofluoromethane	ug/kg	50	55.2	110	69-144	
Vinyl acetate	ug/kg	100	92.0	92	50-150	
Vinyl chloride	ug/kg	50	53.3	107	61-145	
Xylene (Total)	ug/kg	150	193	129	73-138	
1,2-Dichloroethane-d4 (S)	%			99	69-121	
4-Bromofluorobenzene (S)	%			98	74-115	
Dibromofluoromethane (S)	%			98	79-116	
Toluene-d8 (S)	%			101	88-110	

MATRIX SPIKE SAMPLE: 386164

Parameter	Units	9260290002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/kg	ND	47.2	44.3	94	33-158	
Benzene	ug/kg	ND	47.2	47.3	100	46-143	
Chlorobenzene	ug/kg	ND	47.2	50.2	106	29-159	
Toluene	ug/kg	ND	47.2	45.6	97	38-145	
Trichloroethene	ug/kg	ND	47.2	46.1	98	70-130	
1,2-Dichloroethane-d4 (S)	%				97	69-121	
4-Bromofluorobenzene (S)	%				100	74-115	
Dibromofluoromethane (S)	%				92	79-116	
Toluene-d8 (S)	%				98	88-110	

SAMPLE DUPLICATE: 386163

Parameter	Units	9260290001 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-2 TANK TANK

Pace Project No.: 9260290

SAMPLE DUPLICATE: 386163

Parameter	Units	9260290001 Result	Dup Result	RPD	Qualifiers
1,2-Dichloropropane	ug/kg	ND	ND		
1,3,5-Trimethylbenzene	ug/kg	ND	ND		
1,3-Dichlorobenzene	ug/kg	ND	ND		
1,3-Dichloropropane	ug/kg	ND	ND		
1,4-Dichlorobenzene	ug/kg	ND	ND		
2,2-Dichloropropane	ug/kg	ND	ND		
2-Butanone (MEK)	ug/kg	ND	ND		
2-Chlorotoluene	ug/kg	ND	ND		
2-Hexanone	ug/kg	ND	ND		
4-Chlorotoluene	ug/kg	ND	ND		
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		
Acetone	ug/kg	ND	10.5J		
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	4.9J		
n-Butylbenzene	ug/kg	ND	ND		
n-Propylbenzene	ug/kg	ND	ND		
Naphthalene	ug/kg	ND	ND		
o-Xylene	ug/kg	ND	ND		
p-Isopropyltoluene	ug/kg	ND	ND		
sec-Butylbenzene	ug/kg	ND	ND		
Styrene	ug/kg	ND	ND		
tert-Butylbenzene	ug/kg	ND	ND		
Tetrachloroethene	ug/kg	ND	ND		
Toluene	ug/kg	ND	ND		
trans-1,2-Dichloroethene	ug/kg	ND	ND		
trans-1,3-Dichloropropene	ug/kg	ND	ND		
Trichloroethene	ug/kg	ND	ND		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TT-2 TANK TANK

Pace Project No.: 9260290

SAMPLE DUPLICATE: 386163

Parameter	Units	9260290001 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)	%	104	97	8	
4-Bromofluorobenzene (S)	%	97	98	0	
Dibromofluoromethane (S)	%	96	91	6	
Toluene-d8 (S)	%	100	99	2	

QUALITY CONTROL DATA

Project: TT-2 TANK TANK

Pace Project No.: 9260290

QC Batch:	PMST/2956	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples: 9260290001, 9260290002, 9260290003, 9260290004, 9260290005			

SAMPLE DUPLICATE: 384400

Parameter	Units	9260123001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	21.0	21.9	4	

SAMPLE DUPLICATE: 384401

Parameter	Units	9260290005 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	16.3	14.6	11	

QUALITY CONTROL DATA

Project: TT-2 TANK TANK

Pace Project No.: 9260290

QC Batch: PMST/2957 Analysis Method: ASTM D2974-87
 QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
 Associated Lab Samples: 9260290006, 9260290007, 9260290008, 9260290009, 9260290010, 9260290011, 9260290012

SAMPLE DUPLICATE: 384414

Parameter	Units	9260024001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	14.0	17.1	20	

SAMPLE DUPLICATE: 384415

Parameter	Units	9260235006 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	17.5	18.2	4	

QUALIFIERS

Project: TT-2 TANK TANK

Pace Project No.: 9260290

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

F3	The recovery of the second source standard used to verify the initial calibration curve for this analyte is outside the laboratory's control limits. The result is estimated.
H5	Reanalysis conducted in excess of EPA method holding time. Results confirm original analysis performed in hold time.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
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).

Environmental Conservation Laboratories, Inc.

102-A Woodwinds Industrial Court

Cary NC, 27511

Phone: 919.467.3090 FAX: 919.467.3515



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Wednesday, January 6, 2010

Pace Analytical (PA007)

Attn: Ashley Nifong

9800 Kincey Ave. Suite 100

Huntersville, NC 28078

RE: Laboratory Results for
Project Number: 9259999, Project Name/Desc: TT-2 Tank Tank
ENCO Workorder: C915401

Dear Ashley Nifong,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, December 30, 2009.

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

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

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

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

Sincerely,

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

Stephanie Franz

Project Manager

Enclosure(s)

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID:	TT-2077A-4-9	Lab ID:	C915401-01	Sampled:	12/21/09 08:40	Received:	12/30/09 09:55
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Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
MAVPH	01/18/10	01/04/10 08:47	1/4/2010 12:26

Client ID:	TT-2939-1	Lab ID:	C915401-02	Sampled:	12/22/09 08:30	Received:	12/30/09 09:55
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Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
MAVPH	01/19/10	01/04/10 08:47	1/4/2010 12:55

Client ID:	TT-2939-2	Lab ID:	C915401-03	Sampled:	12/22/09 08:45	Received:	12/30/09 09:55
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Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
MAVPH	01/19/10	01/04/10 08:47	1/4/2010 13:24

Client ID:	TT-2939-3	Lab ID:	C915401-04	Sampled:	12/22/09 08:40	Received:	12/30/09 09:55
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Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
MAVPH	01/19/10	01/04/10 08:47	1/5/2010 10:16

Client ID:	TT-2939-4	Lab ID:	C915401-05	Sampled:	12/22/09 08:35	Received:	12/30/09 09:55
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Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
MAVPH	01/19/10	01/04/10 08:47	1/4/2010 14:26

Client ID:	TT-2939-B-7	Lab ID:	C915401-06	Sampled:	12/22/09 08:50	Received:	12/30/09 09:55
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Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
MAVPH	01/19/10	01/04/10 08:47	1/4/2010 14:56

Client ID:	TT-2947-1	Lab ID:	C915401-07	Sampled:	12/22/09 10:30	Received:	12/30/09 09:55
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Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
MAVPH	01/19/10	01/04/10 08:47	1/4/2010 15:25

Client ID:	TT-2947-2	Lab ID:	C915401-08	Sampled:	12/22/09 10:40	Received:	12/30/09 09:55
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Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
MAVPH	01/19/10	01/04/10 08:47	1/4/2010 16:34

Client ID:	TT-2947-3	Lab ID:	C915401-09	Sampled:	12/22/09 10:25	Received:	12/30/09 09:55
-------------------	------------------	----------------	-------------------	-----------------	-----------------------	------------------	-----------------------

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
MAVPH	01/19/10	01/04/10 08:47	1/4/2010 17:04



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Client ID: TT-2947-4		Lab ID: C915401-10		Sampled: 12/22/09 10:20		Received: 12/30/09 09:55	
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
MAVPH	01/19/10	01/04/10 08:47		1/5/2010 09:17			

Client ID: TT-2947-B-6.5		Lab ID: C915401-11		Sampled: 12/22/09 10:45		Received: 12/30/09 09:55	
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
MAVPH	01/19/10	01/04/10 08:47		1/5/2010 09:46			

SAMPLE DETECTION SUMMARY

Client ID: TT-2939-B-7			Lab ID: C915401-06				
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Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
C9-C10 Aromatics	0.357	J	0.292	1.67	mg/kg dry	MAVPH	

Client ID: TT-2947-4			Lab ID: C915401-10				
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Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
C9-C10 Aromatics	0.275	J	0.265	1.52	mg/kg dry	MAVPH	



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ANALYTICAL RESULTS

Description: TT-2077A-4-9
Matrix: Soil
Project: TT-2 Tank Tank

Lab Sample ID: C915401-01
Sampled: 12/21/09 08:40
Sampled By: Client

Received: 12/30/09 09:55
Work Order: C915401
% Solids: 81.6

Volatile Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>MRL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
C5-C8 Aliphatics [ECL-0022] ^	0.330	U	mg/kg dry	1	0.330	3.30	0A04004	MAVPH	01/04/10 12:26	bpk	
C9-C10 Aromatics [ECL-0024] ^	0.385	U	mg/kg dry	1	0.385	2.20	0A04004	MAVPH	01/04/10 12:26	bpk	
C9-C12 Aliphatics [ECL-0025] ^	0.715	U	mg/kg dry	1	0.715	3.30	0A04004	MAVPH	01/04/10 12:26	bpk	
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>	
2,5-Dibromotoluene (FID)	13.6	1	11.0	124 %	70-130	0A04004	MAVPH	01/04/10 12:26	bpk		
2,5-Dibromotoluene (PID)	12.8	1	11.0	117 %	70-130	0A04004	MAVPH	01/04/10 12:26	bpk		



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Description: TT-2939-1

Matrix: Soil

Project: TT-2 Tank Tank

Lab Sample ID: C915401-02

Sampled: 12/22/09 08:30

Sampled By: Client

Received: 12/30/09 09:55

Work Order: C915401

% Solids: 80.8

Volatile Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
C5-C8 Aliphatics [ECL-0022] ^	0.270	U	mg/kg dry	1	0.270	2.70	0A04004	MAVPH	01/04/10 12:55	bpk	
C9-C10 Aromatics [ECL-0024] ^	0.315	U	mg/kg dry	1	0.315	1.80	0A04004	MAVPH	01/04/10 12:55	bpk	
C9-C12 Aliphatics [ECL-0025] ^	0.585	U	mg/kg dry	1	0.585	2.70	0A04004	MAVPH	01/04/10 12:55	bpk	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,5-Dibromotoluene (FID)	8.43	1	8.99	94 %	70-130	0A04004	MAVPH	01/04/10 12:55	bpk	
2,5-Dibromotoluene (PID)	8.63	1	8.99	96 %	70-130	0A04004	MAVPH	01/04/10 12:55	bpk	

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



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Description: TT-2939-2

Matrix: Soil

Project: TT-2 Tank Tank

Lab Sample ID: C915401-03

Sampled: 12/22/09 08:45

Sampled By: Client

Received: 12/30/09 09:55

Work Order: C915401

% Solids: 80.8

Volatile Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
C5-C8 Aliphatics [ECL-0022] ^	0.324	U	mg/kg dry	1	0.324	3.24	0A04004	MAVPH	01/04/10 13:24	bpk	
C9-C10 Aromatics [ECL-0024] ^	0.378	U	mg/kg dry	1	0.378	2.16	0A04004	MAVPH	01/04/10 13:24	bpk	
C9-C12 Aliphatics [ECL-0025] ^	0.702	U	mg/kg dry	1	0.702	3.24	0A04004	MAVPH	01/04/10 13:24	bpk	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,5-Dibromotoluene (FID)	12.6	1	10.8	117 %	70-130	0A04004	MAVPH	01/04/10 13:24	bpk	
2,5-Dibromotoluene (PID)	12.4	1	10.8	115 %	70-130	0A04004	MAVPH	01/04/10 13:24	bpk	

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



www.encolabs.com

Description: TT-2939-3

Matrix: Soil

Project: TT-2 Tank Tank

Lab Sample ID: C915401-04

Sampled: 12/22/09 08:40

Sampled By: Client

Received: 12/30/09 09:55

Work Order: C915401

% Solids: 82.2

Volatile Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
C5-C8 Aliphatics [ECL-0022] ^	0.279	U	mg/kg dry	1	0.279	2.79	0A04004	MAVPH	01/05/10 10:16	bpk	
C9-C10 Aromatics [ECL-0024] ^	0.325	U	mg/kg dry	1	0.325	1.86	0A04004	MAVPH	01/05/10 10:16	bpk	
C9-C12 Aliphatics [ECL-0025] ^	0.604	U	mg/kg dry	1	0.604	2.79	0A04004	MAVPH	01/05/10 10:16	bpk	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,5-Dibromotoluene (FID)	10.7	1	9.29	116 %	70-130	0A04004	MAVPH	01/05/10 10:16	bpk	
2,5-Dibromotoluene (PID)	10.1	1	9.29	109 %	70-130	0A04004	MAVPH	01/05/10 10:16	bpk	

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



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Description: TT-2939-4

Matrix: Soil

Project: TT-2 Tank Tank

Lab Sample ID: C915401-05

Sampled: 12/22/09 08:35

Sampled By: Client

Received: 12/30/09 09:55

Work Order: C915401

% Solids: 83.7

Volatile Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
C5-C8 Aliphatics [ECL-0022] ^	0.238	U	mg/kg dry	1	0.238	2.38	0A04004	MAVPH	01/04/10 14:26	bpk	
C9-C10 Aromatics [ECL-0024] ^	0.278	U	mg/kg dry	1	0.278	1.59	0A04004	MAVPH	01/04/10 14:26	bpk	
C9-C12 Aliphatics [ECL-0025] ^	0.516	U	mg/kg dry	1	0.516	2.38	0A04004	MAVPH	01/04/10 14:26	bpk	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,5-Dibromotoluene (FID)	7.87	1	7.93	99 %	70-130	0A04004	MAVPH	01/04/10 14:26	bpk	
2,5-Dibromotoluene (PID)	7.46	1	7.93	94 %	70-130	0A04004	MAVPH	01/04/10 14:26	bpk	

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



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Description: TT-2939-B-7
Matrix: Soil
Project: TT-2 Tank Tank

Lab Sample ID: C915401-06
Sampled: 12/22/09 08:50
Sampled By: Client

Received: 12/30/09 09:55
Work Order: C915401
% Solids: 84.2

Volatile Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>MRL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
C5-C8 Aliphatics [ECL-0022] ^	0.250	U	mg/kg dry	1	0.250	2.50	0A04004	MAVPH	01/04/10 14:56	bpk	
C9-C10 Aromatics [ECL-0024] ^	0.357	J	mg/kg dry	1	0.292	1.67	0A04004	MAVPH	01/04/10 14:56	bpk	
C9-C12 Aliphatics [ECL-0025] ^	0.542	U	mg/kg dry	1	0.542	2.50	0A04004	MAVPH	01/04/10 14:56	bpk	

<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
2,5-Dibromotoluene (FID)	9.82	1	8.34	118 %	70-130	0A04004	MAVPH	01/04/10 14:56	bpk	
2,5-Dibromotoluene (PID)	8.57	1	8.34	103 %	70-130	0A04004	MAVPH	01/04/10 14:56	bpk	

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



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Description: TT-2947-1

Matrix: Soil

Project: TT-2 Tank Tank

Lab Sample ID: C915401-07

Sampled: 12/22/09 10:30

Sampled By: Client

Received: 12/30/09 09:55

Work Order: C915401

% Solids: 84.9

Volatile Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
C5-C8 Aliphatics [ECL-0022] ^	0.261	U	mg/kg dry	1	0.261	2.61	0A04004	MAVPH	01/04/10 15:25	bpk	
C9-C10 Aromatics [ECL-0024] ^	0.304	U	mg/kg dry	1	0.304	1.74	0A04004	MAVPH	01/04/10 15:25	bpk	
C9-C12 Aliphatics [ECL-0025] ^	0.565	U	mg/kg dry	1	0.565	2.61	0A04004	MAVPH	01/04/10 15:25	bpk	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,5-Dibromotoluene (FID)	9.33	1	8.70	107 %	70-130	0A04004	MAVPH	01/04/10 15:25	bpk	
2,5-Dibromotoluene (PID)	9.01	1	8.70	104 %	70-130	0A04004	MAVPH	01/04/10 15:25	bpk	

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



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Description: TT-2947-2

Matrix: Soil

Project: TT-2 Tank Tank

Lab Sample ID: C915401-08

Sampled: 12/22/09 10:40

Sampled By: Client

Received: 12/30/09 09:55

Work Order: C915401

% Solids: 84.9

Volatile Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
C5-C8 Aliphatics [ECL-0022] ^	0.264	U	mg/kg dry	1	0.264	2.64	0A04004	MAVPH	01/04/10 16:34	bpk	
C9-C10 Aromatics [ECL-0024] ^	0.308	U	mg/kg dry	1	0.308	1.76	0A04004	MAVPH	01/04/10 16:34	bpk	
C9-C12 Aliphatics [ECL-0025] ^	0.572	U	mg/kg dry	1	0.572	2.64	0A04004	MAVPH	01/04/10 16:34	bpk	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,5-Dibromotoluene (FID)	9.28	1	8.80	105 %	70-130	0A04004	MAVPH	01/04/10 16:34	bpk	
2,5-Dibromotoluene (PID)	8.92	1	8.80	101 %	70-130	0A04004	MAVPH	01/04/10 16:34	bpk	

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



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Description: TT-2947-3

Matrix: Soil

Project: TT-2 Tank Tank

Lab Sample ID: C915401-09

Sampled: 12/22/09 10:25

Sampled By: Client

Received: 12/30/09 09:55

Work Order: C915401

% Solids: 86.7

Volatile Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
C5-C8 Aliphatics [ECL-0022] ^	0.227	U	mg/kg dry	1	0.227	2.27	0A04004	MAVPH	01/04/10 17:04	bpk	
C9-C10 Aromatics [ECL-0024] ^	0.265	U	mg/kg dry	1	0.265	1.52	0A04004	MAVPH	01/04/10 17:04	bpk	
C9-C12 Aliphatics [ECL-0025] ^	0.493	U	mg/kg dry	1	0.493	2.27	0A04004	MAVPH	01/04/10 17:04	bpk	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,5-Dibromotoluene (FID)	7.95	1	7.58	105 %	70-130	0A04004	MAVPH	01/04/10 17:04	bpk	
2,5-Dibromotoluene (PID)	7.68	1	7.58	101 %	70-130	0A04004	MAVPH	01/04/10 17:04	bpk	

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



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Description: TT-2947-4

Matrix: Soil

Project: TT-2 Tank Tank

Lab Sample ID: C915401-10

Sampled: 12/22/09 10:20

Sampled By: Client

Received: 12/30/09 09:55

Work Order: C915401

% Solids: 85.2

Volatile Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
C5-C8 Aliphatics [ECL-0022] ^	0.227	U	mg/kg dry	1	0.227	2.27	0A04004	MAVPH	01/05/10 09:17	bpk	
C9-C10 Aromatics [ECL-0024] ^	0.275	J	mg/kg dry	1	0.265	1.52	0A04004	MAVPH	01/05/10 09:17	bpk	
C9-C12 Aliphatics [ECL-0025] ^	0.493	U	mg/kg dry	1	0.493	2.27	0A04004	MAVPH	01/05/10 09:17	bpk	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,5-Dibromotoluene (FID)	8.66	1	7.58	114 %	70-130	0A04004	MAVPH	01/05/10 09:17	bpk	
2,5-Dibromotoluene (PID)	7.93	1	7.58	105 %	70-130	0A04004	MAVPH	01/05/10 09:17	bpk	

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



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Description: TT-2947-B-6.5

Matrix: Soil

Project: TT-2 Tank Tank

Lab Sample ID: C915401-11

Sampled: 12/22/09 10:45

Sampled By: Client

Received: 12/30/09 09:55

Work Order: C915401

% Solids: 77.4

Volatile Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
C5-C8 Aliphatics [ECL-0022] ^	0.292	U	mg/kg dry	1	0.292	2.92	0A04004	MAVPH	01/05/10 09:46	bpk	
C9-C10 Aromatics [ECL-0024] ^	0.341	U	mg/kg dry	1	0.341	1.95	0A04004	MAVPH	01/05/10 09:46	bpk	
C9-C12 Aliphatics [ECL-0025] ^	0.633	U	mg/kg dry	1	0.633	2.92	0A04004	MAVPH	01/05/10 09:46	bpk	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,5-Dibromotoluene (FID)	10.8	1	9.74	111 %	70-130	0A04004	MAVPH	01/05/10 09:46	bpk	
2,5-Dibromotoluene (PID)	9.78	1	9.74	100 %	70-130	0A04004	MAVPH	01/05/10 09:46	bpk	

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

QUALITY CONTROL

Volatile Petroleum Hydrocarbons by GC - Quality Control

Batch 0A04004 - EPA 5035

Blank (0A04004-BLK1)

Prepared: 01/04/2010 08:47 Analyzed: 01/04/2010 10:06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
C5-C8 Aliphatics	0.300	U	3.00	mg/kg wet							
C9-C10 Aromatics	0.350	U	2.00	mg/kg wet							
C9-C12 Aliphatics	0.650	U	3.00	mg/kg wet							
Surrogate: 2,5-Dibromotoluene (FID)	11.0			mg/kg wet	10.0		110	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	11.5			mg/kg wet	10.0		115	70-130			

LCS (0A04004-BS1)

Prepared: 01/04/2010 08:47 Analyzed: 01/04/2010 10:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
C5-C8 Aliphatics	10.0		3.00	mg/kg wet	12.0		83	70-130			
C9-C10 Aromatics	4.40		2.00	mg/kg wet	4.00		110	70-130			
C9-C12 Aliphatics	12.8		3.00	mg/kg wet	12.0		107	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	8.21			mg/kg wet	10.0		82	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	10.6			mg/kg wet	10.0		106	70-130			

LCS Dup (0A04004-BSD1)

Prepared: 01/04/2010 08:47 Analyzed: 01/04/2010 11:33

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
C5-C8 Aliphatics	9.92		3.00	mg/kg wet	12.0		83	70-130	0.8	25	
C9-C10 Aromatics	4.47		2.00	mg/kg wet	4.00		112	70-130	2	25	
C9-C12 Aliphatics	10.2		3.00	mg/kg wet	12.0		85	70-130	23	25	
Surrogate: 2,5-Dibromotoluene (FID)	7.75			mg/kg wet	10.0		77	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	10.1			mg/kg wet	10.0		101	70-130			

FLAGS/NOTES AND DEFINITIONS

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

Chain of Custody

ENCO

C915401


 Pace Analytical
www.paceanalytical.com

Workorder: 9260290 Workorder Name: TT-2 TANK TANK Results Requested: 1/4/2010

 Report / Invoice To:
 Ashley Nifong
 Pace Analytical Charlotte
 9800 Kinsey Ave. Suite 100
 Huntersville, NC 28078
 Phone (704) 875-9092
 Email ashley.nifong@paceanalytical.com

Subcontract To

P.O.

Report / Invoice To			Subcontract To		Requested Analysis																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Ashley Nkong Peace Analytical Charlotte 9800 Kinney Ave. Suite 100 Huntersville, NC 28078 Phone (704) 875 8082 Email ashley.nkong@naacslabs.com					P.O.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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LAB USE ONLY

2.0°C

 Biana Dugan 12-30-09 09:55
 FYI-ALL C-00290-00 2-04-10-09

Tuesday, December 29, 2009 1:51:57 PM



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Sample Condition Upon Receipt

Face Analytical

Client Name: Mec Corp.

Project # 9260290

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

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

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

Thermometer Used T060

Type of Ice: Wet Blue None

☒ Samples on ice, cooling process has begun

Cooler Temperature 6.0

Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 12/24/09 [Signature]

Comments:

Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished:	<u>12/24/09</u> ☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	5.
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	6.
Rush Turn Around Time Requested:	☒ Yes ☐ No ☐ N/A	7.
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	8.
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	9.
-Pace Containers Used:	☒ Yes ☐ No ☐ N/A	
Containers Intact:	☒ Yes ☐ No ☐ N/A	10.
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	11.
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>8C</u>	
All containers needing preservation have been checked.	☒ Yes ☐ No ☐ N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☒ Yes ☐ No ☐ N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐ Yes ☐ No	Initial when completed
Samples checked for dechlorination:	☐ Yes ☐ No ☒ N/A	14.
Headspace in VOA Vials (>6mm):	☐ Yes ☐ No ☒ N/A	15.
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	16.
Trip Blank Custody Seals Present	☐ Yes ☐ No ☒ N/A	
Pace Trip Blank Lot # (if purchased):	N/A	

Client Notification/ Resolution:

Field Data Required? Y / N / N/A

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: aw

Date: 12/28/09

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



Shane Chasteen
Richard Catlin & Associates
P.O. Box 10279
Wilmington, NC 28404-0279

Report Number: G128-2493

Client Project: TT-Sites

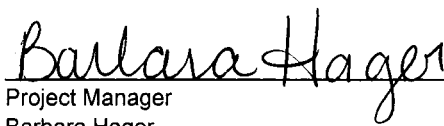
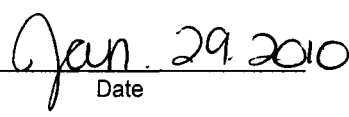
Dear Shane Chasteen,

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

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

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

Sincerely,
SGS North America, Inc.

 
Project Manager Date
Barbara Hager

SGS North America, Inc.

List of Reporting Abbreviations
And Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantification Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

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

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL/CL = Reporting Limit / Control Limit

RPD = Relative Percent Difference

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

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

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

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

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

% Rec = Percent Recovery

% solids = Percent Solids

Special Notes:

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

Results for Volatiles

by GC 602

Client Sample ID: TT2077A-TW01

Analyzed By: DVO

Client Project ID: TT-Sites

Date Collected: 1/21/2010 10:00

Lab Sample ID: G128-2493-1A

Date Received: 1/21/2010

Lab Project ID: G128-2493

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/25/2010	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/25/2010	
Ethylbenzene	3.07	1.00	0.19	1	1/25/2010	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/25/2010	
Toluene	BQL	1.00	0.313	1	1/25/2010	
m/p-Xylene	8.19	2.00	0.481	1	1/25/2010	
o-Xylene	0.771	2.00	0.405	1	1/25/2010	J

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	38.9	97.2

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

Reviewed By: 

GC-VOA_WA

Results for Volatiles

by GC 602

Client Sample ID: TT2939-TW01

Analyzed By: DVO

Client Project ID: TT-Sites

Date Collected: 1/21/2010 11:00

Lab Sample ID: G128-2493-2A

Date Received: 1/21/2010

Lab Project ID: G128-2493

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/25/2010	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/25/2010	
Ethylbenzene	BQL	1.00	0.19	1	1/25/2010	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/25/2010	
Toluene	BQL	1.00	0.313	1	1/25/2010	
m/p-Xylene	BQL	2.00	0.481	1	1/25/2010	
o-Xylene	BQL	2.00	0.405	1	1/25/2010	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	38.7	96.7

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

Reviewed By: 

GC-VOA_WA

Results for Volatiles

by GC 602

Client Sample ID: TT3019-TW01

Analyzed By: DVO

Client Project ID: TT-Sites

Date Collected: 1/21/2010 12:00

Lab Sample ID: G128-2493-3A

Date Received: 1/21/2010

Lab Project ID: G128-2493

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/25/2010	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/25/2010	
Ethylbenzene	1.35	1.00	0.19	1	1/25/2010	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/25/2010	
Toluene	0.801	1.00	0.313	1	1/25/2010	J
m/p-Xylene	4.69	2.00	0.481	1	1/25/2010	
o-Xylene	4.83	2.00	0.405	1	1/25/2010	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	38.7	96.7

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

Reviewed By: 

GC-VOA_WA

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: TT2077A-TW01
 Client Project ID: TT-Sites
 Lab Sample ID: G128-2493-1K
 Lab Project ID: G128-2493

Analyzed By: DCS
 Date Collected: 1/21/2010 10:00
 Date Received: 1/21/2010
 Date Extracted: 1/25/2010
 Matrix: Water

Initial/Final Amt: 935 mL / 5 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	2.25	5.35	0.797	1	1/27/2010	J
Acenaphthylene	BQL	5.35	0.797	1	1/27/2010	
Anthracene	BQL	5.35	0.936	1	1/27/2010	
Benzo[a]anthracene	BQL	5.35	0.727	1	1/27/2010	
Benzo[a]pyrene	BQL	5.35	0.679	1	1/27/2010	
Benzo[b]fluoranthene	BQL	5.35	0.765	1	1/27/2010	
Benzo[g,h,i]perylene	BQL	5.35	0.658	1	1/27/2010	
Benzo[k]fluoranthene	BQL	5.35	0.588	1	1/27/2010	
Bis(2-chloroethoxy)methane	BQL	5.35	1.10	1	1/27/2010	
Bis(2-chloroethyl)ether	BQL	5.35	1.11	1	1/27/2010	
Bis(2-chloroisopropyl)ether	BQL	5.35	1.04	1	1/27/2010	
Bis(2-ethylhexyl)phthalate	BQL	5.35	0.439	1	1/27/2010	
4-bromophenyl phenyl ether	BQL	5.35	0.834	1	1/27/2010	
Butylbenzylphthalate	BQL	5.35	0.476	1	1/27/2010	
2-Chloronaphthalene	BQL	5.35	0.925	1	1/27/2010	
2-Chlorophenol	BQL	5.35	1.25	1	1/27/2010	
4-Chloro-3-methylphenol	BQL	5.35	0.850	1	1/27/2010	
4-Chlorophenyl phenyl ether	BQL	5.35	3.48	1	1/27/2010	
Chrysene	BQL	5.35	0.594	1	1/27/2010	
Dibenzo[a,h]anthracene	BQL	5.35	0.471	1	1/27/2010	
Di-n-Butylphthalate	BQL	5.35	0.882	1	1/27/2010	
3,3'-Dichlorobenzidine	BQL	10.7	1.30	1	1/27/2010	
2,4-Dichlorophenol	BQL	5.35	1.20	1	1/27/2010	
Diethylphthalate	BQL	5.35	0.791	1	1/27/2010	
Dimethylphthalate	BQL	5.35	0.594	1	1/27/2010	
2,4-Dimethylphenol	BQL	5.35	1.73	1	1/27/2010	
Di-n-octylphthalate	BQL	5.35	0.620	1	1/27/2010	
4,6-Dinitro-2-methylphenol	BQL	26.7	0.588	1	1/27/2010	
2,4-Dinitrophenol	BQL	26.7	0.684	1	1/27/2010	
2,4-Dinitrotoluene	BQL	5.35	0.572	1	1/27/2010	
2,6-Dinitrotoluene	BQL	5.35	0.695	1	1/27/2010	
Diphenylamine *	BQL	5.35	0.610	1	1/27/2010	
Fluoranthene	BQL	5.35	0.754	1	1/27/2010	
Fluorene	3.96	5.35	0.775	1	1/27/2010	J
Hexachlorobenzene	BQL	5.35	0.540	1	1/27/2010	
Hexachlorobutadiene	BQL	5.35	0.813	1	1/27/2010	
Hexachlorocyclopentadiene	BQL	10.7	10.7	1	1/27/2010	
Hexachloroethane	BQL	5.35	0.797	1	1/27/2010	
Indeno(1,2,3-c,d)pyrene	BQL	5.35	2.44	1	1/27/2010	
Isophorone	BQL	5.35	0.947	1	1/27/2010	
Naphthalene	11.0	5.35	0.973	1	1/27/2010	
Nitrobenzene	BQL	5.35	1.12	1	1/27/2010	
2-Nitrophenol	BQL	5.35	1.32	1	1/27/2010	
4-Nitrophenol	BQL	26.7	1.16	1	1/27/2010	
N-Nitrosodi-n-propylamine	BQL	5.35	1.60	1	1/27/2010	
Pentachlorophenol	BQL	26.7	1.51	1	1/27/2010	
Phenanthrene	3.26	5.35	0.476	1	1/27/2010	J

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: TT2077A-TW01
Client Project ID: TT-Sites
Lab Sample ID: G128-2493-1K
Lab Project ID: G128-2493

Analyzed By: DCS
Date Collected: 1/21/2010 10:00
Date Received: 1/21/2010
Date Extracted: 1/25/2010
Matrix: Water

Initial/Final Amt: 935 mL / 5 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.35	1.13	1	1/27/2010	
Pyrene	BQL	5.35	2.21	1	1/27/2010	
1,2,4-Trichlorobenzene	BQL	5.35	0.770	1	1/27/2010	
2,4,6-Trichlorophenol	BQL	5.35	0.989	1	1/27/2010	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	8.2	82		
2-Fluorophenol		10	6.8	68		
Nitrobenzene-d5		10	8.2	82		
Phenol-d6		10	7.4	74		
2,4,6-Tribromophenol		10	10.1	101		
4-Terphenyl-d14		10	10.1	101		

Comments:**Flags:**

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

Reviewed By: 

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: TT2077A-TW01
Client Project ID: TT-Sites
Lab Sample ID: G128-2493-1K
Lab Project ID: G128-2493
Sample Wt/Vol: 935 ML
Dilution: 1

Analyzed By: DCS
Date Collected: 1/21/2010 10:00
Date Received: 1/21/2010
Date Extracted: 1/25/2010
Date Analyzed: 1/27/2010
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Naphthalene, 2,7-dimethyl-	6.59	582-16-1	97	39.3
2	Naphthalene, 2,3-dimethyl-	6.62	581-40-8	98	29
3	Benzene, 1,2,4,5-tetramethyl-	4.90	95-93-2	91	22.2
4	Benzene, 1-methyl-4-(1-methylethyl)-	4.33	99-87-6	94	20.1
5	Benzene, 4-ethyl-1,2-dimethyl-	4.37	934-80-5	94	17.8
6	Benzene, 1,2,3,5-tetramethyl-	4.39	527-53-7	91	13.6
7	Alkane, Unknown	4.38			11.3
8	Naphthalene, 1,2-dimethyl-	6.74	573-98-8	98	9.84
9	Benzene, 1-methyl-4-propyl-	4.30	1074-55-1	91	9.5
10	Naphthalene, 1-methyl-	5.99	90-12-0	91	3.59

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: EH

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: TT2939-TW01
 Client Project ID: TT-Sites
 Lab Sample ID: G128-2493-2K
 Lab Project ID: G128-2493

Analyzed By: DCS
 Date Collected: 1/21/2010 11:00
 Date Received: 1/21/2010
 Date Extracted: 1/25/2010
 Matrix: Water

Initial/Final Amt: 906 mL / 5 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.52	0.822	1	1/27/2010	
Acenaphthylene	BQL	5.52	0.822	1	1/27/2010	
Anthracene	BQL	5.52	0.966	1	1/27/2010	
Benzo[a]anthracene	BQL	5.52	0.751	1	1/27/2010	
Benzo[a]pyrene	BQL	5.52	0.701	1	1/27/2010	
Benzo[b]fluoranthene	BQL	5.52	0.789	1	1/27/2010	
Benzo[g,h,i]perylene	BQL	5.52	0.679	1	1/27/2010	
Benzo[k]fluoranthene	BQL	5.52	0.607	1	1/27/2010	
Bis(2-chloroethoxy)methane	BQL	5.52	1.14	1	1/27/2010	
Bis(2-chloroethyl)ether	BQL	5.52	1.15	1	1/27/2010	
Bis(2-chloroisopropyl)ether	BQL	5.52	1.08	1	1/27/2010	
Bis(2-ethylhexyl)phthalate	BQL	5.52	0.453	1	1/27/2010	
4-bromophenyl phenyl ether	BQL	5.52	0.861	1	1/27/2010	
Butylbenzylphthalate	BQL	5.52	0.491	1	1/27/2010	
2-Chloronaphthalene	BQL	5.52	0.955	1	1/27/2010	
2-Chlorophenol	BQL	5.52	1.29	1	1/27/2010	
4-Chloro-3-methylphenol	BQL	5.52	0.877	1	1/27/2010	
4-Chlorophenyl phenyl ether	BQL	5.52	3.59	1	1/27/2010	
Chrysene	BQL	5.52	0.613	1	1/27/2010	
Dibenzo[a,h]anthracene	BQL	5.52	0.486	1	1/27/2010	
Di-n-Butylphthalate	BQL	5.52	0.911	1	1/27/2010	
3,3'-Dichlorobenzidine	BQL	11.0	1.35	1	1/27/2010	
2,4-Dichlorophenol	BQL	5.52	1.24	1	1/27/2010	
Diethylphthalate	BQL	5.52	0.817	1	1/27/2010	
Dimethylphthalate	BQL	5.52	0.613	1	1/27/2010	
2,4-Dimethylphenol	BQL	5.52	1.79	1	1/27/2010	
Di-n-octylphthalate	BQL	5.52	0.640	1	1/27/2010	
4,6-Dinitro-2-methylphenol	BQL	27.6	0.607	1	1/27/2010	
2,4-Dinitrophenol	BQL	27.6	0.706	1	1/27/2010	
2,4-Dinitrotoluene	BQL	5.52	0.591	1	1/27/2010	
2,6-Dinitrotoluene	BQL	5.52	0.717	1	1/27/2010	
Diphenylamine *	BQL	5.52	0.629	1	1/27/2010	
Fluoranthene	BQL	5.52	0.778	1	1/27/2010	
Fluorene	BQL	5.52	0.800	1	1/27/2010	
Hexachlorobenzene	BQL	5.52	0.557	1	1/27/2010	
Hexachlorobutadiene	BQL	5.52	0.839	1	1/27/2010	
Hexachlorocyclopentadiene	BQL	11.0	11.0	1	1/27/2010	
Hexachloroethane	BQL	5.52	0.822	1	1/27/2010	
Indeno(1,2,3-c,d)pyrene	BQL	5.52	2.52	1	1/27/2010	
Isophorone	BQL	5.52	0.977	1	1/27/2010	
Naphthalene	BQL	5.52	1.00	1	1/27/2010	
Nitrobenzene	BQL	5.52	1.16	1	1/27/2010	
2-Nitrophenol	BQL	5.52	1.36	1	1/27/2010	
4-Nitrophenol	BQL	27.6	1.19	1	1/27/2010	
N-Nitrosodi-n-propylamine	BQL	5.52	1.66	1	1/27/2010	
Pentachlorophenol	BQL	27.6	1.56	1	1/27/2010	
Phenanthrene	BQL	5.52	0.491	1	1/27/2010	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: TT2939-TW01
 Client Project ID: TT-Sites
 Lab Sample ID: G128-2493-2K
 Lab Project ID: G128-2493

Analyzed By: DCS
 Date Collected: 1/21/2010 11:00
 Date Received: 1/21/2010
 Date Extracted: 1/25/2010
 Matrix: Water

Initial/Final Amt: 906 mL / 5 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.52	1.17	1	1/27/2010	
Pyrene	BQL	5.52	2.28	1	1/27/2010	
1,2,4-Trichlorobenzene	BQL	5.52	0.795	1	1/27/2010	
2,4,6-Trichlorophenol	BQL	5.52	1.02	1	1/27/2010	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	8.4	84		
2-Fluorophenol		10	7.4	74		
Nitrobenzene-d5		10	8.4	84		
Phenol-d6		10	7.7	77		
2,4,6-Tribromophenol		10	10	100		
4-Terphenyl-d14		10	10.1	101		

Comments:

Flags:

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

Reviewed By: MA

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: TT2939-TW01
Client Project ID: TT-Sites
Lab Sample ID: G128-2493-2K
Lab Project ID: G128-2493
Sample Wt/Vol: 906 ML
Dilution: 1

Analyzed By: DCS
Date Collected: 1/21/2010 11:00
Date Received: 1/21/2010
Date Extracted: 1/25/2010
Date Analyzed: 1/27/2010
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Unknown	4.38			6.24
2	Alkane, Unknown	4.38			4.13

Comment:

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

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

Reviewed by: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: TT3019-TW01
 Client Project ID: TT-Sites
 Lab Sample ID: G128-2493-3K
 Lab Project ID: G128-2493

Analyzed By: DCS
 Date Collected: 1/21/2010 12:00
 Date Received: 1/21/2010
 Date Extracted: 1/25/2010
 Matrix: Water

Initial/Final Amt: 882 mL / 5 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.67	0.845	1	1/27/2010	
Acenaphthylene	BQL	5.67	0.845	1	1/27/2010	
Anthracene	BQL	5.67	0.992	1	1/27/2010	
Benzo[a]anthracene	BQL	5.67	0.771	1	1/27/2010	
Benzo[a]pyrene	BQL	5.67	0.720	1	1/27/2010	
Benzo[b]fluoranthene	BQL	5.67	0.811	1	1/27/2010	
Benzo[g,h,i]perylene	BQL	5.67	0.697	1	1/27/2010	
Benzo[k]fluoranthene	BQL	5.67	0.624	1	1/27/2010	
Bis(2-chloroethoxy)methane	BQL	5.67	1.17	1	1/27/2010	
Bis(2-chloroethyl)ether	BQL	5.67	1.18	1	1/27/2010	
Bis(2-chloroisopropyl)ether	BQL	5.67	1.11	1	1/27/2010	
Bis(2-ethylhexyl)phthalate	BQL	5.67	0.465	1	1/27/2010	
4-bromophenyl phenyl ether	BQL	5.67	0.884	1	1/27/2010	
Butylbenzylphthalate	BQL	5.67	0.505	1	1/27/2010	
2-Chloronaphthalene	BQL	5.67	0.981	1	1/27/2010	
2-Chlorophenol	BQL	5.67	1.33	1	1/27/2010	
4-Chloro-3-methylphenol	BQL	5.67	0.901	1	1/27/2010	
4-Chlorophenyl phenyl ether	BQL	5.67	3.69	1	1/27/2010	
Chrysene	BQL	5.67	0.629	1	1/27/2010	
Dibenzo[a,h]anthracene	BQL	5.67	0.499	1	1/27/2010	
Di-n-Butylphthalate	BQL	5.67	0.935	1	1/27/2010	
3,3'-Dichlorobenzidine	BQL	11.3	1.38	1	1/27/2010	
2,4-Dichlorophenol	BQL	5.67	1.27	1	1/27/2010	
Diethylphthalate	BQL	5.67	0.839	1	1/27/2010	
Dimethylphthalate	BQL	5.67	0.629	1	1/27/2010	
2,4-Dimethylphenol	BQL	5.67	1.84	1	1/27/2010	
Di-n-octylphthalate	BQL	5.67	0.658	1	1/27/2010	
4,6-Dinitro-2-methylphenol	BQL	28.3	0.624	1	1/27/2010	
2,4-Dinitrophenol	BQL	28.3	0.726	1	1/27/2010	
2,4-Dinitrotoluene	BQL	5.67	0.607	1	1/27/2010	
2,6-Dinitrotoluene	BQL	5.67	0.737	1	1/27/2010	
Diphenylamine *	BQL	5.67	0.646	1	1/27/2010	
Fluoranthene	BQL	5.67	0.799	1	1/27/2010	
Fluorene	BQL	5.67	0.822	1	1/27/2010	
Hexachlorobenzene	BQL	5.67	0.573	1	1/27/2010	
Hexachlorobutadiene	BQL	5.67	0.862	1	1/27/2010	
Hexachlorocyclopentadiene	BQL	11.3	11.3	1	1/27/2010	
Hexachloroethane	BQL	5.67	0.845	1	1/27/2010	
Indeno(1,2,3-c,d)pyrene	BQL	5.67	2.59	1	1/27/2010	
Isophorone	BQL	5.67	1.00	1	1/27/2010	
Naphthalene	2.27	5.67	1.03	1	1/27/2010	J
Nitrobenzene	BQL	5.67	1.19	1	1/27/2010	
2-Nitrophenol	BQL	5.67	1.39	1	1/27/2010	
4-Nitrophenol	BQL	28.3	1.22	1	1/27/2010	
N-Nitrosodi-n-propylamine	BQL	5.67	1.70	1	1/27/2010	
Pentachlorophenol	BQL	28.3	1.60	1	1/27/2010	
Phenanthrene	BQL	5.67	0.505	1	1/27/2010	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: TT3019-TW01
 Client Project ID: TT-Sites
 Lab Sample ID: G128-2493-3K
 Lab Project ID: G128-2493

Analyzed By: DCS
 Date Collected: 1/21/2010 12:00
 Date Received: 1/21/2010
 Date Extracted: 1/25/2010
 Matrix: Water

Initial/Final Amt: 882 mL / 5 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.67	1.20	1	1/27/2010	
Pyrene	BQL	5.67	2.34	1	1/27/2010	
1,2,4-Trichlorobenzene	BQL	5.67	0.816	1	1/27/2010	
2,4,6-Trichlorophenol	BQL	5.67	1.05	1	1/27/2010	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	8.7	87		
2-Fluorophenol		10	7.9	79		
Nitrobenzene-d5		10	8.7	87		
Phenol-d6		10	8.1	81		
2,4,6-Tribromophenol		10	10.6	106		
4-Terphenyl-d14		10	10.4	104		

Comments:

Flags:

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

Reviewed By: 

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: TT3019-TW01
Client Project ID: TT-Sites
Lab Sample ID: G128-2493-3K
Lab Project ID: G128-2493
Sample Wt/Vol: 882 ML
Dilution: 1

Analyzed By: DCS
Date Collected: 1/21/2010 12:00
Date Received: 1/21/2010
Date Extracted: 1/25/2010
Date Analyzed: 1/27/2010
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Alkane, Unknown	4.38			21.5
2	Benzene, 1,2,4-trimethyl-	4.01	95-63-6	95	7.85
	Aromatic, Unknown	4.90			
4	Naphthalene, 1-methyl-	5.88	90-12-0	94	4.86
5	Naphthalene, 1,2,3,4-tetrahydro-1-methyl-	5.41	1559-81-5	96	4.67
6	Aromatic, Unknown	4.30			4.37
7	Naphthalene, 1,6-dimethyl-	6.62	575-43-9	97	4.19
8	2-Chlorocyclohexanol	4.09	1561-86-0	91	2.28

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

Sample Information	
Sample Identification	TT2077A-TW01
Sample Matrix	Water
Date Collected	01/21/10 10:00
Date Received	01/21/10
Date Extracted	01/22/10
Date Analyzed	01/25/10 18:45 - 01/25/10 19:14
Dry Weight	NA
Dilution Factor	1 - 1
Initial Volume (mL)	873
Final Volume (mL)	5

Analytical Results			
Analytes**	Result µg/L	Report Limit µg/L	Flags
C9-C18 Aliphatics	142	100	
C19-C36 Aliphatics	BQL	100	
C11-C22 Aromatics	512	100	

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	96.3		40	140
Aromatic (ortho-terphenyl)	94.6		40	140
Fractionation 1 (2-bromonaphthalene)	87.7		40	140
Fractionation 2 (2-fluorobiphenyl)	91.4		40	140

Lab Info: G128-2493-1J	Lab Info: G128-2493-1J
Aliphatic: EP012510/015F0901.D	Aromatic: EP012510/016F1001.D

Reviewed By: 

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

Sample Information	
Sample Identification	TT2939-TW01
Sample Matrix	Water
Date Collected	01/21/10 11:00
Date Received	01/21/10
Date Extracted	01/22/10
Date Analyzed	01/25/10 19:42 - 01/25/10 20:11
Dry Weight	NA
Dilution Factor	1 - 1
Initial Volume (mL)	900
Final Volume (mL)	5

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

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	58.6		40	140
Aromatic (ortho-terphenyl)	89.1		40	140
Fractionation 1 (2-bromonaphthalene)	91.3		40	140
Fractionation 2 (2-fluorobiphenyl)	96.2		40	140

Lab Info: G128-2493-2J	Lab Info: G128-2493-2J
Aliphatic: EP012510/017F1101.D	Aromatic: EP012510/018F1201.D

Reviewed By: 

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

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

Sample Information	
Sample Identification	TT3019-TW01
Sample Matrix	Water
Date Collected	01/21/10 12:00
Date Received	01/21/10
Date Extracted	01/22/10
Date Analyzed	01/25/10 20:40 - 01/25/10 21:08
Dry Weight	NA
Dilution Factor	1 - 1
Initial Volume (mL)	864
Final Volume (mL)	5

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

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	93.5		40	140
Aromatic (ortho-terphenyl)	88.5		40	140
Fractionation 1 (2-bromonaphthalene)	85.4		40	140
Fractionation 2 (2-fluorobiphenyl)	90.6		40	140

Lab Info: G128-2493-3J	Lab Info: G128-2493-3J
Aliphatic: EP012510/019F1301.D	Aromatic: EP012510/020F1401.D

Reviewed By: 

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 10/06/09

Calibration Ranges and Limits

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

Calibration Concentration Levels

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

Calibration Check Date: 01/25/10
01/25/10Filenames: ep012510/001f0101.d
ep012510/003f0101.d

Calibration Check

Range	Levels (µg/L) (mg/Kg)	%Difference if CF %Drift if LR	Limits
C9-C18 Aliphatics	100 16.7	19.2	≤±25%
C19-C36 Aliphatics	100 16.7	18.2	≤±25%
C11-C22 Aromatics	100 16.7	-1.1	≤±25%

MDL = Method Detection Limit

ML = Minimum Limit

RL = Reportable Limit

RPD = Relative Percent Difference

%RSD = Percent Relative Standard Deviation

CCC = Correlation Coefficient of Curve

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 10/06/09

Calibration Ranges and Limits

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

Calibration Concentration Levels

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

Calibration Check Date: 01/25/10
01/25/10Filenames: ep012510/023f1701.d
ep012510/024f1801.d

Calibration Check

Range	Levels (µg/L) (mg/Kg)	%Difference if CF %Drift if LR	Limits
C9-C18 Aliphatics	100 16.7	19.2	±25%
C19-C36 Aliphatics	100 16.7	19.1	±25%
C11-C22 Aromatics	100 16.7	2.2	±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 Form

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

Sample Information	
Sample Identification	TT2077A-TW01
Sample Matrix	Water
Collection Option (for Soil)*	NA
Date Collected	01/21/10 10:00
Date Received	01/21/10
Date Extracted	01/22/10 23:48 - 01/22/10 23:48
Date Analyzed	01/22/10 23:48 - 01/22/10 23:48
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**	508	100		
	Percent Recovery	Flags	Limits Lower Upper	
Surrogate % Recovery - PID	106		70	130
Surrogate % Recovery - FID	104		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: g128-2493-1b	Lab Info: g128-2493-1b
FID Info: VP012210/032F0101.D	PID Info: VP012210/032R0101.D

Reviewed By: 

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

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

Sample Information	
Sample Identification	TT2939-TW01
Sample Matrix	Water
Collection Option (for Soil)*	NA
Date Collected	01/21/10 11:00
Date Received	01/21/10
Date Extracted	01/23/10 00:15 - 01/23/10 00:15
Date Analyzed	01/23/10 00:15 - 01/23/10 00:15
Dry Weight	NA
Dilution Factor	1 - 1

Analytical Results				
Analyte	Result µg/L	Report Limit µg/L	Flags	
C ₅ -C ₈ Aliphatics**	BQL	100		
C ₉ -C ₁₂ Aliphatics**	BQL	100		
C ₉ -C ₁₀ Aromatics**	BQL	100		
	Percent Recovery	Flags	Limits Lower Upper	
Surrogate % Recovery - PID	106		70	130
Surrogate % Recovery - FID	102		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: g128-2493-2b	Lab Info: g128-2493-2b
FID Info: VP012210/033F0101.D	PID Info: VP012210/033R0101.D

Reviewed By: 

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

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

Sample Information	
Sample Identification	TT3019-TW01
Sample Matrix	Water
Collection Option (for Soil)*	NA
Date Collected	01/21/10 12:00
Date Received	01/21/10
Date Extracted	01/23/10 00:42 - 01/23/10 00:42
Date Analyzed	01/23/10 00:42 - 01/23/10 00:42
Dry Weight	NA
Dilution Factor	1 - 1

Analytical Results				
Analyte	Result µg/L	Report Limit µg/L	Flags	
C ₅ -C ₈ Aliphatics**	BQL	100		
C ₉ -C ₁₂ Aliphatics**	BQL	100		
C ₉ -C ₁₀ Aromatics**	BQL	100		
	Percent Recovery	Flags	Limits Lower Upper	
Surrogate % Recovery - PID	106		70	130
Surrogate % Recovery - FID	104		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: g128-2493-3b	Lab Info: g128-2493-3b
FID Info: VP012210/034F0101.D	PID Info: VP012210/034R0101.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: 01/22/10Filename: VP012210/002F0101.d

Calibration Check

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

MDL = Method Detection Limit

ML = Minimum Limit

RL = Reportable Limit

RPD = Relative Percent Difference

%RSD = Percent Relative Standard Deviation

CCC = Correlation Coefficient of Curve

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

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

Calibration Ranges and Limits

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

Calibration Concentration Levels

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

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

Calibration Check

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

MDL = Method Detection Limit

ML = Minimum Limit

RL = Reportable Limit

RPD = Relative Percent Difference

%RSD = Percent Relative Standard Deviation

CCC = Correlation Coefficient of Curve

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

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

Calibration Ranges and Limits

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

Calibration Concentration Levels

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

Calibration Check Date: 01/22/10Filename: VP012210/046F0101.d

Calibration Check

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

MDL = Method Detection Limit

ML = Minimum Limit

RL = Reportable Limit

RPD = Relative Percent Difference

%RSD = Percent Relative Standard Deviation

CCC = Correlation Coefficient of Curve

Results for Total Petroleum Hydrocarbons
by GC/FID 8015

Client Sample ID: Drill Cuttings
Client Project ID: TT-Sites
Lab Sample ID: G128-2493-4A
Lab Project ID: G128-2493
Report Basis: Dry Weight

Analyzed By: BAO
Date Collected: 1/21/2010 11:40
Date Received: 1/21/2010
Matrix: Soil
Solids 85.19

Analyte	Result	RL	Units	Dilution Factor	Date Analyzed
Gasoline Range Organics	6.67	5.25	mg/Kg	1	01/24/10 20:36

Surrogate Spike Results

	Added	Result	Recovery	Flag	Limits
BFB	100	115.0	115.0		70-130

Comments:

Batch Information

Analytical Batch: VP012410
Analytical Method: 8015
Instrument ID: GC4
Analyst: BAO

Prep Method: 5035
Initial Wt/Vol: 6.71 g
Final Volume: 5 mL

Analyst: BAO

NC Certification #481

Reviewed By: WT

GRO.XLS

Results for Total Petroleum Hydrocarbons
by GC/FID 8015

Client Sample ID: Drill Cuttings
Client Project ID: TT-Sites
Lab Sample ID: G128-2493-4D
Lab Project ID: G128-2493

Date Collected: 1/21/2010 11:40
Date Received: 1/21/2010
Matrix: Soil
Solids 85.19
Report Basis: Dry Weight

Parameter	Result	RL	Units	Dilution Factor	Date Analyzed
Diesel Range Organics	761	7.31	mg/Kg	1	01/24/10 20:27

Surrogate Spike Results	Spike Added	Control Limits	Spike Result	Percent Recovery
OTP	40	40-140	50.1	125

Comments:

Batch Information

Analytical Batch: EP012410
Analytical Method: 8015
Instrument: GC6
Analyst: DTF

Prep batch: 15932
Prep Method: 3541
Prep Date: 01/21/10
Initial Prep Wt/Vol: 32.11 G
Prep Final Vol: 10 mL

Analyst: FX

NC Certification #481

Reviewed By: DM
DRO.XLS



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1		CLIENT: <u>CATLIN Energy & Sci</u>		SGS Reference: <u>0128-2493</u>		PAGE <u>1</u> OF <u>1</u>			
CONTACT: <u>SHANE CHASTERTON</u>		PHONE NO: <u>(910) 452-5861</u>							
PROJECT: <u>TT-SITES</u>		SITE/PWSID#:							
REPORTS TO: <u>SHANE CHASTERTON</u>		FAX NO.:							
INVOICE TO: <u>SWELA SMITH</u>		QUOTE #: <u>DOD RATES</u>							
		P.O. NUMBER: <u>100121-07</u>							
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No	SAMPLE TYPE	Preservatives Used	Analysis Required	Remarks
	TT2077A-TWO1	1-21-10	1000	GW	9	3 vol	✓	✓	- SUMMARY
	TT2939 - TWO1	↓	1100	↓	↓	↓	✓	✓	EDD FORMAT
	TT3019 - TWO1	↓	1200	↓	↓	↓	✓	✓	- PLS REPORT
	DRILL CUTTINGS	1-21-10	1140	soil	3	9C	✓	✓	LOW RISK
5		Collected/Relinquished By: (1)	Date	Time	Received By:		Shipping Carrier:		
		<u>SA [Signature]</u>	1-21-10	1535	<u>Tim [Signature]</u>		Samples Received Cold? (Circle) <u>YES</u> NO		
		Relinquished By: (2)	Date	Time	Received By:		Shipping Ticket No:		
							Temperature °C: <u>5.2, 4.0</u>		
		Relinquished By: (3)	Date	Time	Received By:		Special Deliverable Requirements:		
							Chain of Custody Seal: (Circle) <u>INTACT</u> <u>BROKEN</u> <u>ABSENT</u>		
		Relinquished By: (4)	Date	Time	Received By:		Special Instructions:		
							Requested Turnaround Time: <u>5 day</u> <u>1/26/10</u> ☐ RUSH ☐ STD		

White - Retained by Lab
Pink - Retained by Client

200 W. Porter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557

APPENDIX E

BORING LOG, WELL CONSTRUCTION AND WELL ABANDONMENT RECORD

SHEET 1 OF 1

 Bentonite Pellets  #2 Medium Sand



NON RESIDENTIAL WELL CONSTRUCTION RECORD

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

WELL CONTRACTOR CERTIFICATION #: 2927

1. WELL CONTRACTOR:

William J. Miller

Well Contractor (Individual) Name

CATLIN Engineers and Scientists

Well Contractor Company Name

220 Old Dairy Road

Street Address

Wilmington

North Carolina

28405

City or Town

State

Zip Code

(910) - 452-5861

Area code - Phone number

2. WELL INFORMATION

WELL CONSTRUCTION PERMIT #: N/A

OTHER ASSOCIATED PERMIT # (if applicable): N/A

SITE WELL ID # (if applicable): TT2939-TW01

3. WELL USE (Check One Box): Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use):

DATE DRILLED: January 18, 2010

4. WELL LOCATION:

Tarawa Terrace Housing Area,

(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: Jacksonville

COUNTY: Onslow

TOPOGRAPHIC / LAND SETTING (check appropriate box)

☐ Slope ☐ Valley ☒ Flat ☐ Ridge ☐ Other: _____

LATITUDE: 34.73644931 DD

LONGITUDE: 77.37753226 DD

Latitude/longitude source: ☒ GPS ☐ Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

5. FACILITY (Name of the business where the well is located.)

N/A

N/A

Facility Name

Facility ID # (if applicable)

Tarawa Terrace Housing Area

Street Address

Jacksonville

NC

City or Town

State

Zip Code

Mr. Nick Schultz

Contact Name

Attn: I&E/ EMD/ EQB/ PSC Box 20004

Mailing Address

Camp Lejeune

NC

28542-0004

City or Town

State

Zip Code

(910)- 451-5068

Area code - Phone number

6. WELL DETAILS:

a. TOTAL DEPTH: 14

b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒

c. WATER LEVEL Below Top of Casing: 10.0 FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 1 FT. Above Land Surface*

* Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C.0118.

e. YIELD (gpm): N/A METHOD OF TEST: N/A

f. DISINFECTION: Type N/A Amount: N/A

g. WATER ZONES (depth):

Top _____ Bottom _____ Top _____ Bottom _____

Top _____ Bottom _____ Top _____ Bottom _____

Top _____ Bottom _____ Top _____ Bottom _____

7. CASING: Depth Diameter Thickness/Weight Material

Top 0 Bottom 4 Ft. 1 in. Sch. 40 PVC

Top _____ Bottom _____ Ft. _____ in. _____

Top _____ Bottom _____ Ft. _____ in. _____

8. GROUT: Depth Material Method

Top _____ Bottom _____ Ft. _____

Top 3 Bottom 4 Ft. _____

Top _____ Bottom _____ Ft. _____

9. SCREEN: Depth Diameter Slot Size Material

Top 4 Bottom 14 Ft. 1 in. Slot .010 in. PVC

Top _____ Bottom _____ Ft. _____ in. _____

Top _____ Bottom _____ Ft. _____ in. _____

10. SAND/GRAVEL PACK:

Depth Size Material

Top 4 Bottom 14 Ft. #2 Medium Torpedo Sand

Top _____ Bottom _____ Ft. _____

Top _____ Bottom _____ Ft. _____

11. DRILLING LOG

Top Bottom

Formation Description

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12. REMARKS:

TEMPORARY TYPE II Abandoned subsequent to sampling.

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR

DATE

William J. Miller

PRINTED NAME OF PERSON CONSTRUCTING THE WELL



WELL ABANDONMENT RECORD

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

WELL CONTRACTOR CERTIFICATION #: 2927

CATLIN PROJECT NO. 209-112

1. WELL CONTRACTOR:

William J. Miller

Well Contractor (Individual) Name

CATLIN Engineers and Scientists

Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington

North Carolina

28405

City or Town

State

Zip Code

(910) - 452-5861

Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): TT2939-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: 34.73644931

LONGITUDE: 77.37753226

May be in degrees, minutes, seconds, or in a decimal

Latitude/longitude source: ☒ GPS ☐ Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a, complete 4b, well owner information only)

FACILITY ID # (if applicable) Not Applicable

NAME OF FACILITY:

STREET ADDRESS: Tarawa Terrace Housing Area

Jacksonville

North Carolina

City or Town

State

Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Nick Schultz

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune

NC

28542-0004

City or Town

State

Zip Code

(910) 451-5068

Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 14 ft. Diameter: 1 in.

b. Water Level (Below Measuring Point): 4.42 ft.

Measuring point is 1.0 ft. above land surface

6. CASING:

Length

Diameter

a. Casing Depth (if known): 4 ft. 1 in.

b. Casing Removed: 5 ft. 1 in.

7. DISINFECTION: N/A

(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement

Cement _____ lb.

Water _____ gal.

Sand Cement

Cement _____ lb.

Water _____ gal.

Bentonite

Bentonite 5 lb.

Type: Slurry _____ Pellets ☒

Water _____ gal.

Other

Type material _____

Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Pulled well screen and casing, backfilled hole with bentonite pellets.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 1/21/2009

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.

[Signature]
SIGNATURE OF CERTIFIED WELL CONTRACTOR

2/5/2010
DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL

DATE

(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113)

William J. Miller

PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from
Form GW-30
Rev. 5/06