

INITIAL ABATEMENT ACTION REPORT

TT-2089

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

JANUARY 26, 2010

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

PREPARED BY:

**CATLIN ENGINEERS AND SCIENTISTS
P. O. BOX 10279
WILMINGTON, NORTH CAROLINA 28404-0279
(910) 452-5861**

CORPORATE LICENSURE NO. FOR ENGINEERING SERVICES: C-0585

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1.0 SITE INFORMATION

1.1 SITE IDENTIFICATION

Date of Report: January 26, 2010
Facility I.D.: Not Applicable UST Incident Number (if known): Pending
Site Name: TT-2089
Site Street Address: TT-2089 Tarawa Blvd.
City/Town: Camp Lejeune Zip Code: 28542 County: Onslow
Description of Geographical Data Point: Approximate former tank basin
Location Method: Marine Corps Base Camp Lejeune GIS (see Figure 1)
Latitude: 34° 44' 16.46" N Longitude: 77° 22' 43.84" W

1.2 CONTACT INFORMATION

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

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

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

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

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

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

1.3 RELEASE INFORMATION

Date Discovered: November 30, 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 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.

In addition to removal of the UST, an area containing a drainage ditch/swale was excavated due to a release of petroleum. This excavation is included with this report as the release appears to have originated from the TT-2089 area.

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

As illustrated on Figure 3 and indicated on Table 3, the nearest surface water body is an unnamed tributary of French Creek and is approximately 125 feet north of the

former UST. 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 formerly assigned a Risk Classification and a Land Use designation.

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 November 30, 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 PID readings. The North Carolina Department of Environment and Natural Resources (NCDENR) Wilmington Regional

Office (WiRO) was notified of a suspected release and the UST-61 "24-Hour Notice of Release and UST Leak Reporting Form" is provided in Appendix B.

One UST closure soil sample (TT-2089-B) was collected beneath the bottom of the tank at approximately nine (9) feet BLS. The TT-2089-B 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. TMS personnel noted there were signs of deterioration and corrosion on the bottom of the UST and small holes were observed in the sides. The tank will be transported to Jacksonville Scrap for disposal.

4.0 INITIAL RESPONSE AND ABATEMENT ACTIONS

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

5.0 EXCAVATION OF CONTAMINATED SOIL

5.1 FIELD SCREENING

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

On December 31, 2009 CATLIN personnel collected hand augered soil samples and conducted PID screening of the shallow soils in the vicinity of the drainage ditch (See Figure 4 for PID screening locations and Table 4 for PID screening results). Based on the results of this field screening the boundaries of the proposed excavation were established at the upgradient end of the stormwater pipe. As indicated on Table 4, the TTditch 10 through TTditch 13 screening locations did not reveal readings above background levels; therefore, no excavation was conducted in this area.

5.2 EXCAVATION PROCESS

As previously mentioned, soils were excavated immediately following UST removal and properly stockpiled (temporarily) near the site. Suspected soil contamination was excavated latterly around the former UST location based on obvious odor and periodic PID screening. Grab soil samples were collected by hand while wearing new, disposable gloves and placed in a sealable polyethylene bag for PID headspace screening. Soils that revealed elevated readings were removed and placed on the nearby stockpile. Soil excavating ceased when all indications of petroleum impacted soils were removed. Overall excavation limits measured 36 feet by 27 feet by nine (9) feet deep. Groundwater was encountered during soil excavation activities at approximately nine (9) feet BLS. The excavation limits are illustrated on Figure 2.

TMS personnel conducted the excavation at the drainage ditch on January 6, 2010. The excavation process at this area was the same as during the UST excavation. Overall excavation limits measured approximately 45 feet by 15 feet by one (1) foot deep. Groundwater was not encountered during soil excavation activities. The excavation limits are illustrated on Figures 2 and 4.

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 C. The four (4) excavation confirmation sidewall samples (TT-2089-1, TT-2089-2, TT-2089-3, and TT-2089-4) 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-2089-B) was collected at nine (9) feet BLS which was reported to be within the water table.

During the drainage ditch excavation, undisturbed soil samples were obtained by TMS personnel from the bottom (approximately one (1) foot BLS) of the excavation at four locations utilizing the excavator bucket. The undisturbed soils from the bottom of the excavation 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 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 samples (BP-01-1, BP-01-2, BP-01-3, and BP-01-4) were transferred to a Pace courier following proper chain-of-custody protocol and submitted for TPH DRO and GRO analysis per EPA Method 8015 analysis.

5.4 QUALITY CONTROL MEASURES

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

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

No duplicate samples were submitted for laboratory analysis. According to the attached laboratory report (see Appendix 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 TT2089-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 December 31, 2009. Due to limited accessibility, boring advancement for temporary well installation was conducted at the site by hand auger technique. 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 TT2089-TW01 boring termination at 12 feet BLS, a 10 foot long piece of one-inch diameter Poly Vinyl Chloride (PVC) well screen (0.010-inch slot) was placed in the bore hole with a five foot long piece of one-inch diameter PVC riser extending approximately three (3) feet above the ground surface. The annular space was filled with medium sand pack from the bottom of the well to approximately one foot above the well screen and then bentonite chips to within one foot of the ground surface. The bentonite chips were poured from the surface while simultaneously pouring water to facilitate hydration.

Groundwater Sampling

On January 4, 2010 CATLIN personnel returned to the site and approximately three (3) gallons of purge water were removed from the well utilizing new polyethylene tubing and a low-flow peristaltic pump. Purge water was containerized in a DOT approved 55-gallon drum. A groundwater sample was then pumped directly into the new, appropriately labeled glassware provide by the laboratory and placed on ice in an insulated cooler. The groundwater sample was transported to SGS North America, Inc (SGS, NC Certification #481) and submitted for Risk Based analysis per EPA Methods 602 and 625 and MADEP EPH/VPH following chain-of-custody protocol (see attached following the SGS laboratory report).

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 copies of the attached 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 – UST Excavation

The complete laboratory analytical reports are attached and the summarized results are provided on Tables 5 through 7. Soil sample locations are illustrated on Figure 2. The TT-2089-B soil sample results are provided; but, soils at nine (9) feet BLS are not considered vadose zone and results may be reflective of groundwater impacts.

The TPH DRO and GRO results are summarized on Table 5. No TPH GRO or DRO concentrations were detected above the laboratory reporting limit in the excavation confirmation sidewall samples (TT-2089-1 through TT-2089-4). The TT-2089-B soil sample revealed 46.0 mg/kg GRO and 3,260 mg/kg DRO.

The laboratory results per EPA Methods 8260 and 8270 are summarized on Table 6. No EPA Method 8260 or 8270 parameters were detected above the laboratory reporting limits or lowest corresponding MSCC in the excavation confirmation sidewall samples (TT-2089-1 through TT-2089-4). The TT-2089-B soil sample revealed numerous compound concentrations above the laboratory reporting limits but none of which were above the established Residential MSCCs. However, there are no established MSCCs for p-Isopropyltoluene or 1-Methylnaphthalene, which were detected at concentrations of 6,780 micrograms per kilogram (ug/kg) and 30,000 ug/kg, respectively. A comparison of the 1-Methylnaphthalene concentration to the standards for the similar compound 2-Methylnaphthalene indicated compliance with the 2-Methylnaphthalene Residential MSCC of 63,000 ug/kg. Also, p-Isopropyltoluene and 1-Methylnaphthalene are naturally occurring Aromatic organic compounds with the molecular formula C₁₀.... A standards comparison can be made with the C₉-C₂₂ Aromatic hydrocarbon fraction since both structures are based on the Aromatic Benzene ring and there are ten carbon atoms in the compounds. The detected p-Isopropyltoluene and 1-Methylnaphthalene concentrations of 6,780 ug/kg and 30,000 ug/kg respectively are both below the C₉-C₂₂ Aromatic hydrocarbon fraction Soil-to-Groundwater (lowest) MSCC of 31,000 ug/kg.

The MADEP EPH and VPH laboratory results are summarized on Table 7. No MADEP EPH or VPH concentrations were detected above the laboratory reporting limit and lowest corresponding MSCC except in the TT-2089-B sample. The TT-2089-B sample revealed concentrations of the C₉-C₁₈ Aliphatics and C₉-C₂₂ Aromatics hydrocarbon fractions at concentrations of 2,369 mg/kg and 1,598.8 mg/kg, respectively. The C₉-C₁₈ Aliphatics and C₉-C₂₂ Aromatics results are above their respective Residential MSCCs of 1,500 mg/kg and 469 mg/kg.

Soil Results – Drainage Ditch Excavation

The drainage ditch excavation soil samples BP-01-1, BP-01-2, BP-01-3, and BP-01-4 did not reveal any detectable TPH compound concentrations above the laboratory

reporting limits or the NCDENR Action Levels. The complete laboratory analytical report is provided in Appendix C.

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 36 feet by 27 feet by nine (9) feet deep (324 cubic yards), roughly 321.2 cubic yards or 481.8 tons of soil were removed during UST TT-2089 closure and excavation activities. The drainage ditch excavation measured approximately 45 feet by 15 feet by one (1) foot deep; therefore, approximately 25 cubic yards or 37.5 tons of soil were removed during this excavation.

Groundwater Results

The complete laboratory analytical reports are attached in Appendix D and summarized results are provided on Tables 8 and 9.

The TT2089-TW01 groundwater sample did not reveal any compound concentrations greater than the established Gross Contaminant Levels (GCLs). Naphthalene was reported at 17.2 micrograms per liter (ug/L), which is above the NCAC T15A:02L Groundwater Quality Standard (2L GWQS) of 6 ug/L effective January 2010. The combined MADEP C9-C18 Aliphatics and C9-C22 Aromatics hydrocarbon fractions were detected above the corresponding 2L GWQS of 700 ug/L and 200 ug/L respectively at concentrations of 3,993 ug/L and 2,024 ug/L, respectively. There are no established GCLs for MADEP EPH/VPH. No other compound concentrations were detected above the current 2L GWQSs.

8.0 CONCLUSION AND RECOMMENDATIONS

A non-commercial, non-regulated 550-gallon home heating oil UST at TT-2089 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 321.2 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 laboratory reporting limits or lowest corresponding MSCCs. The excavation floor sample (TT-2089-B) revealed hydrocarbon fractions per MADEP analysis at concentrations above the established Residential MSCCs, however, the TT-2089-B sample was collected from saturated soils beneath the water table and are not considered indicative of vadose zone soils. Soils at nine (9) feet BLS are not considered a potential secondary source of groundwater contamination or prohibitive of No Further Action status. A second excavation was conducted at the site around a drainage ditch and approximately 25 cubic yards of soil were removed during this

excavation. The four soil samples collected at the bottom of this excavation did not reveal any detectable TPH compound concentrations above the laboratory reporting limits or the NCDENR Action Levels.

Groundwater sample results from the temporary monitoring TT2089-TW01 sample indicated all compound concentrations below the established GCLs. Naphthalene, the C9-C18 Aliphatics and C9-C22 Aromatics hydrocarbon fraction concentrations were reported in the TT2089-TW01 groundwater above the current corresponding 2L GWQS.

Based on the information provided within this report; it is CATLIN's opinion that the intent of the requirements of a Limited Site Assessment (LSA) Report have been met and thus is not required. Therefore, the TT-2089 site should be considered a Low Risk site with the Residential MSCCs being applicable for soil cleanup and the GCLs for groundwater. Based on the recent Risk Based soil and groundwater sampling, a Notice of Residual Petroleum (NRP) for groundwater is recommended because groundwater contaminants are present above the 2L GWQS at the site. Following NRP recordation with the Onslow County Register of Deeds, the site should meet the requirement for No Further Action.

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-2089 - Pending

UST ID Number	Name of Owner or Operator	Dates of Ownership/Operation	Owner or Operator?
TT-2089	Commanding Officer Marine Corps Base Camp Lejeune, NC	Unknown to 11/30/2009	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-2089 - 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-2089	Heating Oil	Heating Oil	550	Unknown Steel	4' x 6'	Copper	Unknown	Removed - 11/30/2009	Yes (assumed)

TABLE 3

PUBLIC AND PRIVATE WATER SUPPLY WELL AND OTHER RECEPTOR INFORMATION

Incident Name and No.: TT-2089 - Pending

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

ft. BLS = feet below land surface

Receptor ID	Description	Location	Contact	Phone Number	Usage	Up or Down Gradient	Distance from source area of release (ft.)
Surface Water	Unnamed Stream	North	Commanding Officer PSC 20004 MCB, Camp Lejeune, 28542	(910) 451-5068	None	Down Gradient (Assumed)	125

TABLE 4
SUMMARY OF DRAINAGE DITCH SOIL PID READINGS

Incident Name and No.: TT-2089 - Pending

Sample ID	Date Collected	Sample Depth (ft. BLS)	PID Reading (ppm)
TTditch 1	12/31/2009	0	0.0
		0.5	0.0
TTditch 2	12/31/2009	0	0.1
		1	0.1
TTditch 3	12/31/2009	0	11.8
		1	0.2
TTditch 4	12/31/2009	0	13.7
		1	0.1
TTditch 5	12/31/2009	0	5.7
		1	0.2
TTditch 6	12/31/2009	0	4.8
		1	0.2
TTditch 7	12/31/2009	0	11.2
		1	0.0
TTditch 8	12/31/2009	0	11.8
		1	0.1
TTditch 9	12/31/2009	0	0.2
		1	0.2
		2	0.1
		3	0.2
TTditch 10	12/31/2009	0	0.4
		0.5	0.2
TTditch 11	12/31/2009	0	1.2
		0.5	0.0
TTditch 12	12/31/2009	0	0.7
		1	0.2
TTditch 13	12/31/2009	0	0.6
		1	0.6

ppm = parts per million

ft. BLS = Feet Below Land Surface

TABLE 5
SUMMARY OF SOIL LABORATORY RESULTS
EPA METHOD 8015

Incident Name and No.: TT-2089 - Pending

Sample ID	Contaminant of Concern →		Gasoline Range Organics	Diesel Range Organics
	Date Collected	Sample Depth (ft. BLS)		
TT-2089-1	12/1/2009	5	<6.1	<6.1
TT-2089-2	12/1/2009	5	<5.5	<5.6
TT-2089-3	12/1/2009	5	<5.1	<5.7
TT-2089-4	12/1/2009	5	<6.7	<5.7
TT-2089-B	12/1/2009	9	46.0	3,260
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 6
SUMMARY OF SOIL LABORATORY RESULTS
EPA METHODS 8260 AND 8270

Incident Name and No.: TT-2089 - Pending

Sample ID	Analytical Method →		EPA Method 8260								EPA Method 8270							
	Contaminant of Concern →		n-Butylbenzene	sec-Butylbenzene	p-Isopropyltoluene	Naphthalene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	All Other EPA Method 8260 Parameters*	Fluoranthene	Fluorene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene	All Other EPA Method 8270 Parameters*
	Date Collected	Sample Depth (ft. BLS)																
TT-2089-1	12/1/2009	5	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	BRL	<32.8	<32.8	<32.8	<32.8	<32.8	<32.8	<32.8	BRL
TT-2089-2	12/1/2009	5	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	BRL	<32.8	<32.8	<32.8	<32.8	<32.8	<32.8	<32.8	BRL
TT-2089-3	12/1/2009	5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	BRL	<32.7	<32.7	<32.7	<32.7	<32.7	<32.7	<32.7	BRL
TT-2089-4	12/1/2009	5	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	BRL	<32.2	<32.2	<32.2	<32.2	<32.2	<32.2	<32.2	BRL
TT-2089-B	12/1/2009	9	5,140	4,160	6,780	12,000	3,830	15,100	4,490	BRL	83.8	2,730	30,000	53,600	9,390	8,330	317	BRL
Residential MSCC (ug/kg)			626,000	626,000	NE	313,000	626,000	782,000	782,000	Varies	620,000	620,000	NE	63,000	313,000	469,000	469,000	Varies
Industrial/Commercial MSCC (ug/kg)			16,350,000	16,350,000	NE	8,176,000	16,350,000	20,440,000	20,440,000	Varies	16,400,000	16,400,000	NE	1,635,000	8,176,000	12,264,000	12,264,000	Varies
Soil to Groundwater MSCC (ug/kg)			4,300	3,300	NE	160	1,700	8,500	8,300	Varies	290,000	47,000	NE	3,600	160	56,000	270,000	Varies

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

TABLE 7
SUMMARY OF SOIL LABORATORY RESULTS
MADEP EPH AND VPH

Incident Name and No.: TT-2089 - 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-2089-1	12/1/2009	5	<12.1	<12.1	<12.1	<11.8	<11.8	<11.8	<11.8	<23.9	<12.1	<23.9
TT-2089-2	12/1/2009	5	<11.2	<11.2	<11.2	<8.4	<8.4	<8.4	<8.4	<19.6	<11.2	<19.6
TT-2089-3	12/1/2009	5	<11.5	<11.5	<11.5	<12.2	<12.2	<12.2	<12.2	<23.7	<11.5	<23.7
TT-2089-4	12/1/2009	5	<11.4	<11.4	<11.4	<8.7	<8.7	<8.7	<8.7	<20.1	<11.4	<20.1
TT-2089-B	12/1/2009	9	2,200	<585	1,520	<11.3	169	78.8	<11.3	2,369	<585	1,598.8
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%)

TABLE 8
SUMMARY OF GROUNDWATER LABORATORY RESULTS
EPA METHODS 602 AND 625

Incident Name and No.: TT-2089 - Pending

Well ID	Analytical Method →		EPA Method 602			EPA Method 625				
	Contaminant of Concern →		Ethylbenzene	Total Xylenes	All other EPA Method 602 Compounds*	Acenaphthene	Fluorene	Naphthalene	Phenanthrene	All other EPA Method 625 Compounds*
	Date Collected	Sample ID								
TT2089-TW01	1/4/2010	TT2089-TW01	3.64	2.20	BMDL	3.46 J	11.0	17.2	15.2	BMDL
GCL (ug/L)			84,500	87,500	Varies	2,120	950	15,500	410	Varies
2L GWQS (ug/L)			600	500	Varies	80	300	6	200	Varies

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

Bold results indicate concentrations above 2L GWQS or GCL.

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

BMDL = Below Method Detection Limit

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

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

TABLE 9
SUMMARY OF GROUNDWATER LABORATORY RESULTS
MADEP EPH AND VPH

Incident Name and No.: TT-2089 - 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										
TT2089-TW01	1/4/2010	TT2089-TW01	3,850	485	1,580	<100	143	444	<100	3,993	485	2,024
GCL (ug/L)									NE	NE	NE	NE
2L GWQS (ug/L)									400	700	10,000	200

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

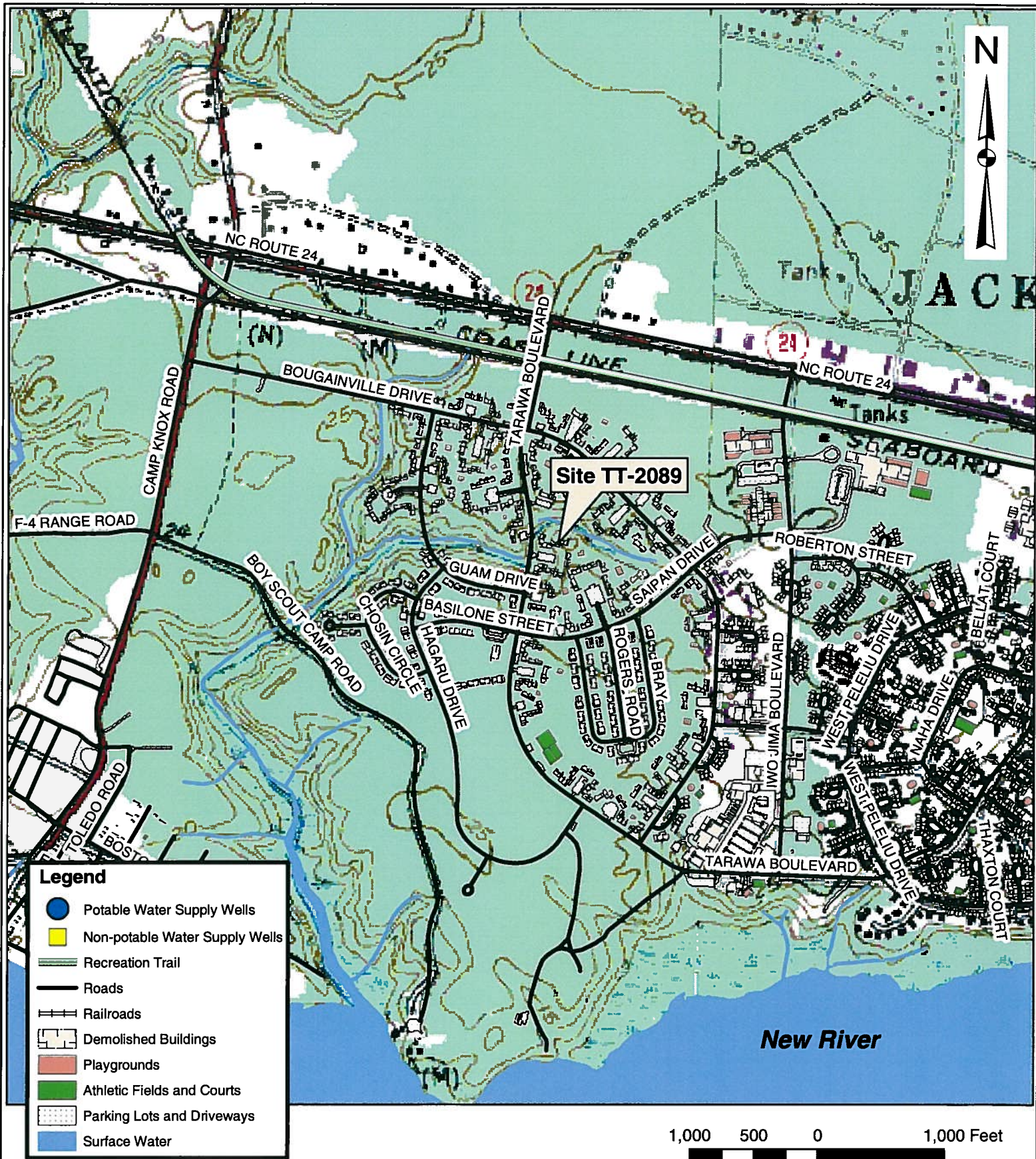
Gross Contaminant Levels (GCL) and NCAC T15A:02L Groundwater Quality Standards (2L GWQS) effective January 2010.

< = Less than reporting limit

NE = None Established

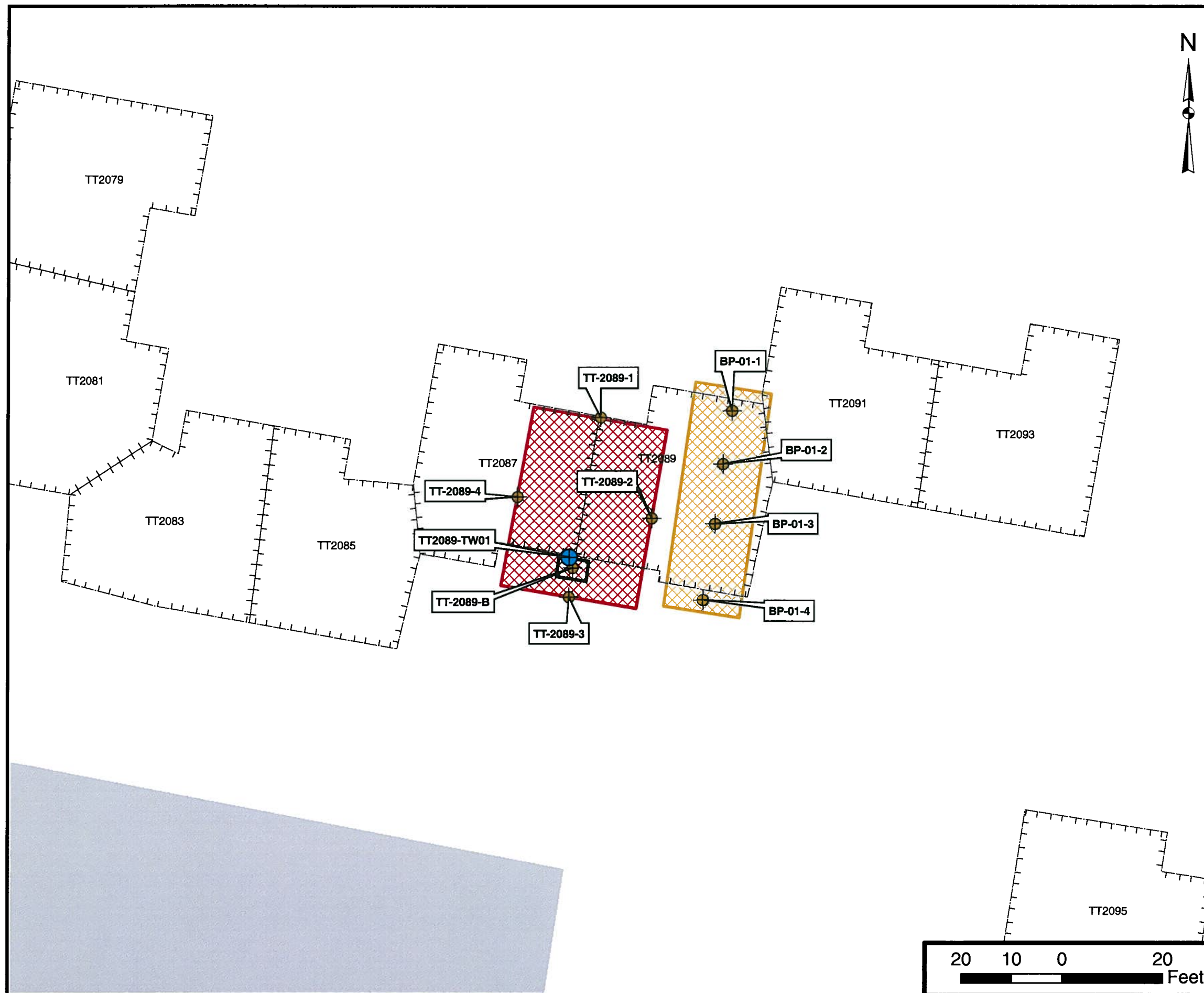
Bold results indicate concentrations above 2L GWQS or GCL.

FIGURES



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

 CATLIN Engineers and Scientists 220 Old Dairy Road Wilmington, NC 28405 Corporate Licensure No. for Engineering Services C-0585	PROJECT SITE TT-2089 IAA REPORT MARINE CORPS BASE CAMP LEJEUNE, NC		TITLE USGS TOPOGRAPHIC SITE VICINITY MAP		FIGURE 1
	JOB NO. 209-112	DATE JAN 2010	SCALE AS SHOWN	DRAWN BY SAC	CHECKED BY MEM



**SITE TT-2089
IAA REPORT
MARINE CORPS BASE
CAMP LEJEUNE, NC**



LEGEND

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

NOTES

1. Data layers provided by MCB Camp Lejeune GIS office.
2. UST excavation dimensions were approximately 36 feet by 27 feet by 9 feet deep.
3. Ditch excavation dimensions were approximately 45 feet by 15 feet by 1 foot deep.
4. Tank location, excavation boundary and soil sample locations based on site sketch provided by TMS personnel.

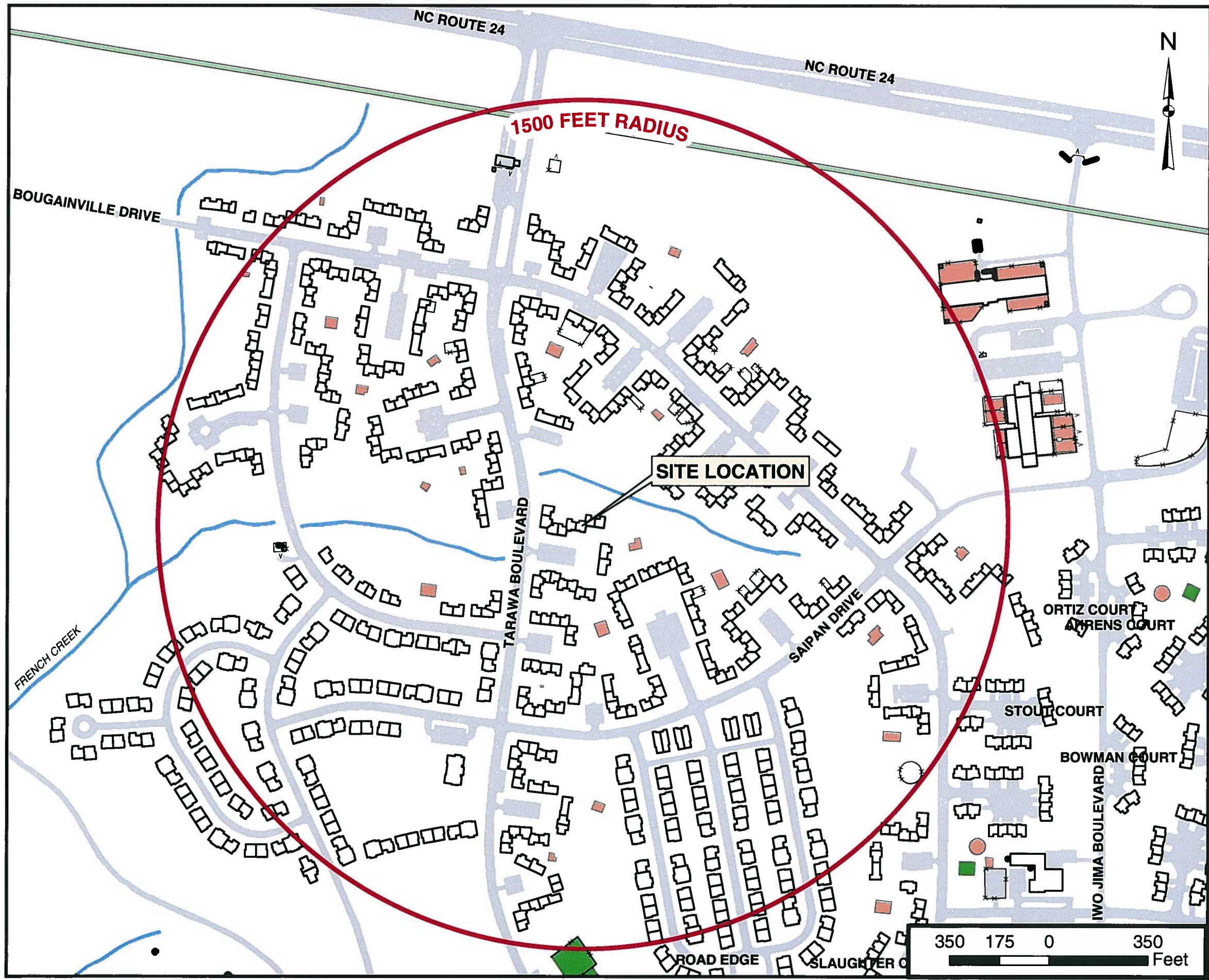


**SITE MAP WITH SOIL
AND GROUNDWATER
SAMPLE LOCATIONS**

FIGURE

2

Job No.: 209-112	Date: JAN 2010	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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**SITE TT-2089
IAA REPORT
MARINE CORPS BASE
CAMP LEJEUNE, NC**



LEGEND

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

NOTES

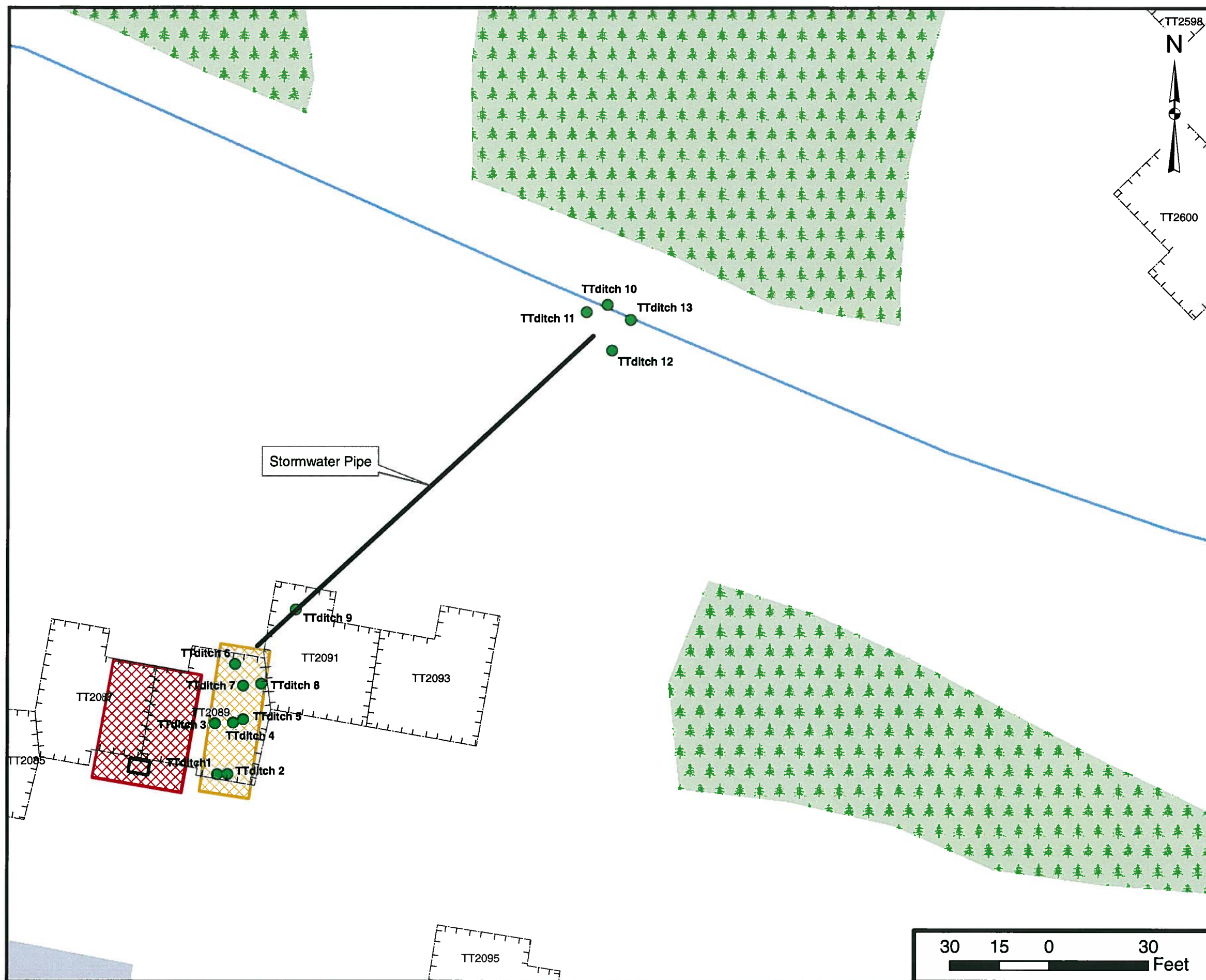
1. Data layers provided by MCB Camp Lejeune GIS office.



**SITE MAP WITH
POTENTIAL RECEPTORS**

FIGURE
3

Job No.: 209-112	Date: JAN 2010	Scale: AS SHOWN	Drawn By: SAC	Checked By: BA
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SITE TT-2089 **IAA REPORT** **MARINE CORPS BASE** **CAMP LEJEUNE, NC**



LEGEND

	Tank Excavation Area		Demolished Buildings and Structures
	Ditch Excavation Area		Slabs
	Former UST		Driveways
	PID Reading Location		Roads
			Woods

NOTES

1. Data layers provided by MCB Camp Lejeune GIS office.
2. PID reading locations based on mapping-grade GPS data.



SITE MAP WITH PID SOIL **SCREENING LOCATIONS**

FIGURE

4

Job No.: 209-112	Date: JAN 2010	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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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 Figure 1).

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 not used for drinking water located within 250 feet of the source area of the release (refer to Figure 1).

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?
If YES describe.*

YES NO

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?
If YES describe.*

YES NO

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 125 feet towards the north (see Figure 1).

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-2089 (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-2089 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-2089.

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

Facility ID Number _____
Date Leak Discovered 11/30/09
Comm/Non-Commercial? _____
Reg/Non-regulated? _____

INCIDENT DESCRIPTION

Incident Name: TT-2089 Tank Removal

Address: TT-2089 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' 16.96" N Longitude (decimal degrees): 77 22' 42.16" W

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

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

unknown. Samples taken per UST Guidelines. Floor sample

was above NC DENR action levels at 3000 ppm TPH DRO.

Additional investigation and remediation pending.

Obtained by:

☐ GPS

☐ Topographic map

☒ GIS Address matching

☐ Other

☐ Unknown

Describe location:

HOW RELEASE WAS DISCOVERED (Release Code)

(Check one)

☐ Release Detection Equipment or Methods

☐ During UST Closure/Removal

☒ Property Transfer

☐ Visual/Odor

☐ Water in Tank

☐ Water Supply Well Contamination

☐ Groundwater Contamination

☐ Surface Water Contamination

☐ Other (specify) _____

SOURCE OF CONTAMINATION**Source of Release**

(Check one to indicate primary source)

☒ Tank

☐ Piping

☐ Dispenser

☐ Submersible Turbine Pump

☐ Delivery Problem

☐ Other

☐ Unknown

Cause of Release

(Check one to indicate primary cause)

☐ Spill

☐ Overfill

☐ Corrosion

☐ Physical or Mechanical
Damage

☐ Install Problem

☐ Other

☒ Unknown

Type of Release

(Check one)

☒ Petroleum

☐ Non-Petroleum

☐ Both

Location
(Check one)

☐ Facility

☒ Residence

☐ Other

Product Type Released

(Check one to indicate primary product type released)

☐ Gasoline/ Diesel/
Kerosene

☒ Heating Oil

☐ Other Petroleum
Products

☐ Metals

☐ Other Inorganics

☐ Other Organics

☐ Diesel/Veg. Oil
Blend

☐ Vegetable Oil 100%

☐ E10 - E20

☐ E21 - E84

☐ E85 - E99

☐ Ethanol 100%

☐ E01 - E09

Definitions presented on reverse

Definitions presented on reverse

Ownership

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

Operation Type

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

IMPACT ON DRINKING WATER SUPPLIESWater 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 OWNERUST Owner/Company
Commanding Officer, Marine Corps Base, Camp LejeunePoint of Contact
Bruce MarkwickAddress
Bldg 12, Post LaneCity
Camp LejeuneState
NCZip Code
28542Telephone 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 INCIDENTLandowner
Same as above

Address

City

State

Zip Code

Telephone Number

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

SEE ATTACHED

Person Reporting Incident Bruce Markwick Company Environmental Management Division Telephone Number 910 451-9660

Title Environmental Protection Specialist Address Bldg 12 Post Lane

Date 12/22/2009

UST Form 61 (02/08)

Page 2 of 2

Definitions of Sources

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

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

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

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

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

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

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

Definitions of Causes

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

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

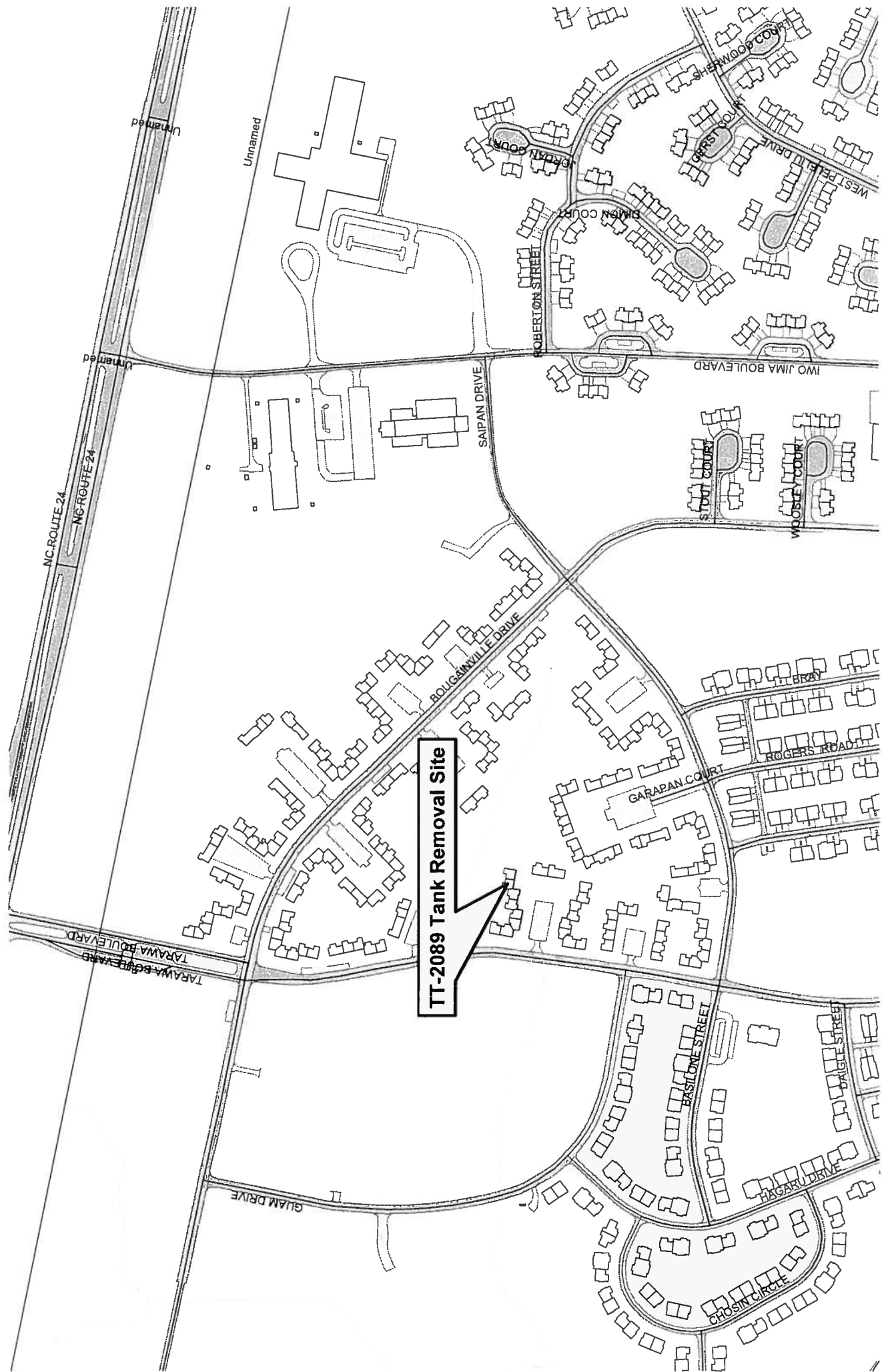
Physical or Mechanical Damage: use for all types of physical or mechanical damage, except corrosion (e.g., puncture of tank or piping, loose fittings, broken components, and components that have changed dimension)

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

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

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

Unknown: use when the cause has not been determined



TT-2089 Tank Removal Site

APPENDIX C

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

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

Return completed form to:

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

STATE USE ONLY.

I.D. # _____

Date Received _____

INSTRUCTIONS (READ THIS FIRST)

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

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

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

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

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

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

I. OWNERSHIP OF TANKS				II. LOCATION OF TANKS			
Owner Name (Corporation, Individual, Public Agency, or Other Entity) Commanding Officer Marine Corps Base				Facility Name or Company Tarawa Terrace Housing			
Street Address PSC 20004				Facility ID # (If known) N/A			
City MCB Camp Lejeune		County Onslow		Street Address TT-2089 Tarawa Terrace Blvd			
State NC		Zip Code 28542-0004		City MCB Camp Lejeune		Zip Code 28542	
Phone Number 910-451-5068				Phone Number None			

III. CONTACT PERSONNEL

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

IV. UST INFORMATION FOR REGISTERED UST SYSTEMS

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

VI. UST INFORMATION FOR UNREGISTERED UST SYSTEMS

Tank ID No.	Size in Gallons	Tank Dimensions	Last Contents	Last Use Date	Permanent Close Date	Tank Owner Name *	Water in excavation		Free product		Notable odor or visible soil contamination	
							Yes	No	Yes	No	Yes	No
1	550	4' x 6'	Heating Oil	Unknown	12/1/10	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 	Date Signed 11/5/10
--	---	------------------------

APPENDIX D

LABORATORY REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION

December 17, 2009

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

RE: Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

Dear Rob Finley:

Enclosed are the analytical results for sample(s) received by the laboratory on December 03, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

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

Sincerely,



Ashley Nifong

ashley.nifong@pacelabs.com
Project Manager

Enclosures

cc: Mike Rohrer, MEC Corp.

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

Ormond Beach Certification IDs

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

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

Charlotte Certification IDs

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

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9258741001	TT-2103-1	EPA 8015 Modified	RES	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8270	EAO	72	PASI-O
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
9258741002	TT-2103-2	EPA 8015 Modified	RES	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8270	EAO	72	PASI-O
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
9258741003	TT-2103-3	EPA 8015 Modified	RES	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8270	EAO	72	PASI-O
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
9258741004	TT-2103-4	EPA 8015 Modified	RES	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8270	EAO	72	PASI-O
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
9258741005	TT-2103-B-9.5	EPA 8015 Modified	RES	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8270	EAO	72	PASI-O
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
9258741006	TT-2089-1	EPA 8015 Modified	RES	2	PASI-C
		MADEP EPH	CAH	7	PASI-C

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9258741007	TT-2089-2	EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8270	EAO	72	PASI-O
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
		EPA 8015 Modified	RES	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8270	EAO	72	PASI-O
9258741008	TT-2089-3	EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
		EPA 8015 Modified	RES	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8270	EAO	72	PASI-O
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
		EPA 8015 Modified	RES	2	PASI-C
9258741009	TT-2089-4	MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8270	EAO	72	PASI-O
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
		EPA 8015 Modified	RES	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
9258741010	TT-2089-B	EPA 8270	EAO	72	PASI-O
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
		EPA 8015 Modified	RES	2	PASI-C
		MADEP EPH	CAH	7	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		MADEP VPH	DHW	5	PASI-C
		EPA 8270	EAO	72	PASI-O
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2103-1 Lab ID: 9258741001 Collected: 11/30/09 11:15 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		6.1	1	12/07/09 12:01	12/09/09 09:58	68334-30-5	
n-Pentacosane (S)	82 %		50-135	1	12/07/09 12:01	12/09/09 09:58	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		12.2	1	12/07/09 11:45	12/10/09 04:54		
Aliphatic (C19-C36)	ND mg/kg		12.2	1	12/07/09 11:45	12/10/09 04:54		
Aromatic (C11-C22)	ND mg/kg		12.2	1	12/07/09 11:45	12/10/09 04:54		
Nonatriacontane (S)	71 %		40-140	1	12/07/09 11:45	12/10/09 04:54	7194-86-7	
o-Terphenyl (S)	86 %		40-140	1	12/07/09 11:45	12/10/09 04:54	84-15-1	
2-Fluorobiphenyl (S)	99 %		40-140	1	12/07/09 11:45	12/10/09 04:54	321-60-8	
2-Bromonaphthalene (S)	100 %		40-140	1	12/07/09 11:45	12/10/09 04:54	580-13-2	
Gasoline Range Organics Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		6.1	1	12/07/09 03:55	12/10/09 03:50	8006-61-9	
4-Bromofluorobenzene (S)	119 %		50-135	1	12/07/09 03:55	12/10/09 03:50	460-00-4	
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		9.7	1	12/08/09 03:54	12/10/09 00:32		
Aliphatic (C09-C12)	ND mg/kg		9.7	1	12/08/09 03:54	12/10/09 00:32		
Aromatic (C09-C10)	ND mg/kg		9.7	1	12/08/09 03:54	12/10/09 00:32		
2,5-Dibromotoluene (PID)(S)	159 %		70-130	1	12/08/09 03:54	12/10/09 00:32		S3
2,5-Dibromotoluene (FID)(S)	148 %		70-130	1	12/08/09 03:54	12/10/09 00:32		S3
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
Acenaphthene	ND ug/kg		32.6	1	12/08/09 20:27	12/12/09 03:37	83-32-9	
Acenaphthylene	ND ug/kg		32.6	1	12/08/09 20:27	12/12/09 03:37	208-96-8	
Anthracene	ND ug/kg		32.6	1	12/08/09 20:27	12/12/09 03:37	120-12-7	
Benzo(a)anthracene	ND ug/kg		32.6	1	12/08/09 20:27	12/12/09 03:37	56-55-3	
Benzo(a)pyrene	ND ug/kg		32.6	1	12/08/09 20:27	12/12/09 03:37	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		32.6	1	12/08/09 20:27	12/12/09 03:37	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		32.6	1	12/08/09 20:27	12/12/09 03:37	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		32.6	1	12/08/09 20:27	12/12/09 03:37	207-08-9	
4-Bromophenylphenyl ether	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	101-55-3	
Butylbenzylphthalate	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		661	1	12/08/09 20:27	12/12/09 03:37	59-50-7	
4-Chloroaniline	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	108-60-1	
2-Chloronaphthalene	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	91-58-7	
2-Chlorophenol	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	7005-72-3	
Chrysene	ND ug/kg		32.6	1	12/08/09 20:27	12/12/09 03:37	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		32.6	1	12/08/09 20:27	12/12/09 03:37	53-70-3	
Dibenzofuran	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	132-64-9	

Date: 12/17/2009 07:24 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2103-1 Lab ID: 9258741001 Collected: 11/30/09 11:15 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
1,2-Dichlorobenzene	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	106-46-7	
3,3'-Dichlorobenzidine	ND ug/kg		661	1	12/08/09 20:27	12/12/09 03:37	91-94-1	L1
2,4-Dichlorophenol	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	120-83-2	
Diethylphthalate	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	84-66-2	
2,4-Dimethylphenol	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	105-67-9	
Dimethylphthalate	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	131-11-3	
Di-n-butylphthalate	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		661	1	12/08/09 20:27	12/12/09 03:37	534-52-1	
2,4-Dinitrophenol	ND ug/kg		661	1	12/08/09 20:27	12/12/09 03:37	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	606-20-2	
Di-n-octylphthalate	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	117-84-0	
1,2-Diphenylhydrazine	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	122-66-7	
bis(2-Ethylhexyl)phthalate	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	117-81-7	
Fluoranthene	ND ug/kg		32.6	1	12/08/09 20:27	12/12/09 03:37	206-44-0	
Fluorene	ND ug/kg		32.6	1	12/08/09 20:27	12/12/09 03:37	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	87-68-3	
Hexachlorobenzene	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		661	1	12/08/09 20:27	12/12/09 03:37	77-47-4	
Hexachloroethane	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		32.6	1	12/08/09 20:27	12/12/09 03:37	193-39-5	
Isophorone	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	78-59-1	
1-Methylnaphthalene	ND ug/kg		32.6	1	12/08/09 20:27	12/12/09 03:37	90-12-0	
2-Methylnaphthalene	ND ug/kg		32.6	1	12/08/09 20:27	12/12/09 03:37	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37		
Naphthalene	ND ug/kg		32.6	1	12/08/09 20:27	12/12/09 03:37	91-20-3	
2-Nitroaniline	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	88-74-4	
3-Nitroaniline	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	99-09-2	
4-Nitroaniline	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	100-01-6	
Nitrobenzene	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	98-95-3	
2-Nitrophenol	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	88-75-5	
4-Nitrophenol	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	100-02-7	
N-Nitrosodimethylamine	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	86-30-6	
Pentachlorophenol	ND ug/kg		661	1	12/08/09 20:27	12/12/09 03:37	87-86-5	
Phenanthrene	ND ug/kg		32.6	1	12/08/09 20:27	12/12/09 03:37	85-01-8	
Phenol	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	108-95-2	
Pyrene	ND ug/kg		32.6	1	12/08/09 20:27	12/12/09 03:37	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		168	1	12/08/09 20:27	12/12/09 03:37	88-06-2	
Nitrobenzene-d5 (S)	63 %		10-110	1	12/08/09 20:27	12/12/09 03:37	4165-60-0	

Date: 12/17/2009 07:24 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2103-1 Lab ID: 9258741001 Collected: 11/30/09 11:15 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
2-Fluorobiphenyl (S)	68 %		18-110	1	12/08/09 20:27	12/12/09 03:37	321-60-8	
Terphenyl-d14 (S)	86 %		10-123	1	12/08/09 20:27	12/12/09 03:37	1718-51-0	
Phenol-d6 (S)	59 %		10-110	1	12/08/09 20:27	12/12/09 03:37	13127-88-3	
2-Fluorophenol (S)	59 %		18-110	1	12/08/09 20:27	12/12/09 03:37	367-12-4	
2,4,6-Tribromophenol (S)	81 %		10-110	1	12/08/09 20:27	12/12/09 03:37	118-79-6	
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Acetone	ND ug/kg		88.7	1		12/04/09 22:14	67-64-1	
Benzene	ND ug/kg		4.4	1		12/04/09 22:14	71-43-2	
Bromobenzene	ND ug/kg		4.4	1		12/04/09 22:14	108-86-1	
Bromochloromethane	ND ug/kg		4.4	1		12/04/09 22:14	74-97-5	
Bromodichloromethane	ND ug/kg		4.4	1		12/04/09 22:14	75-27-4	
Bromoform	ND ug/kg		4.4	1		12/04/09 22:14	75-25-2	
Bromomethane	ND ug/kg		8.9	1		12/04/09 22:14	74-83-9	
2-Butanone (MEK)	ND ug/kg		88.7	1		12/04/09 22:14	78-93-3	
n-Butylbenzene	ND ug/kg		4.4	1		12/04/09 22:14	104-51-8	
sec-Butylbenzene	ND ug/kg		4.4	1		12/04/09 22:14	135-98-8	
tert-Butylbenzene	ND ug/kg		4.4	1		12/04/09 22:14	98-06-6	
Carbon tetrachloride	ND ug/kg		4.4	1		12/04/09 22:14	56-23-5	
Chlorobenzene	ND ug/kg		4.4	1		12/04/09 22:14	108-90-7	
Chloroethane	ND ug/kg		8.9	1		12/04/09 22:14	75-00-3	
Chloroform	ND ug/kg		4.4	1		12/04/09 22:14	67-66-3	
Chloromethane	ND ug/kg		8.9	1		12/04/09 22:14	74-87-3	
2-Chlorotoluene	ND ug/kg		4.4	1		12/04/09 22:14	95-49-8	
4-Chlorotoluene	ND ug/kg		4.4	1		12/04/09 22:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		4.4	1		12/04/09 22:14	96-12-8	
Dibromochloromethane	ND ug/kg		4.4	1		12/04/09 22:14	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.4	1		12/04/09 22:14	106-93-4	
Dibromomethane	ND ug/kg		4.4	1		12/04/09 22:14	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		4.4	1		12/04/09 22:14	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		4.4	1		12/04/09 22:14	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		4.4	1		12/04/09 22:14	106-46-7	
Dichlorodifluoromethane	ND ug/kg		8.9	1		12/04/09 22:14	75-71-8	
1,1-Dichloroethane	ND ug/kg		4.4	1		12/04/09 22:14	75-34-3	
1,2-Dichloroethane	ND ug/kg		4.4	1		12/04/09 22:14	107-06-2	
1,1-Dichloroethene	ND ug/kg		4.4	1		12/04/09 22:14	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		4.4	1		12/04/09 22:14	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		4.4	1		12/04/09 22:14	156-60-5	
1,2-Dichloropropane	ND ug/kg		4.4	1		12/04/09 22:14	78-87-5	
1,3-Dichloropropane	ND ug/kg		4.4	1		12/04/09 22:14	142-28-9	
2,2-Dichloropropane	ND ug/kg		4.4	1		12/04/09 22:14	594-20-7	
1,1-Dichloropropene	ND ug/kg		4.4	1		12/04/09 22:14	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		4.4	1		12/04/09 22:14	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		4.4	1		12/04/09 22:14	10061-02-6	
Diisopropyl ether	ND ug/kg		4.4	1		12/04/09 22:14	108-20-3	
Ethylbenzene	ND ug/kg		4.4	1		12/04/09 22:14	100-41-4	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2103-1 Lab ID: 9258741001 Collected: 11/30/09 11:15 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Hexachloro-1,3-butadiene	ND	ug/kg	4.4	1		12/04/09 22:14	87-68-3	
2-Hexanone	ND	ug/kg	44.3	1		12/04/09 22:14	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.4	1		12/04/09 22:14	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.4	1		12/04/09 22:14	99-87-6	
Methylene Chloride	ND	ug/kg	17.7	1		12/04/09 22:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	44.3	1		12/04/09 22:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.4	1		12/04/09 22:14	1634-04-4	
Naphthalene	ND	ug/kg	4.4	1		12/04/09 22:14	91-20-3	
n-Propylbenzene	ND	ug/kg	4.4	1		12/04/09 22:14	103-65-1	
Styrene	ND	ug/kg	4.4	1		12/04/09 22:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.4	1		12/04/09 22:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.4	1		12/04/09 22:14	79-34-5	
Tetrachloroethene	ND	ug/kg	4.4	1		12/04/09 22:14	127-18-4	
Toluene	ND	ug/kg	4.4	1		12/04/09 22:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.4	1		12/04/09 22:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.4	1		12/04/09 22:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.4	1		12/04/09 22:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.4	1		12/04/09 22:14	79-00-5	
Trichloroethene	ND	ug/kg	4.4	1		12/04/09 22:14	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.4	1		12/04/09 22:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.4	1		12/04/09 22:14	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.4	1		12/04/09 22:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.4	1		12/04/09 22:14	108-67-8	
Vinyl acetate	ND	ug/kg	44.3	1		12/04/09 22:14	108-05-4	
Vinyl chloride	ND	ug/kg	8.9	1		12/04/09 22:14	75-01-4	
Xylene (Total)	ND	ug/kg	8.9	1		12/04/09 22:14	1330-20-7	
m&p-Xylene	ND	ug/kg	8.9	1		12/04/09 22:14	1330-20-7	
o-Xylene	ND	ug/kg	4.4	1		12/04/09 22:14	95-47-6	
Dibromofluoromethane (S)	102 %		79-116	1		12/04/09 22:14	1868-53-7	
Toluene-d8 (S)	102 %		88-110	1		12/04/09 22:14	2037-26-5	
4-Bromofluorobenzene (S)	96 %		74-115	1		12/04/09 22:14	460-00-4	
1,2-Dichloroethane-d4 (S)	120 %		69-121	1		12/04/09 22:14	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	17.8 %	0.10	1	12/04/09 09:05
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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

Sample: TT-2103-2 Lab ID: 9258741002 Collected: 11/30/09 11:25 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		5.8	1	12/03/09 13:45	12/04/09 02:52	68334-30-5	
n-Pentacosane (S)	44 %		50-135	1	12/03/09 13:45	12/04/09 02:52	629-99-2	S2
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		11.6	1	12/07/09 11:45	12/10/09 05:28		
Aliphatic (C19-C36)	ND mg/kg		11.6	1	12/07/09 11:45	12/10/09 05:28		
Aromatic (C11-C22)	ND mg/kg		11.6	1	12/07/09 11:45	12/10/09 05:28		
Nonatriacontane (S)	66 %		40-140	1	12/07/09 11:45	12/10/09 05:28	7194-86-7	
o-Terphenyl (S)	68 %		40-140	1	12/07/09 11:45	12/10/09 05:28	84-15-1	
2-Fluorobiphenyl (S)	93 %		40-140	1	12/07/09 11:45	12/10/09 05:28	321-60-8	
2-Bromonaphthalene (S)	94 %		40-140	1	12/07/09 11:45	12/10/09 05:28	580-13-2	
Gasoline Range Organics Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		6.0	1	12/07/09 03:55	12/10/09 04:15	8006-61-9	
4-Bromofluorobenzene (S)	125 %		50-135	1	12/07/09 03:55	12/10/09 04:15	460-00-4	
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		9.6	1	12/08/09 03:54	12/10/09 00:57		
Aliphatic (C09-C12)	ND mg/kg		9.6	1	12/08/09 03:54	12/10/09 00:57		
Aromatic (C09-C10)	ND mg/kg		9.6	1	12/08/09 03:54	12/10/09 00:57		
2,5-Dibromotoluene (PID)(S)	162 %		70-130	1	12/08/09 03:54	12/10/09 00:57		S3
2,5-Dibromotoluene (FID)(S)	149 %		70-130	1	12/08/09 03:54	12/10/09 00:57		S3
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
Acenaphthene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 04:03	83-32-9	
Acenaphthylene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 04:03	208-96-8	
Anthracene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 04:03	120-12-7	
Benzo(a)anthracene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 04:03	56-55-3	
Benzo(a)pyrene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 04:03	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 04:03	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 04:03	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 04:03	207-08-9	
4-Bromophenylphenyl ether	ND ug/kg		169	1	12/08/09 20:27	12/12/09 04:03	101-55-3	
Butylbenzylphthalate	ND ug/kg		169	1	12/08/09 20:27	12/12/09 04:03	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		666	1	12/08/09 20:27	12/12/09 04:03	59-50-7	
4-Chloroaniline	ND ug/kg		169	1	12/08/09 20:27	12/12/09 04:03	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		169	1	12/08/09 20:27	12/12/09 04:03	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		169	1	12/08/09 20:27	12/12/09 04:03	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		169	1	12/08/09 20:27	12/12/09 04:03	108-60-1	
2-Chloronaphthalene	ND ug/kg		169	1	12/08/09 20:27	12/12/09 04:03	91-58-7	
2-Chlorophenol	ND ug/kg		169	1	12/08/09 20:27	12/12/09 04:03	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		169	1	12/08/09 20:27	12/12/09 04:03	7005-72-3	
Chrysene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 04:03	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 04:03	53-70-3	
Dibenzofuran	ND ug/kg		169	1	12/08/09 20:27	12/12/09 04:03	132-64-9	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

Sample: TT-2103-2 **Lab ID:** 9258741002 **Collected:** 11/30/09 11:25 **Received:** 12/03/09 09:30 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
1,2-Dichlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	666	1	12/08/09 20:27	12/12/09 04:03	91-94-1	L1
2,4-Dichlorophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	120-83-2	
Diethylphthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	105-67-9	
Dimethylphthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	131-11-3	
Di-n-butylphthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	666	1	12/08/09 20:27	12/12/09 04:03	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	666	1	12/08/09 20:27	12/12/09 04:03	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	606-20-2	
Di-n-octylphthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	117-84-0	
1,2-Diphenylhydrazine	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	117-81-7	
Fluoranthene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 04:03	206-44-0	
Fluorene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 04:03	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	87-68-3	
Hexachlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	666	1	12/08/09 20:27	12/12/09 04:03	77-47-4	
Hexachloroethane	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 04:03	193-39-5	
Isophorone	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	78-59-1	
1-Methylnaphthalene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 04:03	90-12-0	
2-Methylnaphthalene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 04:03	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03		
Naphthalene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 04:03	91-20-3	
2-Nitroaniline	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	88-74-4	
3-Nitroaniline	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	99-09-2	
4-Nitroaniline	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	100-01-6	
Nitrobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	98-95-3	
2-Nitrophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	88-75-5	
4-Nitrophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	86-30-6	
Pentachlorophenol	ND	ug/kg	666	1	12/08/09 20:27	12/12/09 04:03	87-86-5	
Phenanthrene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 04:03	85-01-8	
Phenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	108-95-2	
Pyrene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 04:03	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:03	88-06-2	
Nitrobenzene-d5 (S)	71	%	10-110	1	12/08/09 20:27	12/12/09 04:03	4165-60-0	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2103-2 Lab ID: 9258741002 Collected: 11/30/09 11:25 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
2-Fluorobiphenyl (S)	74 %		18-110	1	12/08/09 20:27	12/12/09 04:03	321-60-8	
Terphenyl-d14 (S)	83 %		10-123	1	12/08/09 20:27	12/12/09 04:03	1718-51-0	
Phenol-d6 (S)	68 %		10-110	1	12/08/09 20:27	12/12/09 04:03	13127-88-3	
2-Fluorophenol (S)	65 %		18-110	1	12/08/09 20:27	12/12/09 04:03	367-12-4	
2,4,6-Tribromophenol (S)	80 %		10-110	1	12/08/09 20:27	12/12/09 04:03	118-79-6	
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Acetone	ND ug/kg		98.1	1		12/04/09 22:33	67-64-1	
Benzene	ND ug/kg		4.9	1		12/04/09 22:33	71-43-2	
Bromobenzene	ND ug/kg		4.9	1		12/04/09 22:33	108-86-1	
Bromochloromethane	ND ug/kg		4.9	1		12/04/09 22:33	74-97-5	
Bromodichloromethane	ND ug/kg		4.9	1		12/04/09 22:33	75-27-4	
Bromoform	ND ug/kg		4.9	1		12/04/09 22:33	75-25-2	
Bromomethane	ND ug/kg		9.8	1		12/04/09 22:33	74-83-9	
2-Butanone (MEK)	ND ug/kg		98.1	1		12/04/09 22:33	78-93-3	
n-Butylbenzene	ND ug/kg		4.9	1		12/04/09 22:33	104-51-8	
sec-Butylbenzene	ND ug/kg		4.9	1		12/04/09 22:33	135-98-8	
tert-Butylbenzene	ND ug/kg		4.9	1		12/04/09 22:33	98-06-6	
Carbon tetrachloride	ND ug/kg		4.9	1		12/04/09 22:33	56-23-5	
Chlorobenzene	ND ug/kg		4.9	1		12/04/09 22:33	108-90-7	
Chloroethane	ND ug/kg		9.8	1		12/04/09 22:33	75-00-3	
Chloroform	ND ug/kg		4.9	1		12/04/09 22:33	67-66-3	
Chloromethane	ND ug/kg		9.8	1		12/04/09 22:33	74-87-3	
2-Chlorotoluene	ND ug/kg		4.9	1		12/04/09 22:33	95-49-8	
4-Chlorotoluene	ND ug/kg		4.9	1		12/04/09 22:33	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		4.9	1		12/04/09 22:33	96-12-8	
Dibromochloromethane	ND ug/kg		4.9	1		12/04/09 22:33	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.9	1		12/04/09 22:33	106-93-4	
Dibromomethane	ND ug/kg		4.9	1		12/04/09 22:33	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		4.9	1		12/04/09 22:33	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		4.9	1		12/04/09 22:33	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		4.9	1		12/04/09 22:33	106-46-7	
Dichlorodifluoromethane	ND ug/kg		9.8	1		12/04/09 22:33	75-71-8	
1,1-Dichloroethane	ND ug/kg		4.9	1		12/04/09 22:33	75-34-3	
1,2-Dichloroethane	ND ug/kg		4.9	1		12/04/09 22:33	107-06-2	
1,1-Dichloroethene	ND ug/kg		4.9	1		12/04/09 22:33	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		4.9	1		12/04/09 22:33	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		4.9	1		12/04/09 22:33	156-60-5	
1,2-Dichloropropane	ND ug/kg		4.9	1		12/04/09 22:33	78-87-5	
1,3-Dichloropropane	ND ug/kg		4.9	1		12/04/09 22:33	142-28-9	
2,2-Dichloropropane	ND ug/kg		4.9	1		12/04/09 22:33	594-20-7	
1,1-Dichloropropene	ND ug/kg		4.9	1		12/04/09 22:33	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		4.9	1		12/04/09 22:33	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		4.9	1		12/04/09 22:33	10061-02-6	
Diisopropyl ether	ND ug/kg		4.9	1		12/04/09 22:33	108-20-3	
Ethylbenzene	ND ug/kg		4.9	1		12/04/09 22:33	100-41-4	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2103-2 Lab ID: 9258741002 Collected: 11/30/09 11:25 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	1		12/04/09 22:33	87-68-3	
2-Hexanone	ND	ug/kg	49.1	1		12/04/09 22:33	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1		12/04/09 22:33	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1		12/04/09 22:33	99-87-6	
Methylene Chloride	ND	ug/kg	19.6	1		12/04/09 22:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	49.1	1		12/04/09 22:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1		12/04/09 22:33	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1		12/04/09 22:33	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1		12/04/09 22:33	103-65-1	
Styrene	ND	ug/kg	4.9	1		12/04/09 22:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	1		12/04/09 22:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1		12/04/09 22:33	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1		12/04/09 22:33	127-18-4	
Toluene	ND	ug/kg	4.9	1		12/04/09 22:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	1		12/04/09 22:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1		12/04/09 22:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1		12/04/09 22:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	1		12/04/09 22:33	79-00-5	
Trichloroethene	ND	ug/kg	4.9	1		12/04/09 22:33	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	1		12/04/09 22:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1		12/04/09 22:33	96-18-4	
1,2,4-Trimethylbenzene	10.3	ug/kg	4.9	1		12/04/09 22:33	95-63-6	
1,3,5-Trimethylbenzene	5.1	ug/kg	4.9	1		12/04/09 22:33	108-67-8	
Vinyl acetate	ND	ug/kg	49.1	1		12/04/09 22:33	108-05-4	
Vinyl chloride	ND	ug/kg	9.8	1		12/04/09 22:33	75-01-4	
Xylene (Total)	10.6	ug/kg	9.8	1		12/04/09 22:33	1330-20-7	
m&p-Xylene	ND	ug/kg	9.8	1		12/04/09 22:33	1330-20-7	
o-Xylene	ND	ug/kg	4.9	1		12/04/09 22:33	95-47-6	
Dibromofluoromethane (S)	121	%	79-116	1		12/04/09 22:33	1868-53-7	S6
Toluene-d8 (S)	96	%	88-110	1		12/04/09 22:33	2037-26-5	
4-Bromofluorobenzene (S)	82	%	74-115	1		12/04/09 22:33	460-00-4	
1,2-Dichloroethane-d4 (S)	115	%	69-121	1		12/04/09 22:33	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	13.5 %	0.10	1	12/04/09 09:05
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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

Sample: TT-2103-3 **Lab ID:** 9258741003 **Collected:** 11/30/09 10:40 **Received:** 12/03/09 09:30 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		5.6	1	12/07/09 12:01	12/09/09 09:58	68334-30-5	
n-Pentacosane (S)	64 %		50-135	1	12/07/09 12:01	12/09/09 09:58	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		11.3	1	12/07/09 11:45	12/10/09 06:01		
Aliphatic (C19-C36)	ND mg/kg		11.3	1	12/07/09 11:45	12/10/09 06:01		
Aromatic (C11-C22)	ND mg/kg		11.3	1	12/07/09 11:45	12/10/09 06:01		
Nonatriacontane (S)	69 %		40-140	1	12/07/09 11:45	12/10/09 06:01	7194-86-7	
o-Terphenyl (S)	72 %		40-140	1	12/07/09 11:45	12/10/09 06:01	84-15-1	
2-Fluorobiphenyl (S)	87 %		40-140	1	12/07/09 11:45	12/10/09 06:01	321-60-8	
2-Bromonaphthalene (S)	91 %		40-140	1	12/07/09 11:45	12/10/09 06:01	580-13-2	
Gasoline Range Organics Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		7.2	1	12/10/09 04:41	12/10/09 20:00	8006-61-9	
4-Bromofluorobenzene (S)	110 %		50-135	1	12/10/09 04:41	12/10/09 20:00	460-00-4	
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		10.5	1	12/08/09 03:54	12/10/09 01:21		
Aliphatic (C09-C12)	ND mg/kg		10.5	1	12/08/09 03:54	12/10/09 01:21		
Aromatic (C09-C10)	ND mg/kg		10.5	1	12/08/09 03:54	12/10/09 01:21		
2,5-Dibromotoluene (PID)(S)	136 %		70-130	1	12/08/09 03:54	12/10/09 01:21		S3
2,5-Dibromotoluene (FID)(S)	120 %		70-130	1	12/08/09 03:54	12/10/09 01:21		
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
Acenaphthene	ND ug/kg		33.0	1	12/08/09 20:27	12/12/09 04:29	83-32-9	
Acenaphthylene	ND ug/kg		33.0	1	12/08/09 20:27	12/12/09 04:29	208-96-8	
Anthracene	ND ug/kg		33.0	1	12/08/09 20:27	12/12/09 04:29	120-12-7	
Benzo(a)anthracene	ND ug/kg		33.0	1	12/08/09 20:27	12/12/09 04:29	56-55-3	
Benzo(a)pyrene	ND ug/kg		33.0	1	12/08/09 20:27	12/12/09 04:29	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		33.0	1	12/08/09 20:27	12/12/09 04:29	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		33.0	1	12/08/09 20:27	12/12/09 04:29	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		33.0	1	12/08/09 20:27	12/12/09 04:29	207-08-9	
4-Bromophenylphenyl ether	ND ug/kg		170	1	12/08/09 20:27	12/12/09 04:29	101-55-3	
Butylbenzylphthalate	ND ug/kg		170	1	12/08/09 20:27	12/12/09 04:29	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		670	1	12/08/09 20:27	12/12/09 04:29	59-50-7	
4-Chloroaniline	ND ug/kg		170	1	12/08/09 20:27	12/12/09 04:29	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		170	1	12/08/09 20:27	12/12/09 04:29	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		170	1	12/08/09 20:27	12/12/09 04:29	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		170	1	12/08/09 20:27	12/12/09 04:29	108-60-1	
2-Chloronaphthalene	ND ug/kg		170	1	12/08/09 20:27	12/12/09 04:29	91-58-7	
2-Chlorophenol	ND ug/kg		170	1	12/08/09 20:27	12/12/09 04:29	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		170	1	12/08/09 20:27	12/12/09 04:29	7005-72-3	
Chrysene	ND ug/kg		33.0	1	12/08/09 20:27	12/12/09 04:29	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		33.0	1	12/08/09 20:27	12/12/09 04:29	53-70-3	
Dibenzofuran	ND ug/kg		170	1	12/08/09 20:27	12/12/09 04:29	132-64-9	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2103-3 Lab ID: 9258741003 Collected: 11/30/09 10:40 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
1,2-Dichlorobenzene	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	670	1	12/08/09 20:27	12/12/09 04:29	91-94-1	L1
2,4-Dichlorophenol	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	120-83-2	
Diethylphthalate	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	105-67-9	
Dimethylphthalate	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	131-11-3	
Di-n-butylphthalate	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	670	1	12/08/09 20:27	12/12/09 04:29	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	670	1	12/08/09 20:27	12/12/09 04:29	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	606-20-2	
Di-n-octylphthalate	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	117-84-0	
1,2-Diphenylhydrazine	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	117-81-7	
Fluoranthene	ND	ug/kg	33.0	1	12/08/09 20:27	12/12/09 04:29	206-44-0	
Fluorene	ND	ug/kg	33.0	1	12/08/09 20:27	12/12/09 04:29	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	87-68-3	
Hexachlorobenzene	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	670	1	12/08/09 20:27	12/12/09 04:29	77-47-4	
Hexachloroethane	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	33.0	1	12/08/09 20:27	12/12/09 04:29	193-39-5	
Isophorone	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	78-59-1	
1-Methylnaphthalene	ND	ug/kg	33.0	1	12/08/09 20:27	12/12/09 04:29	90-12-0	
2-Methylnaphthalene	ND	ug/kg	33.0	1	12/08/09 20:27	12/12/09 04:29	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29		
Naphthalene	ND	ug/kg	33.0	1	12/08/09 20:27	12/12/09 04:29	91-20-3	
2-Nitroaniline	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	88-74-4	
3-Nitroaniline	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	99-09-2	
4-Nitroaniline	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	100-01-6	
Nitrobenzene	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	98-95-3	
2-Nitrophenol	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	88-75-5	
4-Nitrophenol	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	86-30-6	
Pentachlorophenol	ND	ug/kg	670	1	12/08/09 20:27	12/12/09 04:29	87-86-5	
Phenanthrene	ND	ug/kg	33.0	1	12/08/09 20:27	12/12/09 04:29	85-01-8	
Phenol	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	108-95-2	
Pyrene	ND	ug/kg	33.0	1	12/08/09 20:27	12/12/09 04:29	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	170	1	12/08/09 20:27	12/12/09 04:29	88-06-2	
Nitrobenzene-d5 (S)	63	%	10-110	1	12/08/09 20:27	12/12/09 04:29	4165-60-0	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2103-3 Lab ID: 9258741003 Collected: 11/30/09 10:40 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
2-Fluorobiphenyl (S)	71 %		18-110	1	12/08/09 20:27	12/12/09 04:29	321-60-8	
Terphenyl-d14 (S)	79 %		10-123	1	12/08/09 20:27	12/12/09 04:29	1718-51-0	
Phenol-d6 (S)	59 %		10-110	1	12/08/09 20:27	12/12/09 04:29	13127-88-3	
2-Fluorophenol (S)	53 %		18-110	1	12/08/09 20:27	12/12/09 04:29	367-12-4	
2,4,6-Tribromophenol (S)	82 %		10-110	1	12/08/09 20:27	12/12/09 04:29	118-79-6	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Acetone	ND ug/kg		91.4	1		12/04/09 22:51	67-64-1	
Benzene	ND ug/kg		4.6	1		12/04/09 22:51	71-43-2	
Bromobenzene	ND ug/kg		4.6	1		12/04/09 22:51	108-86-1	
Bromochloromethane	ND ug/kg		4.6	1		12/04/09 22:51	74-97-5	
Bromodichloromethane	ND ug/kg		4.6	1		12/04/09 22:51	75-27-4	
Bromoform	ND ug/kg		4.6	1		12/04/09 22:51	75-25-2	
Bromomethane	ND ug/kg		9.1	1		12/04/09 22:51	74-83-9	
2-Butanone (MEK)	ND ug/kg		91.4	1		12/04/09 22:51	78-93-3	
n-Butylbenzene	ND ug/kg		4.6	1		12/04/09 22:51	104-51-8	
sec-Butylbenzene	ND ug/kg		4.6	1		12/04/09 22:51	135-98-8	
tert-Butylbenzene	ND ug/kg		4.6	1		12/04/09 22:51	98-06-6	
Carbon tetrachloride	ND ug/kg		4.6	1		12/04/09 22:51	56-23-5	
Chlorobenzene	ND ug/kg		4.6	1		12/04/09 22:51	108-90-7	
Chloroethane	ND ug/kg		9.1	1		12/04/09 22:51	75-00-3	
Chloroform	ND ug/kg		4.6	1		12/04/09 22:51	67-66-3	
Chloromethane	ND ug/kg		9.1	1		12/04/09 22:51	74-87-3	
2-Chlorotoluene	ND ug/kg		4.6	1		12/04/09 22:51	95-49-8	
4-Chlorotoluene	ND ug/kg		4.6	1		12/04/09 22:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		4.6	1		12/04/09 22:51	96-12-8	
Dibromochloromethane	ND ug/kg		4.6	1		12/04/09 22:51	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.6	1		12/04/09 22:51	106-93-4	
Dibromomethane	ND ug/kg		4.6	1		12/04/09 22:51	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		4.6	1		12/04/09 22:51	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		4.6	1		12/04/09 22:51	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		4.6	1		12/04/09 22:51	106-46-7	
Dichlorodifluoromethane	ND ug/kg		9.1	1		12/04/09 22:51	75-71-8	
1,1-Dichloroethane	ND ug/kg		4.6	1		12/04/09 22:51	75-34-3	
1,2-Dichloroethane	ND ug/kg		4.6	1		12/04/09 22:51	107-06-2	
1,1-Dichloroethene	ND ug/kg		4.6	1		12/04/09 22:51	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		4.6	1		12/04/09 22:51	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		4.6	1		12/04/09 22:51	156-60-5	
1,2-Dichloropropane	ND ug/kg		4.6	1		12/04/09 22:51	78-87-5	
1,3-Dichloropropane	ND ug/kg		4.6	1		12/04/09 22:51	142-28-9	
2,2-Dichloropropane	ND ug/kg		4.6	1		12/04/09 22:51	594-20-7	
1,1-Dichloropropene	ND ug/kg		4.6	1		12/04/09 22:51	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		4.6	1		12/04/09 22:51	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		4.6	1		12/04/09 22:51	10061-02-6	
Diisopropyl ether	ND ug/kg		4.6	1		12/04/09 22:51	108-20-3	
Ethylbenzene	ND ug/kg		4.6	1		12/04/09 22:51	100-41-4	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2103-3 **Lab ID:** 9258741003 **Collected:** 11/30/09 10:40 **Received:** 12/03/09 09:30 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	1		12/04/09 22:51	87-68-3	
2-Hexanone	ND	ug/kg	45.7	1		12/04/09 22:51	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1		12/04/09 22:51	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1		12/04/09 22:51	99-87-6	
Methylene Chloride	ND	ug/kg	18.3	1		12/04/09 22:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	45.7	1		12/04/09 22:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1		12/04/09 22:51	1634-04-4	
Naphthalene	ND	ug/kg	4.6	1		12/04/09 22:51	91-20-3	
n-Propylbenzene	ND	ug/kg	4.6	1		12/04/09 22:51	103-65-1	
Styrene	ND	ug/kg	4.6	1		12/04/09 22:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1		12/04/09 22:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1		12/04/09 22:51	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1		12/04/09 22:51	127-18-4	
Toluene	ND	ug/kg	4.6	1		12/04/09 22:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	1		12/04/09 22:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1		12/04/09 22:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1		12/04/09 22:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1		12/04/09 22:51	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1		12/04/09 22:51	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	1		12/04/09 22:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	1		12/04/09 22:51	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1		12/04/09 22:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1		12/04/09 22:51	108-67-8	
Vinyl acetate	ND	ug/kg	45.7	1		12/04/09 22:51	108-05-4	
Vinyl chloride	ND	ug/kg	9.1	1		12/04/09 22:51	75-01-4	
Xylene (Total)	ND	ug/kg	9.1	1		12/04/09 22:51	1330-20-7	
m&p-Xylene	ND	ug/kg	9.1	1		12/04/09 22:51	1330-20-7	
o-Xylene	ND	ug/kg	4.6	1		12/04/09 22:51	95-47-6	
Dibromofluoromethane (S)	107 %		79-116	1		12/04/09 22:51	1868-53-7	
Toluene-d8 (S)	101 %		88-110	1		12/04/09 22:51	2037-26-5	
4-Bromofluorobenzene (S)	95 %		74-115	1		12/04/09 22:51	460-00-4	
1,2-Dichloroethane-d4 (S)	110 %		69-121	1		12/04/09 22:51	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	11.2 %	0.10	1	12/04/09 09:05
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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2103-4 Lab ID: 9258741004 Collected: 11/30/09 11:42 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND	mg/kg	5.7	1	12/03/09 13:45	12/04/09 03:50	68334-30-5	
n-Pentacosane (S)	59	%	50-135	1	12/03/09 13:45	12/04/09 03:50	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND	mg/kg	11.4	1	12/07/09 11:45	12/10/09 06:35		
Aliphatic (C19-C36)	ND	mg/kg	11.4	1	12/07/09 11:45	12/10/09 06:35		
Aromatic (C11-C22)	ND	mg/kg	11.4	1	12/07/09 11:45	12/10/09 06:35		
Nonatriacontane (S)	69	%	40-140	1	12/07/09 11:45	12/10/09 06:35	7194-86-7	
o-Terphenyl (S)	68	%	40-140	1	12/07/09 11:45	12/10/09 06:35	84-15-1	
2-Fluorobiphenyl (S)	87	%	40-140	1	12/07/09 11:45	12/10/09 06:35	321-60-8	
2-Bromonaphthalene (S)	88	%	40-140	1	12/07/09 11:45	12/10/09 06:35	580-13-2	
Gasoline Range Organics Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND	mg/kg	5.9	1	12/10/09 04:41	12/10/09 20:49	8006-61-9	
4-Bromofluorobenzene (S)	114	%	50-135	1	12/10/09 04:41	12/10/09 20:49	460-00-4	
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND	mg/kg	10.1	1	12/08/09 03:54	12/10/09 01:46		
Aliphatic (C09-C12)	ND	mg/kg	10.1	1	12/08/09 03:54	12/10/09 01:46		
Aromatic (C09-C10)	ND	mg/kg	10.1	1	12/08/09 03:54	12/10/09 01:46		
2,5-Dibromotoluene (PID)(S)	112	%	70-130	1	12/08/09 03:54	12/10/09 01:46		
2,5-Dibromotoluene (FID)(S)	104	%	70-130	1	12/08/09 03:54	12/10/09 01:46		
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
Acenaphthene	ND	ug/kg	32.9	1	12/08/09 20:27	12/12/09 04:55	83-32-9	
Acenaphthylene	ND	ug/kg	32.9	1	12/08/09 20:27	12/12/09 04:55	208-96-8	
Anthracene	ND	ug/kg	32.9	1	12/08/09 20:27	12/12/09 04:55	120-12-7	
Benzo(a)anthracene	ND	ug/kg	32.9	1	12/08/09 20:27	12/12/09 04:55	56-55-3	
Benzo(a)pyrene	ND	ug/kg	32.9	1	12/08/09 20:27	12/12/09 04:55	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	32.9	1	12/08/09 20:27	12/12/09 04:55	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	32.9	1	12/08/09 20:27	12/12/09 04:55	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	32.9	1	12/08/09 20:27	12/12/09 04:55	207-08-9	
4-Bromophenylphenyl ether	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	101-55-3	
Butylbenzylphthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	668	1	12/08/09 20:27	12/12/09 04:55	59-50-7	
4-Chloroaniline	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	108-60-1	
2-Chloronaphthalene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	91-58-7	
2-Chlorophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	7005-72-3	
Chrysene	ND	ug/kg	32.9	1	12/08/09 20:27	12/12/09 04:55	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	32.9	1	12/08/09 20:27	12/12/09 04:55	53-70-3	
Dibenzofuran	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	132-64-9	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2103-4 Lab ID: 9258741004 Collected: 11/30/09 11:42 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
1,2-Dichlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	668	1	12/08/09 20:27	12/12/09 04:55	91-94-1	L1
2,4-Dichlorophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	120-83-2	
Diethylphthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	105-67-9	
Dimethylphthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	131-11-3	
Di-n-butylphthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	668	1	12/08/09 20:27	12/12/09 04:55	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	668	1	12/08/09 20:27	12/12/09 04:55	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	606-20-2	
Di-n-octylphthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	117-84-0	
1,2-Diphenylhydrazine	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	117-81-7	
Fluoranthene	ND	ug/kg	32.9	1	12/08/09 20:27	12/12/09 04:55	206-44-0	
Fluorene	ND	ug/kg	32.9	1	12/08/09 20:27	12/12/09 04:55	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	87-68-3	
Hexachlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	668	1	12/08/09 20:27	12/12/09 04:55	77-47-4	
Hexachloroethane	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	32.9	1	12/08/09 20:27	12/12/09 04:55	193-39-5	
Isophorone	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	78-59-1	
1-Methylnaphthalene	ND	ug/kg	32.9	1	12/08/09 20:27	12/12/09 04:55	90-12-0	
2-Methylnaphthalene	ND	ug/kg	32.9	1	12/08/09 20:27	12/12/09 04:55	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55		
Naphthalene	ND	ug/kg	32.9	1	12/08/09 20:27	12/12/09 04:55	91-20-3	
2-Nitroaniline	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	88-74-4	
3-Nitroaniline	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	99-09-2	
4-Nitroaniline	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	100-01-6	
Nitrobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	98-95-3	
2-Nitrophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	88-75-5	
4-Nitrophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	86-30-6	
Pentachlorophenol	ND	ug/kg	668	1	12/08/09 20:27	12/12/09 04:55	87-86-5	
Phenanthrene	ND	ug/kg	32.9	1	12/08/09 20:27	12/12/09 04:55	85-01-8	
Phenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	108-95-2	
Pyrene	ND	ug/kg	32.9	1	12/08/09 20:27	12/12/09 04:55	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 04:55	88-06-2	
Nitrobenzene-d5 (S)	64 %		10-110	1	12/08/09 20:27	12/12/09 04:55	4165-60-0	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2103-4 Lab ID: 9258741004 Collected: 11/30/09 11:42 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
2-Fluorobiphenyl (S)	68 %		18-110	1	12/08/09 20:27	12/12/09 04:55	321-60-8	
Terphenyl-d14 (S)	85 %		10-123	1	12/08/09 20:27	12/12/09 04:55	1718-51-0	
Phenol-d6 (S)	59 %		10-110	1	12/08/09 20:27	12/12/09 04:55	13127-88-3	
2-Fluorophenol (S)	59 %		18-110	1	12/08/09 20:27	12/12/09 04:55	367-12-4	
2,4,6-Tribromophenol (S)	81 %		10-110	1	12/08/09 20:27	12/12/09 04:55	118-79-6	
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Acetone	ND ug/kg		95.9	1		12/04/09 23:09	67-64-1	
Benzene	ND ug/kg		4.8	1		12/04/09 23:09	71-43-2	
Bromobenzene	ND ug/kg		4.8	1		12/04/09 23:09	108-86-1	
Bromochloromethane	ND ug/kg		4.8	1		12/04/09 23:09	74-97-5	
Bromodichloromethane	ND ug/kg		4.8	1		12/04/09 23:09	75-27-4	
Bromoform	ND ug/kg		4.8	1		12/04/09 23:09	75-25-2	
Bromomethane	ND ug/kg		9.6	1		12/04/09 23:09	74-83-9	
2-Butanone (MEK)	ND ug/kg		95.9	1		12/04/09 23:09	78-93-3	
n-Butylbenzene	ND ug/kg		4.8	1		12/04/09 23:09	104-51-8	
sec-Butylbenzene	ND ug/kg		4.8	1		12/04/09 23:09	135-98-8	
tert-Butylbenzene	ND ug/kg		4.8	1		12/04/09 23:09	98-06-6	
Carbon tetrachloride	ND ug/kg		4.8	1		12/04/09 23:09	56-23-5	
Chlorobenzene	ND ug/kg		4.8	1		12/04/09 23:09	108-90-7	
Chloroethane	ND ug/kg		9.6	1		12/04/09 23:09	75-00-3	
Chloroform	ND ug/kg		4.8	1		12/04/09 23:09	67-66-3	
Chloromethane	ND ug/kg		9.6	1		12/04/09 23:09	74-87-3	
2-Chlorotoluene	ND ug/kg		4.8	1		12/04/09 23:09	95-49-8	
4-Chlorotoluene	ND ug/kg		4.8	1		12/04/09 23:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		4.8	1		12/04/09 23:09	96-12-8	
Dibromochloromethane	ND ug/kg		4.8	1		12/04/09 23:09	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.8	1		12/04/09 23:09	106-93-4	
Dibromomethane	ND ug/kg		4.8	1		12/04/09 23:09	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		4.8	1		12/04/09 23:09	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		4.8	1		12/04/09 23:09	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		4.8	1		12/04/09 23:09	106-46-7	
Dichlorodifluoromethane	ND ug/kg		9.6	1		12/04/09 23:09	75-71-8	
1,1-Dichloroethane	ND ug/kg		4.8	1		12/04/09 23:09	75-34-3	
1,2-Dichloroethane	ND ug/kg		4.8	1		12/04/09 23:09	107-06-2	
1,1-Dichloroethene	ND ug/kg		4.8	1		12/04/09 23:09	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		4.8	1		12/04/09 23:09	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		4.8	1		12/04/09 23:09	156-60-5	
1,2-Dichloropropane	ND ug/kg		4.8	1		12/04/09 23:09	78-87-5	
1,3-Dichloropropane	ND ug/kg		4.8	1		12/04/09 23:09	142-28-9	
2,2-Dichloropropane	ND ug/kg		4.8	1		12/04/09 23:09	594-20-7	
1,1-Dichloropropene	ND ug/kg		4.8	1		12/04/09 23:09	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		4.8	1		12/04/09 23:09	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		4.8	1		12/04/09 23:09	10061-02-6	
Diisopropyl ether	ND ug/kg		4.8	1		12/04/09 23:09	108-20-3	
Ethylbenzene	ND ug/kg		4.8	1		12/04/09 23:09	100-41-4	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2103-4 Lab ID: 9258741004 Collected: 11/30/09 11:42 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Hexachloro-1,3-butadiene	ND	ug/kg	4.8	1		12/04/09 23:09	87-68-3	
2-Hexanone	ND	ug/kg	48.0	1		12/04/09 23:09	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.8	1		12/04/09 23:09	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.8	1		12/04/09 23:09	99-87-6	
Methylene Chloride	ND	ug/kg	19.2	1		12/04/09 23:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	48.0	1		12/04/09 23:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.8	1		12/04/09 23:09	1634-04-4	
Naphthalene	ND	ug/kg	4.8	1		12/04/09 23:09	91-20-3	
n-Propylbenzene	ND	ug/kg	4.8	1		12/04/09 23:09	103-65-1	
Styrene	ND	ug/kg	4.8	1		12/04/09 23:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.8	1		12/04/09 23:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	1		12/04/09 23:09	79-34-5	
Tetrachloroethene	ND	ug/kg	4.8	1		12/04/09 23:09	127-18-4	
Toluene	ND	ug/kg	4.8	1		12/04/09 23:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	1		12/04/09 23:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	1		12/04/09 23:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.8	1		12/04/09 23:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.8	1		12/04/09 23:09	79-00-5	
Trichloroethene	ND	ug/kg	4.8	1		12/04/09 23:09	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.8	1		12/04/09 23:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.8	1		12/04/09 23:09	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.8	1		12/04/09 23:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.8	1		12/04/09 23:09	108-67-8	
Vinyl acetate	ND	ug/kg	48.0	1		12/04/09 23:09	108-05-4	
Vinyl chloride	ND	ug/kg	9.6	1		12/04/09 23:09	75-01-4	
Xylene (Total)	ND	ug/kg	9.6	1		12/04/09 23:09	1330-20-7	
m&p-Xylene	ND	ug/kg	9.6	1		12/04/09 23:09	1330-20-7	
o-Xylene	ND	ug/kg	4.8	1		12/04/09 23:09	95-47-6	
Dibromofluoromethane (S)	105 %		79-116	1		12/04/09 23:09	1868-53-7	
Toluene-d8 (S)	100 %		88-110	1		12/04/09 23:09	2037-26-5	
4-Bromofluorobenzene (S)	94 %		74-115	1		12/04/09 23:09	460-00-4	
1,2-Dichloroethane-d4 (S)	107 %		69-121	1		12/04/09 23:09	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	12.3 %	0.10	1	12/04/09 09:06
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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2103-B-9.5 **Lab ID:** 9258741005 **Collected:** 11/30/09 12:10 **Received:** 12/03/09 09:30 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	356 mg/kg		5.8	1	12/03/09 13:45	12/04/09 08:50	68334-30-5	
n-Pentacosane (S)	120 %		50-135	1	12/03/09 13:45	12/04/09 08:50	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	257 mg/kg		116	10	12/07/09 11:45	12/11/09 15:50		
Aliphatic (C19-C36)	ND mg/kg		116	10	12/07/09 11:45	12/11/09 15:50		
Aromatic (C11-C22)	180 mg/kg		23.1	2	12/07/09 11:45	12/10/09 20:24		
Nonatriacontane (S)	0 %		40-140	10	12/07/09 11:45	12/11/09 15:50	7194-86-7	S4
o-Terphenyl (S)	160 %		40-140	2	12/07/09 11:45	12/10/09 20:24	84-15-1	S5
2-Fluorobiphenyl (S)	152 %		40-140	2	12/07/09 11:45	12/10/09 20:24	321-60-8	S5
2-Bromonaphthalene (S)	212 %		40-140	2	12/07/09 11:45	12/10/09 20:24	580-13-2	S5
Gasoline Range Organics Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		5.7	1	12/10/09 04:41	12/10/09 21:38	8006-61-9	
4-Bromofluorobenzene (S)	98 %		50-135	1	12/10/09 04:41	12/10/09 21:38	460-00-4	
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		8.5	1	12/08/09 03:54	12/10/09 02:10		
Aliphatic (C09-C12)	ND mg/kg		8.5	1	12/08/09 03:54	12/10/09 02:10		
Aromatic (C09-C10)	ND mg/kg		8.5	1	12/08/09 03:54	12/10/09 02:10		
2,5-Dibromotoluene (PID)(S)	139 %		70-130	1	12/08/09 03:54	12/10/09 02:10		S3
2,5-Dibromotoluene (FID)(S)	138 %		70-130	1	12/08/09 03:54	12/10/09 02:10		S3
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
Acenaphthene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 05:21	83-32-9	
Acenaphthylene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 05:21	208-96-8	
Anthracene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 05:21	120-12-7	
Benzo(a)anthracene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 05:21	56-55-3	
Benzo(a)pyrene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 05:21	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 05:21	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 05:21	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 05:21	207-08-9	
4-Bromophenylphenyl ether	ND ug/kg		169	1	12/08/09 20:27	12/12/09 05:21	101-55-3	
Butylbenzylphthalate	ND ug/kg		169	1	12/08/09 20:27	12/12/09 05:21	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		666	1	12/08/09 20:27	12/12/09 05:21	59-50-7	
4-Chloroaniline	ND ug/kg		169	1	12/08/09 20:27	12/12/09 05:21	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		169	1	12/08/09 20:27	12/12/09 05:21	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		169	1	12/08/09 20:27	12/12/09 05:21	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		169	1	12/08/09 20:27	12/12/09 05:21	108-60-1	
2-Chloronaphthalene	ND ug/kg		169	1	12/08/09 20:27	12/12/09 05:21	91-58-7	
2-Chlorophenol	ND ug/kg		169	1	12/08/09 20:27	12/12/09 05:21	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		169	1	12/08/09 20:27	12/12/09 05:21	7005-72-3	
Chrysene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 05:21	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 05:21	53-70-3	
Dibenzofuran	ND ug/kg		169	1	12/08/09 20:27	12/12/09 05:21	132-64-9	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2103-B-9.5 Lab ID: 9258741005 Collected: 11/30/09 12:10 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
1,2-Dichlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	666	1	12/08/09 20:27	12/12/09 05:21	91-94-1	L1
2,4-Dichlorophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	120-83-2	
Diethylphthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	105-67-9	
Dimethylphthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	131-11-3	
Di-n-butylphthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	666	1	12/08/09 20:27	12/12/09 05:21	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	666	1	12/08/09 20:27	12/12/09 05:21	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	606-20-2	
Di-n-octylphthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	117-84-0	
1,2-Diphenylhydrazine	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	117-81-7	
Fluoranthene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:21	206-44-0	
Fluorene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:21	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	87-68-3	
Hexachlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	666	1	12/08/09 20:27	12/12/09 05:21	77-47-4	
Hexachloroethane	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:21	193-39-5	
Isophorone	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	78-59-1	
1-Methylnaphthalene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:21	90-12-0	
2-Methylnaphthalene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:21	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21		
Naphthalene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:21	91-20-3	
2-Nitroaniline	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	88-74-4	
3-Nitroaniline	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	99-09-2	
4-Nitroaniline	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	100-01-6	
Nitrobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	98-95-3	
2-Nitrophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	88-75-5	
4-Nitrophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	86-30-6	
Pentachlorophenol	ND	ug/kg	666	1	12/08/09 20:27	12/12/09 05:21	87-86-5	
Phenanthrene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:21	85-01-8	
Phenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	108-95-2	IS
Pyrene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:21	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:21	88-06-2	
Nitrobenzene-d5 (S)	71 %		10-110	1	12/08/09 20:27	12/12/09 05:21	4165-60-0	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2103-B-9.5 Lab ID: 9258741005 Collected: 11/30/09 12:10 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
2-Fluorobiphenyl (S)	76 %		18-110	1	12/08/09 20:27	12/12/09 05:21	321-60-8	
Terphenyl-d14 (S)	88 %		10-123	1	12/08/09 20:27	12/12/09 05:21	1718-51-0	
Phenol-d6 (S)	64 %		10-110	1	12/08/09 20:27	12/12/09 05:21	13127-88-3	
2-Fluorophenol (S)	66 %		18-110	1	12/08/09 20:27	12/12/09 05:21	367-12-4	
2,4,6-Tribromophenol (S)	83 %		10-110	1	12/08/09 20:27	12/12/09 05:21	118-79-6	
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Acetone	ND ug/kg		3910	50		12/05/09 12:51	67-64-1	
Benzene	ND ug/kg		195	50		12/05/09 12:51	71-43-2	
Bromobenzene	ND ug/kg		195	50		12/05/09 12:51	108-86-1	
Bromochloromethane	ND ug/kg		195	50		12/05/09 12:51	74-97-5	
Bromodichloromethane	ND ug/kg		195	50		12/05/09 12:51	75-27-4	
Bromoform	ND ug/kg		195	50		12/05/09 12:51	75-25-2	
Bromomethane	ND ug/kg		391	50		12/05/09 12:51	74-83-9	
2-Butanone (MEK)	ND ug/kg		3910	50		12/05/09 12:51	78-93-3	
n-Butylbenzene	ND ug/kg		195	50		12/05/09 12:51	104-51-8	
sec-Butylbenzene	ND ug/kg		195	50		12/05/09 12:51	135-98-8	
tert-Butylbenzene	ND ug/kg		195	50		12/05/09 12:51	98-06-6	
Carbon tetrachloride	ND ug/kg		195	50		12/05/09 12:51	56-23-5	
Chlorobenzene	ND ug/kg		195	50		12/05/09 12:51	108-90-7	
Chloroethane	ND ug/kg		391	50		12/05/09 12:51	75-00-3	
Chloroform	ND ug/kg		195	50		12/05/09 12:51	67-66-3	
Chloromethane	ND ug/kg		391	50		12/05/09 12:51	74-87-3	
2-Chlorotoluene	ND ug/kg		195	50		12/05/09 12:51	95-49-8	
4-Chlorotoluene	ND ug/kg		195	50		12/05/09 12:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		195	50		12/05/09 12:51	96-12-8	
Dibromochloromethane	ND ug/kg		195	50		12/05/09 12:51	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		195	50		12/05/09 12:51	106-93-4	
Dibromomethane	ND ug/kg		195	50		12/05/09 12:51	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		195	50		12/05/09 12:51	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		195	50		12/05/09 12:51	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		195	50		12/05/09 12:51	106-46-7	
Dichlorodifluoromethane	ND ug/kg		391	50		12/05/09 12:51	75-71-8	
1,1-Dichloroethane	ND ug/kg		195	50		12/05/09 12:51	75-34-3	
1,2-Dichloroethane	ND ug/kg		195	50		12/05/09 12:51	107-06-2	
1,1-Dichloroethene	ND ug/kg		195	50		12/05/09 12:51	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		195	50		12/05/09 12:51	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		195	50		12/05/09 12:51	156-60-5	
1,2-Dichloropropane	ND ug/kg		195	50		12/05/09 12:51	78-87-5	
1,3-Dichloropropane	ND ug/kg		195	50		12/05/09 12:51	142-28-9	
2,2-Dichloropropane	ND ug/kg		195	50		12/05/09 12:51	594-20-7	
1,1-Dichloropropene	ND ug/kg		195	50		12/05/09 12:51	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		195	50		12/05/09 12:51	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		195	50		12/05/09 12:51	10061-02-6	
Diisopropyl ether	ND ug/kg		195	50		12/05/09 12:51	108-20-3	
Ethylbenzene	ND ug/kg		195	50		12/05/09 12:51	100-41-4	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2103-B-9.5 **Lab ID:** 9258741005 **Collected:** 11/30/09 12:10 **Received:** 12/03/09 09:30 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Hexachloro-1,3-butadiene	ND	ug/kg	195	50		12/05/09 12:51	87-68-3	
2-Hexanone	ND	ug/kg	1950	50		12/05/09 12:51	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	195	50		12/05/09 12:51	98-82-8	
p-Isopropyltoluene	ND	ug/kg	195	50		12/05/09 12:51	99-87-6	
Methylene Chloride	ND	ug/kg	782	50		12/05/09 12:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	1950	50		12/05/09 12:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	195	50		12/05/09 12:51	1634-04-4	
Naphthalene	206	ug/kg	195	50		12/05/09 12:51	91-20-3	
n-Propylbenzene	ND	ug/kg	195	50		12/05/09 12:51	103-65-1	
Styrene	ND	ug/kg	195	50		12/05/09 12:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	195	50		12/05/09 12:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	195	50		12/05/09 12:51	79-34-5	
Tetrachloroethene	ND	ug/kg	195	50		12/05/09 12:51	127-18-4	
Toluene	ND	ug/kg	195	50		12/05/09 12:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	195	50		12/05/09 12:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	195	50		12/05/09 12:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	195	50		12/05/09 12:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	195	50		12/05/09 12:51	79-00-5	
Trichloroethene	ND	ug/kg	195	50		12/05/09 12:51	79-01-6	
Trichlorofluoromethane	ND	ug/kg	195	50		12/05/09 12:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	195	50		12/05/09 12:51	96-18-4	
1,2,4-Trimethylbenzene	202	ug/kg	195	50		12/05/09 12:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	195	50		12/05/09 12:51	108-67-8	
Vinyl acetate	ND	ug/kg	1950	50		12/05/09 12:51	108-05-4	
Vinyl chloride	ND	ug/kg	391	50		12/05/09 12:51	75-01-4	
Xylene (Total)	ND	ug/kg	391	50		12/05/09 12:51	1330-20-7	
m&p-Xylene	ND	ug/kg	391	50		12/05/09 12:51	1330-20-7	
o-Xylene	ND	ug/kg	195	50		12/05/09 12:51	95-47-6	
Dibromofluoromethane (S)	94 %		79-116	50		12/05/09 12:51	1868-53-7	D3
Toluene-d8 (S)	99 %		88-110	50		12/05/09 12:51	2037-26-5	
4-Bromofluorobenzene (S)	97 %		74-115	50		12/05/09 12:51	460-00-4	
1,2-Dichloroethane-d4 (S)	93 %		69-121	50		12/05/09 12:51	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	13.5 %	0.10	1	12/04/09 09:06
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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

Sample: TT-2089-1 Lab ID: 9258741006 Collected: 12/01/09 14:15 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND	mg/kg	6.1	1	12/03/09 13:45	12/04/09 08:50	68334-30-5	
n-Pentacosane (S)	64	%	50-135	1	12/03/09 13:45	12/04/09 08:50	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND	mg/kg	12.1	1	12/07/09 11:45	12/10/09 07:42		
Aliphatic (C19-C36)	ND	mg/kg	12.1	1	12/07/09 11:45	12/10/09 07:42		
Aromatic (C11-C22)	ND	mg/kg	12.1	1	12/07/09 11:45	12/10/09 07:42		
Nonatriacontane (S)	76	%	40-140	1	12/07/09 11:45	12/10/09 07:42	7194-86-7	
o-Terphenyl (S)	88	%	40-140	1	12/07/09 11:45	12/10/09 07:42	84-15-1	
2-Fluorobiphenyl (S)	102	%	40-140	1	12/07/09 11:45	12/10/09 07:42	321-60-8	
2-Bromonaphthalene (S)	103	%	40-140	1	12/07/09 11:45	12/10/09 07:42	580-13-2	
Gasoline Range Organics Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND	mg/kg	6.1	1	12/10/09 04:41	12/10/09 22:02	8006-61-9	
4-Bromofluorobenzene (S)	79	%	50-135	1	12/10/09 04:41	12/10/09 22:02	460-00-4	
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND	mg/kg	11.8	1	12/08/09 03:54	12/10/09 02:35		
Aliphatic (C09-C12)	ND	mg/kg	11.8	1	12/08/09 03:54	12/10/09 02:35		
Aromatic (C09-C10)	ND	mg/kg	11.8	1	12/08/09 03:54	12/10/09 02:35		
2,5-Dibromotoluene (PID)(S)	150	%	70-130	1	12/08/09 03:54	12/10/09 02:35		S3
2,5-Dibromotoluene (FID)(S)	156	%	70-130	1	12/08/09 03:54	12/10/09 02:35		S3
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
Acenaphthene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:48	83-32-9	
Acenaphthylene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:48	208-96-8	
Anthracene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:48	120-12-7	
Benzo(a)anthracene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:48	56-55-3	
Benzo(a)pyrene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:48	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:48	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:48	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:48	207-08-9	
4-Bromophenylphenyl ether	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	101-55-3	
Butylbenzylphthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	666	1	12/08/09 20:27	12/12/09 05:48	59-50-7	
4-Chloroaniline	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	108-60-1	
2-Chloronaphthalene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	91-58-7	
2-Chlorophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	7005-72-3	
Chrysene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:48	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:48	53-70-3	
Dibenzofuran	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	132-64-9	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2089-1 Lab ID: 9258741006 Collected: 12/01/09 14:15 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
1,2-Dichlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	666	1	12/08/09 20:27	12/12/09 05:48	91-94-1	L1
2,4-Dichlorophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	120-83-2	
Diethylphthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	105-67-9	
Dimethylphthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	131-11-3	
Di-n-butylphthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	666	1	12/08/09 20:27	12/12/09 05:48	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	666	1	12/08/09 20:27	12/12/09 05:48	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	606-20-2	
Di-n-octylphthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	117-84-0	
1,2-Diphenylhydrazine	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	117-81-7	
Fluoranthene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:48	206-44-0	
Fluorene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:48	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	87-68-3	
Hexachlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	666	1	12/08/09 20:27	12/12/09 05:48	77-47-4	
Hexachloroethane	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:48	193-39-5	
Isophorone	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	78-59-1	
1-Methylnaphthalene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:48	90-12-0	
2-Methylnaphthalene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:48	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48		
Naphthalene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:48	91-20-3	
2-Nitroaniline	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	88-74-4	
3-Nitroaniline	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	99-09-2	
4-Nitroaniline	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	100-01-6	
Nitrobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	98-95-3	
2-Nitrophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	88-75-5	
4-Nitrophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	86-30-6	
Pentachlorophenol	ND	ug/kg	666	1	12/08/09 20:27	12/12/09 05:48	87-86-5	
Phenanthrene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:48	85-01-8	
Phenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	108-95-2	
Pyrene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 05:48	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 05:48	88-06-2	
Nitrobenzene-d5 (S)	76 %		10-110	1	12/08/09 20:27	12/12/09 05:48	4165-60-0	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2089-1 Lab ID: 9258741006 Collected: 12/01/09 14:15 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
2-Fluorobiphenyl (S)	79 %		18-110	1	12/08/09 20:27	12/12/09 05:48	321-60-8	
Terphenyl-d14 (S)	84 %		10-123	1	12/08/09 20:27	12/12/09 05:48	1718-51-0	
Phenol-d6 (S)	66 %		10-110	1	12/08/09 20:27	12/12/09 05:48	13127-88-3	
2-Fluorophenol (S)	59 %		18-110	1	12/08/09 20:27	12/12/09 05:48	367-12-4	
2,4,6-Tribromophenol (S)	90 %		10-110	1	12/08/09 20:27	12/12/09 05:48	118-79-6	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Acetone	ND ug/kg		45.9	1		12/04/09 23:27	67-64-1	
Benzene	ND ug/kg		2.3	1		12/04/09 23:27	71-43-2	
Bromobenzene	ND ug/kg		2.3	1		12/04/09 23:27	108-86-1	
Bromochloromethane	ND ug/kg		2.3	1		12/04/09 23:27	74-97-5	
Bromodichloromethane	ND ug/kg		2.3	1		12/04/09 23:27	75-27-4	
Bromoform	ND ug/kg		2.3	1		12/04/09 23:27	75-25-2	
Bromomethane	ND ug/kg		4.6	1		12/04/09 23:27	74-83-9	
2-Butanone (MEK)	ND ug/kg		45.9	1		12/04/09 23:27	78-93-3	
n-Butylbenzene	ND ug/kg		2.3	1		12/04/09 23:27	104-51-8	
sec-Butylbenzene	ND ug/kg		2.3	1		12/04/09 23:27	135-98-8	
tert-Butylbenzene	ND ug/kg		2.3	1		12/04/09 23:27	98-06-6	
Carbon tetrachloride	ND ug/kg		2.3	1		12/04/09 23:27	56-23-5	
Chlorobenzene	ND ug/kg		2.3	1		12/04/09 23:27	108-90-7	
Chloroethane	ND ug/kg		4.6	1		12/04/09 23:27	75-00-3	
Chloroform	ND ug/kg		2.3	1		12/04/09 23:27	67-66-3	
Chloromethane	ND ug/kg		4.6	1		12/04/09 23:27	74-87-3	
2-Chlorotoluene	ND ug/kg		2.3	1		12/04/09 23:27	95-49-8	
4-Chlorotoluene	ND ug/kg		2.3	1		12/04/09 23:27	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		2.3	1		12/04/09 23:27	96-12-8	
Dibromochloromethane	ND ug/kg		2.3	1		12/04/09 23:27	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		2.3	1		12/04/09 23:27	106-93-4	
Dibromomethane	ND ug/kg		2.3	1		12/04/09 23:27	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		2.3	1		12/04/09 23:27	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		2.3	1		12/04/09 23:27	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		2.3	1		12/04/09 23:27	106-46-7	
Dichlorodifluoromethane	ND ug/kg		4.6	1		12/04/09 23:27	75-71-8	
1,1-Dichloroethane	ND ug/kg		2.3	1		12/04/09 23:27	75-34-3	
1,2-Dichloroethane	ND ug/kg		2.3	1		12/04/09 23:27	107-06-2	
1,1-Dichloroethene	ND ug/kg		2.3	1		12/04/09 23:27	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		2.3	1		12/04/09 23:27	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		2.3	1		12/04/09 23:27	156-60-5	
1,2-Dichloropropane	ND ug/kg		2.3	1		12/04/09 23:27	78-87-5	
1,3-Dichloropropane	ND ug/kg		2.3	1		12/04/09 23:27	142-28-9	
2,2-Dichloropropane	ND ug/kg		2.3	1		12/04/09 23:27	594-20-7	
1,1-Dichloropropene	ND ug/kg		2.3	1		12/04/09 23:27	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		2.3	1		12/04/09 23:27	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		2.3	1		12/04/09 23:27	10061-02-6	
Diisopropyl ether	ND ug/kg		2.3	1		12/04/09 23:27	108-20-3	
Ethylbenzene	ND ug/kg		2.3	1		12/04/09 23:27	100-41-4	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2089-1 Lab ID: 9258741006 Collected: 12/01/09 14:15 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Hexachloro-1,3-butadiene	ND	ug/kg	2.3	1		12/04/09 23:27	87-68-3	
2-Hexanone	ND	ug/kg	22.9	1		12/04/09 23:27	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	2.3	1		12/04/09 23:27	98-82-8	
p-Isopropyltoluene	ND	ug/kg	2.3	1		12/04/09 23:27	99-87-6	
Methylene Chloride	ND	ug/kg	9.2	1		12/04/09 23:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	22.9	1		12/04/09 23:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	2.3	1		12/04/09 23:27	1634-04-4	
Naphthalene	ND	ug/kg	2.3	1		12/04/09 23:27	91-20-3	
n-Propylbenzene	ND	ug/kg	2.3	1		12/04/09 23:27	103-65-1	
Styrene	ND	ug/kg	2.3	1		12/04/09 23:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.3	1		12/04/09 23:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.3	1		12/04/09 23:27	79-34-5	
Tetrachloroethene	ND	ug/kg	2.3	1		12/04/09 23:27	127-18-4	
Toluene	ND	ug/kg	2.3	1		12/04/09 23:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	2.3	1		12/04/09 23:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	2.3	1		12/04/09 23:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	2.3	1		12/04/09 23:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	2.3	1		12/04/09 23:27	79-00-5	
Trichloroethene	ND	ug/kg	2.3	1		12/04/09 23:27	79-01-6	
Trichlorofluoromethane	ND	ug/kg	2.3	1		12/04/09 23:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	2.3	1		12/04/09 23:27	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	2.3	1		12/04/09 23:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	2.3	1		12/04/09 23:27	108-67-8	
Vinyl acetate	ND	ug/kg	22.9	1		12/04/09 23:27	108-05-4	
Vinyl chloride	ND	ug/kg	4.6	1		12/04/09 23:27	75-01-4	
Xylene (Total)	ND	ug/kg	4.6	1		12/04/09 23:27	1330-20-7	
m&p-Xylene	ND	ug/kg	4.6	1		12/04/09 23:27	1330-20-7	
o-Xylene	ND	ug/kg	2.3	1		12/04/09 23:27	95-47-6	
Dibromofluoromethane (S)	109 %		79-116	1		12/04/09 23:27	1868-53-7	
Toluene-d8 (S)	100 %		88-110	1		12/04/09 23:27	2037-26-5	
4-Bromofluorobenzene (S)	93 %		74-115	1		12/04/09 23:27	460-00-4	
1,2-Dichloroethane-d4 (S)	125 %		69-121	1		12/04/09 23:27	17060-07-0	S3

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	17.5 %	0.10	1	12/04/09 09:07
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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2089-2 Lab ID: 9258741007 Collected: 12/01/09 10:50 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND	mg/kg	5.6	1	12/03/09 13:45	12/04/09 09:19	68334-30-5	
n-Pentacosane (S)	76	%	50-135	1	12/03/09 13:45	12/04/09 09:19	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND	mg/kg	11.2	1	12/07/09 11:45	12/10/09 08:15		
Aliphatic (C19-C36)	ND	mg/kg	11.2	1	12/07/09 11:45	12/10/09 08:15		
Aromatic (C11-C22)	ND	mg/kg	11.2	1	12/07/09 11:45	12/10/09 08:15		
Nonatriacontane (S)	82	%	40-140	1	12/07/09 11:45	12/10/09 08:15	7194-86-7	
o-Terphenyl (S)	91	%	40-140	1	12/07/09 11:45	12/10/09 08:15	84-15-1	
2-Fluorobiphenyl (S)	102	%	40-140	1	12/07/09 11:45	12/10/09 08:15	321-60-8	
2-Bromonaphthalene (S)	104	%	40-140	1	12/07/09 11:45	12/10/09 08:15	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	12/10/09 04:41	12/10/09 22:27	8006-61-9	
4-Bromofluorobenzene (S)	118	%	50-135	1	12/10/09 04:41	12/10/09 22:27	460-00-4	
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND	mg/kg	8.4	1	12/08/09 03:54	12/10/09 02:59		
Aliphatic (C09-C12)	ND	mg/kg	8.4	1	12/08/09 03:54	12/10/09 02:59		
Aromatic (C09-C10)	ND	mg/kg	8.4	1	12/08/09 03:54	12/10/09 02:59		
2,5-Dibromotoluene (PID)(S)	106	%	70-130	1	12/08/09 03:54	12/10/09 02:59		
2,5-Dibromotoluene (FID)(S)	103	%	70-130	1	12/08/09 03:54	12/10/09 02:59		
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
Acenaphthene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 06:14	83-32-9	
Acenaphthylene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 06:14	208-96-8	
Anthracene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 06:14	120-12-7	
Benzo(a)anthracene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 06:14	56-55-3	
Benzo(a)pyrene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 06:14	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 06:14	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 06:14	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 06:14	207-08-9	
4-Bromophenylphenyl ether	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 06:14	101-55-3	
Butylbenzylphthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 06:14	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	666	1	12/08/09 20:27	12/12/09 06:14	59-50-7	
4-Chloroaniline	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 06:14	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 06:14	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 06:14	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 06:14	108-60-1	
2-Chloronaphthalene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 06:14	91-58-7	
2-Chlorophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 06:14	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 06:14	7005-72-3	
Chrysene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 06:14	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 06:14	53-70-3	
Dibenzofuran	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 06:14	132-64-9	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2089-2 Lab ID: 9258741007 Collected: 12/01/09 10:50 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
1,2-Dichlorobenzene	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	106-46-7	
3,3'-Dichlorobenzidine	ND ug/kg		666	1	12/08/09 20:27	12/12/09 06:14	91-94-1	L1
2,4-Dichlorophenol	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	120-83-2	
Diethylphthalate	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	84-66-2	
2,4-Dimethylphenol	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	105-67-9	
Dimethylphthalate	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	131-11-3	
Di-n-butylphthalate	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		666	1	12/08/09 20:27	12/12/09 06:14	534-52-1	
2,4-Dinitrophenol	ND ug/kg		666	1	12/08/09 20:27	12/12/09 06:14	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	606-20-2	
Di-n-octylphthalate	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	117-84-0	
1,2-Diphenylhydrazine	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	122-66-7	
bis(2-Ethylhexyl)phthalate	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	117-81-7	
Fluoranthene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 06:14	206-44-0	
Fluorene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 06:14	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	87-68-3	
Hexachlorobenzene	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		666	1	12/08/09 20:27	12/12/09 06:14	77-47-4	
Hexachloroethane	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 06:14	193-39-5	
Isophorone	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	78-59-1	
1-Methylnaphthalene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 06:14	90-12-0	
2-Methylnaphthalene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 06:14	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14		
Naphthalene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 06:14	91-20-3	
2-Nitroaniline	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	88-74-4	
3-Nitroaniline	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	99-09-2	
4-Nitroaniline	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	100-01-6	
Nitrobenzene	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	98-95-3	
2-Nitrophenol	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	88-75-5	
4-Nitrophenol	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	100-02-7	
N-Nitrosodimethylamine	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	86-30-6	
Pentachlorophenol	ND ug/kg		666	1	12/08/09 20:27	12/12/09 06:14	87-86-5	
Phenanthrene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 06:14	85-01-8	
Phenol	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	108-95-2	
Pyrene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 06:14	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		169	1	12/08/09 20:27	12/12/09 06:14	88-06-2	
Nitrobenzene-d5 (S)	70 %		10-110	1	12/08/09 20:27	12/12/09 06:14	4165-60-0	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2089-2 **Lab ID:** 9258741007 **Collected:** 12/01/09 10:50 **Received:** 12/03/09 09:30 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
2-Fluorobiphenyl (S)	74 %		18-110	1	12/08/09 20:27	12/12/09 06:14	321-60-8	
Terphenyl-d14 (S)	84 %		10-123	1	12/08/09 20:27	12/12/09 06:14	1718-51-0	
Phenol-d6 (S)	65 %		10-110	1	12/08/09 20:27	12/12/09 06:14	13127-88-3	
2-Fluorophenol (S)	65 %		18-110	1	12/08/09 20:27	12/12/09 06:14	367-12-4	
2,4,6-Tribromophenol (S)	82 %		10-110	1	12/08/09 20:27	12/12/09 06:14	118-79-6	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Acetone	ND ug/kg		73.3	1		12/05/09 04:18	67-64-1	
Benzene	ND ug/kg		3.7	1		12/05/09 04:18	71-43-2	
Bromobenzene	ND ug/kg		3.7	1		12/05/09 04:18	108-86-1	
Bromochloromethane	ND ug/kg		3.7	1		12/05/09 04:18	74-97-5	
Bromodichloromethane	ND ug/kg		3.7	1		12/05/09 04:18	75-27-4	
Bromoform	ND ug/kg		3.7	1		12/05/09 04:18	75-25-2	
Bromomethane	ND ug/kg		7.3	1		12/05/09 04:18	74-83-9	
2-Butanone (MEK)	ND ug/kg		73.3	1		12/05/09 04:18	78-93-3	
n-Butylbenzene	ND ug/kg		3.7	1		12/05/09 04:18	104-51-8	
sec-Butylbenzene	ND ug/kg		3.7	1		12/05/09 04:18	135-98-8	
tert-Butylbenzene	ND ug/kg		3.7	1		12/05/09 04:18	98-06-6	
Carbon tetrachloride	ND ug/kg		3.7	1		12/05/09 04:18	56-23-5	
Chlorobenzene	ND ug/kg		3.7	1		12/05/09 04:18	108-90-7	
Chloroethane	ND ug/kg		7.3	1		12/05/09 04:18	75-00-3	
Chloroform	ND ug/kg		3.7	1		12/05/09 04:18	67-66-3	
Chloromethane	ND ug/kg		7.3	1		12/05/09 04:18	74-87-3	
2-Chlorotoluene	ND ug/kg		3.7	1		12/05/09 04:18	95-49-8	
4-Chlorotoluene	ND ug/kg		3.7	1		12/05/09 04:18	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		3.7	1		12/05/09 04:18	96-12-8	
Dibromochloromethane	ND ug/kg		3.7	1		12/05/09 04:18	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		3.7	1		12/05/09 04:18	106-93-4	
Dibromomethane	ND ug/kg		3.7	1		12/05/09 04:18	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		3.7	1		12/05/09 04:18	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		3.7	1		12/05/09 04:18	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		3.7	1		12/05/09 04:18	106-46-7	
Dichlorodifluoromethane	ND ug/kg		7.3	1		12/05/09 04:18	75-71-8	
1,1-Dichloroethane	ND ug/kg		3.7	1		12/05/09 04:18	75-34-3	
1,2-Dichloroethane	ND ug/kg		3.7	1		12/05/09 04:18	107-06-2	
1,1-Dichloroethene	ND ug/kg		3.7	1		12/05/09 04:18	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		3.7	1		12/05/09 04:18	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		3.7	1		12/05/09 04:18	156-60-5	
1,2-Dichloropropane	ND ug/kg		3.7	1		12/05/09 04:18	78-87-5	
1,3-Dichloropropane	ND ug/kg		3.7	1		12/05/09 04:18	142-28-9	
2,2-Dichloropropane	ND ug/kg		3.7	1		12/05/09 04:18	594-20-7	
1,1-Dichloropropene	ND ug/kg		3.7	1		12/05/09 04:18	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		3.7	1		12/05/09 04:18	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		3.7	1		12/05/09 04:18	10061-02-6	
Diisopropyl ether	ND ug/kg		3.7	1		12/05/09 04:18	108-20-3	
Ethylbenzene	ND ug/kg		3.7	1		12/05/09 04:18	100-41-4	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2089-2 Lab ID: 9258741007 Collected: 12/01/09 10:50 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Hexachloro-1,3-butadiene	ND	ug/kg	3.7	1		12/05/09 04:18	87-68-3	
2-Hexanone	ND	ug/kg	36.6	1		12/05/09 04:18	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.7	1		12/05/09 04:18	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.7	1		12/05/09 04:18	99-87-6	
Methylene Chloride	ND	ug/kg	14.7	1		12/05/09 04:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	36.6	1		12/05/09 04:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.7	1		12/05/09 04:18	1634-04-4	
Naphthalene	ND	ug/kg	3.7	1		12/05/09 04:18	91-20-3	
n-Propylbenzene	ND	ug/kg	3.7	1		12/05/09 04:18	103-65-1	
Styrene	ND	ug/kg	3.7	1		12/05/09 04:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.7	1		12/05/09 04:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.7	1		12/05/09 04:18	79-34-5	
Tetrachloroethene	ND	ug/kg	3.7	1		12/05/09 04:18	127-18-4	
Toluene	ND	ug/kg	3.7	1		12/05/09 04:18	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.7	1		12/05/09 04:18	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.7	1		12/05/09 04:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.7	1		12/05/09 04:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.7	1		12/05/09 04:18	79-00-5	
Trichloroethene	ND	ug/kg	3.7	1		12/05/09 04:18	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.7	1		12/05/09 04:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.7	1		12/05/09 04:18	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.7	1		12/05/09 04:18	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.7	1		12/05/09 04:18	108-67-8	
Vinyl acetate	ND	ug/kg	36.6	1		12/05/09 04:18	108-05-4	
Vinyl chloride	ND	ug/kg	7.3	1		12/05/09 04:18	75-01-4	
Xylene (Total)	ND	ug/kg	7.3	1		12/05/09 04:18	1330-20-7	
m&p-Xylene	ND	ug/kg	7.3	1		12/05/09 04:18	1330-20-7	
o-Xylene	ND	ug/kg	3.7	1		12/05/09 04:18	95-47-6	
Dibromofluoromethane (S)	100	%	79-116	1		12/05/09 04:18	1868-53-7	
Toluene-d8 (S)	101	%	88-110	1		12/05/09 04:18	2037-26-5	
4-Bromofluorobenzene (S)	96	%	74-115	1		12/05/09 04:18	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	69-121	1		12/05/09 04:18	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	10.7	%	0.10	1		12/04/09 09:07		

ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2089-3 Lab ID: 9258741008 Collected: 12/01/09 13:40 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

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

Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546

Diesel Components	ND mg/kg		5.7	1	12/03/09 13:45	12/04/09 09:19	68334-30-5	
n-Pentacosane (S)	71 %		50-135	1	12/03/09 13:45	12/04/09 09:19	629-99-2	

MADEP EPH NC Soil

Analytical Method: MADEP EPH Preparation Method: MADEP EPH

Aliphatic (C09-C18)	ND mg/kg		11.5	1	12/07/09 11:45	12/11/09 16:23		
Aliphatic (C19-C36)	ND mg/kg		11.5	1	12/07/09 11:45	12/11/09 16:23		
Aromatic (C11-C22)	ND mg/kg		11.5	1	12/07/09 11:45	12/10/09 09:27		
Nonatriacontane (S)	80 %		40-140	1	12/07/09 11:45	12/11/09 16:23	7194-86-7	
o-Terphenyl (S)	81 %		40-140	1	12/07/09 11:45	12/10/09 09:27	84-15-1	
2-Fluorobiphenyl (S)	100 %		40-140	1	12/07/09 11:45	12/10/09 09:27	321-60-8	
2-Bromonaphthalene (S)	101 %		40-140	1	12/07/09 11:45	12/10/09 09:27	580-13-2	

Gasoline Range Organics

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

Gasoline Range Organics	ND mg/kg		5.1	1	12/10/09 04:41	12/10/09 22:51	8006-61-9	
4-Bromofluorobenzene (S)	124 %		50-135	1	12/10/09 04:41	12/10/09 22:51	460-00-4	

VPH NC Soil

Analytical Method: MADEP VPH Preparation Method: MADEP VPH

Aliphatic (C05-C08)	ND mg/kg		12.2	1	12/08/09 03:54	12/10/09 03:24		
Aliphatic (C09-C12)	ND mg/kg		12.2	1	12/08/09 03:54	12/10/09 03:24		
Aromatic (C09-C10)	ND mg/kg		12.2	1	12/08/09 03:54	12/10/09 03:24		
2,5-Dibromotoluene (PID)(S)	119 %		70-130	1	12/08/09 03:54	12/10/09 03:24		
2,5-Dibromotoluene (FID)(S)	114 %		70-130	1	12/08/09 03:54	12/10/09 03:24		

8270 MSSV Full List Microwave

Analytical Method: EPA 8270

Acenaphthene	ND ug/kg		32.7	1	12/08/09 20:27	12/12/09 06:40	83-32-9	
Acenaphthylene	ND ug/kg		32.7	1	12/08/09 20:27	12/12/09 06:40	208-96-8	
Anthracene	ND ug/kg		32.7	1	12/08/09 20:27	12/12/09 06:40	120-12-7	
Benzo(a)anthracene	ND ug/kg		32.7	1	12/08/09 20:27	12/12/09 06:40	56-55-3	
Benzo(a)pyrene	ND ug/kg		32.7	1	12/08/09 20:27	12/12/09 06:40	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		32.7	1	12/08/09 20:27	12/12/09 06:40	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		32.7	1	12/08/09 20:27	12/12/09 06:40	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		32.7	1	12/08/09 20:27	12/12/09 06:40	207-08-9	
4-Bromophenylphenyl ether	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	101-55-3	
Butylbenzylphthalate	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		663	1	12/08/09 20:27	12/12/09 06:40	59-50-7	
4-Chloroaniline	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	108-60-1	
2-Chloronaphthalene	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	91-58-7	
2-Chlorophenol	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	7005-72-3	
Chrysene	ND ug/kg		32.7	1	12/08/09 20:27	12/12/09 06:40	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		32.7	1	12/08/09 20:27	12/12/09 06:40	53-70-3	
Dibenzofuran	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	132-64-9	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2089-3 Lab ID: 9258741008 Collected: 12/01/09 13:40 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
1,2-Dichlorobenzene	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	106-46-7	
3,3'-Dichlorobenzidine	ND ug/kg		663	1	12/08/09 20:27	12/12/09 06:40	91-94-1	L1
2,4-Dichlorophenol	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	120-83-2	
Diethylphthalate	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	84-66-2	
2,4-Dimethylphenol	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	105-67-9	
Dimethylphthalate	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	131-11-3	
Di-n-butylphthalate	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		663	1	12/08/09 20:27	12/12/09 06:40	534-52-1	
2,4-Dinitrophenol	ND ug/kg		663	1	12/08/09 20:27	12/12/09 06:40	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	606-20-2	
Di-n-octylphthalate	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	117-84-0	
1,2-Diphenylhydrazine	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	122-66-7	
bis(2-Ethylhexyl)phthalate	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	117-81-7	
Fluoranthene	ND ug/kg		32.7	1	12/08/09 20:27	12/12/09 06:40	206-44-0	
Fluorene	ND ug/kg		32.7	1	12/08/09 20:27	12/12/09 06:40	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	87-68-3	
Hexachlorobenzene	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		663	1	12/08/09 20:27	12/12/09 06:40	77-47-4	
Hexachloroethane	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		32.7	1	12/08/09 20:27	12/12/09 06:40	193-39-5	
Isophorone	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	78-59-1	
1-Methylnaphthalene	ND ug/kg		32.7	1	12/08/09 20:27	12/12/09 06:40	90-12-0	
2-Methylnaphthalene	ND ug/kg		32.7	1	12/08/09 20:27	12/12/09 06:40	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40		
Naphthalene	ND ug/kg		32.7	1	12/08/09 20:27	12/12/09 06:40	91-20-3	
2-Nitroaniline	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	88-74-4	
3-Nitroaniline	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	99-09-2	
4-Nitroaniline	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	100-01-6	
Nitrobenzene	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	98-95-3	
2-Nitrophenol	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	88-75-5	
4-Nitrophenol	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	100-02-7	
N-Nitrosodimethylamine	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	86-30-6	
Pentachlorophenol	ND ug/kg		663	1	12/08/09 20:27	12/12/09 06:40	87-86-5	
Phenanthrene	ND ug/kg		32.7	1	12/08/09 20:27	12/12/09 06:40	85-01-8	
Phenol	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	108-95-2	
Pyrene	ND ug/kg		32.7	1	12/08/09 20:27	12/12/09 06:40	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		168	1	12/08/09 20:27	12/12/09 06:40	88-06-2	
Nitrobenzene-d5 (S)	69 %		10-110	1	12/08/09 20:27	12/12/09 06:40	4165-60-0	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2089-3 Lab ID: 9258741008 Collected: 12/01/09 13:40 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
2-Fluorobiphenyl (S)	70 %		18-110	1	12/08/09 20:27	12/12/09 06:40	321-60-8	
Terphenyl-d14 (S)	83 %		10-123	1	12/08/09 20:27	12/12/09 06:40	1718-51-0	
Phenol-d6 (S)	62 %		10-110	1	12/08/09 20:27	12/12/09 06:40	13127-88-3	
2-Fluorophenol (S)	66 %		18-110	1	12/08/09 20:27	12/12/09 06:40	367-12-4	
2,4,6-Tribromophenol (S)	81 %		10-110	1	12/08/09 20:27	12/12/09 06:40	118-79-6	
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Acetone	ND ug/kg		70.9	1		12/05/09 04:54	67-64-1	
Benzene	ND ug/kg		3.5	1		12/05/09 04:54	71-43-2	
Bromobenzene	ND ug/kg		3.5	1		12/05/09 04:54	108-86-1	
Bromochloromethane	ND ug/kg		3.5	1		12/05/09 04:54	74-97-5	
Bromodichloromethane	ND ug/kg		3.5	1		12/05/09 04:54	75-27-4	
Bromoform	ND ug/kg		3.5	1		12/05/09 04:54	75-25-2	
Bromomethane	ND ug/kg		7.1	1		12/05/09 04:54	74-83-9	
2-Butanone (MEK)	ND ug/kg		70.9	1		12/05/09 04:54	78-93-3	
n-Butylbenzene	ND ug/kg		3.5	1		12/05/09 04:54	104-51-8	
sec-Butylbenzene	ND ug/kg		3.5	1		12/05/09 04:54	135-98-8	
tert-Butylbenzene	ND ug/kg		3.5	1		12/05/09 04:54	98-06-6	
Carbon tetrachloride	ND ug/kg		3.5	1		12/05/09 04:54	56-23-5	
Chlorobenzene	ND ug/kg		3.5	1		12/05/09 04:54	108-90-7	
Chloroethane	ND ug/kg		7.1	1		12/05/09 04:54	75-00-3	
Chloroform	ND ug/kg		3.5	1		12/05/09 04:54	67-66-3	
Chloromethane	ND ug/kg		7.1	1		12/05/09 04:54	74-87-3	
2-Chlorotoluene	ND ug/kg		3.5	1		12/05/09 04:54	95-49-8	
4-Chlorotoluene	ND ug/kg		3.5	1		12/05/09 04:54	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		3.5	1		12/05/09 04:54	96-12-8	
Dibromochloromethane	ND ug/kg		3.5	1		12/05/09 04:54	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		3.5	1		12/05/09 04:54	106-93-4	
Dibromomethane	ND ug/kg		3.5	1		12/05/09 04:54	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		3.5	1		12/05/09 04:54	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		3.5	1		12/05/09 04:54	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		3.5	1		12/05/09 04:54	106-46-7	
Dichlorodifluoromethane	ND ug/kg		7.1	1		12/05/09 04:54	75-71-8	
1,1-Dichloroethane	ND ug/kg		3.5	1		12/05/09 04:54	75-34-3	
1,2-Dichloroethane	ND ug/kg		3.5	1		12/05/09 04:54	107-06-2	
1,1-Dichloroethene	ND ug/kg		3.5	1		12/05/09 04:54	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		3.5	1		12/05/09 04:54	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		3.5	1		12/05/09 04:54	156-60-5	
1,2-Dichloropropane	ND ug/kg		3.5	1		12/05/09 04:54	78-87-5	
1,3-Dichloropropane	ND ug/kg		3.5	1		12/05/09 04:54	142-28-9	
2,2-Dichloropropane	ND ug/kg		3.5	1		12/05/09 04:54	594-20-7	
1,1-Dichloropropene	ND ug/kg		3.5	1		12/05/09 04:54	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		3.5	1		12/05/09 04:54	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		3.5	1		12/05/09 04:54	10061-02-6	
Diisopropyl ether	ND ug/kg		3.5	1		12/05/09 04:54	108-20-3	
Ethylbenzene	ND ug/kg		3.5	1		12/05/09 04:54	100-41-4	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

Sample: TT-2089-3 Lab ID: 9258741008 Collected: 12/01/09 13:40 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Hexachloro-1,3-butadiene	ND	ug/kg	3.5	1		12/05/09 04:54	87-68-3	
2-Hexanone	ND	ug/kg	35.5	1		12/05/09 04:54	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.5	1		12/05/09 04:54	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.5	1		12/05/09 04:54	99-87-6	
Methylene Chloride	ND	ug/kg	14.2	1		12/05/09 04:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	35.5	1		12/05/09 04:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.5	1		12/05/09 04:54	1634-04-4	
Naphthalene	ND	ug/kg	3.5	1		12/05/09 04:54	91-20-3	
n-Propylbenzene	ND	ug/kg	3.5	1		12/05/09 04:54	103-65-1	
Styrene	ND	ug/kg	3.5	1		12/05/09 04:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.5	1		12/05/09 04:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.5	1		12/05/09 04:54	79-34-5	
Tetrachloroethene	ND	ug/kg	3.5	1		12/05/09 04:54	127-18-4	
Toluene	ND	ug/kg	3.5	1		12/05/09 04:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.5	1		12/05/09 04:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.5	1		12/05/09 04:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.5	1		12/05/09 04:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.5	1		12/05/09 04:54	79-00-5	
Trichloroethene	ND	ug/kg	3.5	1		12/05/09 04:54	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.5	1		12/05/09 04:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.5	1		12/05/09 04:54	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.5	1		12/05/09 04:54	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.5	1		12/05/09 04:54	108-67-8	
Vinyl acetate	ND	ug/kg	35.5	1		12/05/09 04:54	108-05-4	
Vinyl chloride	ND	ug/kg	7.1	1		12/05/09 04:54	75-01-4	
Xylene (Total)	ND	ug/kg	7.1	1		12/05/09 04:54	1330-20-7	
m&p-Xylene	ND	ug/kg	7.1	1		12/05/09 04:54	1330-20-7	
o-Xylene	ND	ug/kg	3.5	1		12/05/09 04:54	95-47-6	
Dibromofluoromethane (S)	111	%	79-116	1		12/05/09 04:54	1868-53-7	
Toluene-d8 (S)	101	%	88-110	1		12/05/09 04:54	2037-26-5	
4-Bromofluorobenzene (S)	94	%	74-115	1		12/05/09 04:54	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	69-121	1		12/05/09 04:54	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	12.8	%	0.10	1		12/04/09 09:07		

ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2089-4 Lab ID: 9258741009 Collected: 12/01/09 12:55 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		5.7	1	12/03/09 13:45	12/04/09 09:48	68334-30-5	
n-Pentacosane (S)	61 %		50-135	1	12/03/09 13:45	12/04/09 09:48	629-99-2	
MADEP EPH NC Soil Analytical Method: MADEP EPH Preparation Method: MADEP EPH								
Aliphatic (C09-C18)	ND mg/kg		11.4	1	12/07/09 11:45	12/11/09 16:56		
Aliphatic (C19-C36)	ND mg/kg		11.4	1	12/07/09 11:45	12/11/09 16:56		
Aromatic (C11-C22)	ND mg/kg		11.4	1	12/07/09 11:45	12/10/09 10:01		
Nonatriacontane (S)	74 %		40-140	1	12/07/09 11:45	12/11/09 16:56	7194-86-7	
o-Terphenyl (S)	86 %		40-140	1	12/07/09 11:45	12/10/09 10:01	84-15-1	
2-Fluorobiphenyl (S)	114 %		40-140	1	12/07/09 11:45	12/10/09 10:01	321-60-8	
2-Bromonaphthalene (S)	115 %		40-140	1	12/07/09 11:45	12/10/09 10:01	580-13-2	
Gasoline Range Organics Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		6.7	1	12/10/09 04:41	12/10/09 23:16	8006-61-9	
4-Bromofluorobenzene (S)	102 %		50-135	1	12/10/09 04:41	12/10/09 23:16	460-00-4	
VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH								
Aliphatic (C05-C08)	ND mg/kg		8.7	1	12/08/09 03:54	12/10/09 03:48		
Aliphatic (C09-C12)	ND mg/kg		8.7	1	12/08/09 03:54	12/10/09 03:48		
Aromatic (C09-C10)	ND mg/kg		8.7	1	12/08/09 03:54	12/10/09 03:48		
2,5-Dibromotoluene (PID)(S)	118 %		70-130	1	12/08/09 03:54	12/10/09 03:48		
2,5-Dibromotoluene (FID)(S)	117 %		70-130	1	12/08/09 03:54	12/10/09 03:48		
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
Acenaphthene	ND ug/kg		32.2	1	12/08/09 20:27	12/12/09 07:06	83-32-9	
Acenaphthylene	ND ug/kg		32.2	1	12/08/09 20:27	12/12/09 07:06	208-96-8	
Anthracene	ND ug/kg		32.2	1	12/08/09 20:27	12/12/09 07:06	120-12-7	
Benzo(a)anthracene	ND ug/kg		32.2	1	12/08/09 20:27	12/12/09 07:06	56-55-3	
Benzo(a)pyrene	ND ug/kg		32.2	1	12/08/09 20:27	12/12/09 07:06	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		32.2	1	12/08/09 20:27	12/12/09 07:06	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		32.2	1	12/08/09 20:27	12/12/09 07:06	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		32.2	1	12/08/09 20:27	12/12/09 07:06	207-08-9	
4-Bromophenylphenyl ether	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	101-55-3	
Butylbenzylphthalate	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		655	1	12/08/09 20:27	12/12/09 07:06	59-50-7	
4-Chloroaniline	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	108-60-1	
2-Chloronaphthalene	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	91-58-7	
2-Chlorophenol	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	7005-72-3	
Chrysene	ND ug/kg		32.2	1	12/08/09 20:27	12/12/09 07:06	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		32.2	1	12/08/09 20:27	12/12/09 07:06	53-70-3	
Dibenzofuran	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	132-64-9	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2089-4 Lab ID: 9258741009 Collected: 12/01/09 12:55 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
1,2-Dichlorobenzene	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	106-46-7	
3,3'-Dichlorobenzidine	ND ug/kg		655	1	12/08/09 20:27	12/12/09 07:06	91-94-1	L1
2,4-Dichlorophenol	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	120-83-2	
Diethylphthalate	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	84-66-2	
2,4-Dimethylphenol	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	105-67-9	
Dimethylphthalate	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	131-11-3	
Di-n-butylphthalate	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		655	1	12/08/09 20:27	12/12/09 07:06	534-52-1	
2,4-Dinitrophenol	ND ug/kg		655	1	12/08/09 20:27	12/12/09 07:06	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	606-20-2	
Di-n-octylphthalate	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	117-84-0	
1,2-Diphenylhydrazine	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	122-66-7	
bis(2-Ethylhexyl)phthalate	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	117-81-7	
Fluoranthene	ND ug/kg		32.2	1	12/08/09 20:27	12/12/09 07:06	206-44-0	
Fluorene	ND ug/kg		32.2	1	12/08/09 20:27	12/12/09 07:06	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	87-68-3	
Hexachlorobenzene	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		655	1	12/08/09 20:27	12/12/09 07:06	77-47-4	
Hexachloroethane	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		32.2	1	12/08/09 20:27	12/12/09 07:06	193-39-5	
Isophorone	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	78-59-1	
1-Methylnaphthalene	ND ug/kg		32.2	1	12/08/09 20:27	12/12/09 07:06	90-12-0	
2-Methylnaphthalene	ND ug/kg		32.2	1	12/08/09 20:27	12/12/09 07:06	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06		
Naphthalene	ND ug/kg		32.2	1	12/08/09 20:27	12/12/09 07:06	91-20-3	
2-Nitroaniline	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	88-74-4	
3-Nitroaniline	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	99-09-2	
4-Nitroaniline	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	100-01-6	
Nitrobenzene	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	98-95-3	
2-Nitrophenol	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	88-75-5	
4-Nitrophenol	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	100-02-7	
N-Nitrosodimethylamine	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	86-30-6	
Pentachlorophenol	ND ug/kg		655	1	12/08/09 20:27	12/12/09 07:06	87-86-5	
Phenanthrene	ND ug/kg		32.2	1	12/08/09 20:27	12/12/09 07:06	85-01-8	
Phenol	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	108-95-2	
Pyrene	ND ug/kg		32.2	1	12/08/09 20:27	12/12/09 07:06	129-00-0	
1,2,4-Trichlorobenzene	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	120-82-1	
2,4,5-Trichlorophenol	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		166	1	12/08/09 20:27	12/12/09 07:06	88-06-2	
Nitrobenzene-d5 (S)	61 %		10-110	1	12/08/09 20:27	12/12/09 07:06	4165-60-0	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2089-4 Lab ID: 9258741009 Collected: 12/01/09 12:55 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave Analytical Method: EPA 8270								
2-Fluorobiphenyl (S)	64 %		18-110	1	12/08/09 20:27	12/12/09 07:06	321-60-8	
Terphenyl-d14 (S)	84 %		10-123	1	12/08/09 20:27	12/12/09 07:06	1718-51-0	
Phenol-d6 (S)	54 %		10-110	1	12/08/09 20:27	12/12/09 07:06	13127-88-3	
2-Fluorophenol (S)	54 %		18-110	1	12/08/09 20:27	12/12/09 07:06	367-12-4	
2,4,6-Tribromophenol (S)	76 %		10-110	1	12/08/09 20:27	12/12/09 07:06	118-79-6	
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Acetone	ND ug/kg		77.2	1		12/05/09 04:36	67-64-1	
Benzene	ND ug/kg		3.9	1		12/05/09 04:36	71-43-2	
Bromobenzene	ND ug/kg		3.9	1		12/05/09 04:36	108-86-1	
Bromochloromethane	ND ug/kg		3.9	1		12/05/09 04:36	74-97-5	
Bromodichloromethane	ND ug/kg		3.9	1		12/05/09 04:36	75-27-4	
Bromoform	ND ug/kg		3.9	1		12/05/09 04:36	75-25-2	
Bromomethane	ND ug/kg		7.7	1		12/05/09 04:36	74-83-9	
2-Butanone (MEK)	ND ug/kg		77.2	1		12/05/09 04:36	78-93-3	
n-Butylbenzene	ND ug/kg		3.9	1		12/05/09 04:36	104-51-8	
sec-Butylbenzene	ND ug/kg		3.9	1		12/05/09 04:36	135-98-8	
tert-Butylbenzene	ND ug/kg		3.9	1		12/05/09 04:36	98-06-6	
Carbon tetrachloride	ND ug/kg		3.9	1		12/05/09 04:36	56-23-5	
Chlorobenzene	ND ug/kg		3.9	1		12/05/09 04:36	108-90-7	
Chloroethane	ND ug/kg		7.7	1		12/05/09 04:36	75-00-3	
Chloroform	ND ug/kg		3.9	1		12/05/09 04:36	67-66-3	
Chloromethane	ND ug/kg		7.7	1		12/05/09 04:36	74-87-3	
2-Chlorotoluene	ND ug/kg		3.9	1		12/05/09 04:36	95-49-8	
4-Chlorotoluene	ND ug/kg		3.9	1		12/05/09 04:36	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		3.9	1		12/05/09 04:36	96-12-8	
Dibromochloromethane	ND ug/kg		3.9	1		12/05/09 04:36	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		3.9	1		12/05/09 04:36	106-93-4	
Dibromomethane	ND ug/kg		3.9	1		12/05/09 04:36	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		3.9	1		12/05/09 04:36	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		3.9	1		12/05/09 04:36	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		3.9	1		12/05/09 04:36	106-46-7	
Dichlorodifluoromethane	ND ug/kg		7.7	1		12/05/09 04:36	75-71-8	
1,1-Dichloroethane	ND ug/kg		3.9	1		12/05/09 04:36	75-34-3	
1,2-Dichloroethane	ND ug/kg		3.9	1		12/05/09 04:36	107-06-2	
1,1-Dichloroethene	ND ug/kg		3.9	1		12/05/09 04:36	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		3.9	1		12/05/09 04:36	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		3.9	1		12/05/09 04:36	156-60-5	
1,2-Dichloropropane	ND ug/kg		3.9	1		12/05/09 04:36	78-87-5	
1,3-Dichloropropane	ND ug/kg		3.9	1		12/05/09 04:36	142-28-9	
2,2-Dichloropropane	ND ug/kg		3.9	1		12/05/09 04:36	594-20-7	
1,1-Dichloropropene	ND ug/kg		3.9	1		12/05/09 04:36	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		3.9	1		12/05/09 04:36	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		3.9	1		12/05/09 04:36	10061-02-6	
Diisopropyl ether	ND ug/kg		3.9	1		12/05/09 04:36	108-20-3	
Ethylbenzene	ND ug/kg		3.9	1		12/05/09 04:36	100-41-4	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2089-4 Lab ID: 9258741009 Collected: 12/01/09 12:55 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Hexachloro-1,3-butadiene	ND	ug/kg	3.9	1		12/05/09 04:36	87-68-3	
2-Hexanone	ND	ug/kg	38.6	1		12/05/09 04:36	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.9	1		12/05/09 04:36	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.9	1		12/05/09 04:36	99-87-6	
Methylene Chloride	ND	ug/kg	15.4	1		12/05/09 04:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	38.6	1		12/05/09 04:36	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.9	1		12/05/09 04:36	1634-04-4	
Naphthalene	ND	ug/kg	3.9	1		12/05/09 04:36	91-20-3	
n-Propylbenzene	ND	ug/kg	3.9	1		12/05/09 04:36	103-65-1	
Styrene	ND	ug/kg	3.9	1		12/05/09 04:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.9	1		12/05/09 04:36	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.9	1		12/05/09 04:36	79-34-5	
Tetrachloroethene	ND	ug/kg	3.9	1		12/05/09 04:36	127-18-4	
Toluene	ND	ug/kg	3.9	1		12/05/09 04:36	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.9	1		12/05/09 04:36	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.9	1		12/05/09 04:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.9	1		12/05/09 04:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.9	1		12/05/09 04:36	79-00-5	
Trichloroethene	ND	ug/kg	3.9	1		12/05/09 04:36	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.9	1		12/05/09 04:36	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.9	1		12/05/09 04:36	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.9	1		12/05/09 04:36	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.9	1		12/05/09 04:36	108-67-8	
Vinyl acetate	ND	ug/kg	38.6	1		12/05/09 04:36	108-05-4	
Vinyl chloride	ND	ug/kg	7.7	1		12/05/09 04:36	75-01-4	
Xylene (Total)	ND	ug/kg	7.7	1		12/05/09 04:36	1330-20-7	
m&p-Xylene	ND	ug/kg	7.7	1		12/05/09 04:36	1330-20-7	
o-Xylene	ND	ug/kg	3.9	1		12/05/09 04:36	95-47-6	
Dibromofluoromethane (S)	117 %		79-116	1		12/05/09 04:36	1868-53-7	S3
Toluene-d8 (S)	99 %		88-110	1		12/05/09 04:36	2037-26-5	
4-Bromofluorobenzene (S)	96 %		74-115	1		12/05/09 04:36	460-00-4	
1,2-Dichloroethane-d4 (S)	111 %		69-121	1		12/05/09 04:36	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	12.5 %	0.10	1	12/04/09 09:08
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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2089-B Lab ID: 9258741010 Collected: 12/01/09 09:04 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

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

Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546

Diesel Components	3260 mg/kg		117	20	12/03/09 13:45	12/04/09 12:51	68334-30-5	
n-Pentacosane (S)	0 %		50-135	20	12/03/09 13:45	12/04/09 12:51	629-99-2	S4

MADEP EPH NC Soil

Analytical Method: MADEP EPH Preparation Method: MADEP EPH

Aliphatic (C09-C18)	2200 mg/kg		585	50	12/07/09 11:45	12/11/09 17:29		
Aliphatic (C19-C36)	ND mg/kg		585	50	12/07/09 11:45	12/11/09 17:29		
Aromatic (C11-C22)	1520 mg/kg		234	20	12/07/09 11:45	12/10/09 22:04		
Nonatriacontane (S)	0 %		40-140	50	12/07/09 11:45	12/11/09 17:29	7194-86-7	S4
o-Terphenyl (S)	0 %		40-140	20	12/07/09 11:45	12/10/09 22:04	84-15-1	S4
2-Fluorobiphenyl (S)	0 %		40-140	20	12/07/09 11:45	12/10/09 22:04	321-60-8	S4
2-Bromonaphthalene (S)	0 %		40-140	20	12/07/09 11:45	12/10/09 22:04	580-13-2	S4

Gasoline Range Organics

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

Gasoline Range Organics	46.0 mg/kg		4.7	1	12/10/09 04:41	12/10/09 23:40	8006-61-9	
4-Bromofluorobenzene (S)	138 %		50-135	1	12/10/09 04:41	12/10/09 23:40	460-00-4	S5

VPH NC Soil

Analytical Method: MADEP VPH Preparation Method: MADEP VPH

Aliphatic (C05-C08)	ND mg/kg		11.3	1	12/08/09 03:54	12/10/09 04:13		
Aliphatic (C09-C12)	169 mg/kg		11.3	1	12/08/09 03:54	12/10/09 04:13		
Aromatic (C09-C10)	78.8 mg/kg		11.3	1	12/08/09 03:54	12/10/09 04:13		
2,5-Dibromotoluene (PID)(S)	121 %		70-130	1	12/08/09 03:54	12/10/09 04:13		
2,5-Dibromotoluene (FID)(S)	164 %		70-130	1	12/08/09 03:54	12/10/09 04:13		S5

8270 MSSV Full List Microwave

Analytical Method: EPA 8270

Acenaphthene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 07:32	83-32-9	
Acenaphthylene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 07:32	208-96-8	
Anthracene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 07:32	120-12-7	
Benzo(a)anthracene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 07:32	56-55-3	
Benzo(a)pyrene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 07:32	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 07:32	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 07:32	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 07:32	207-08-9	
4-Bromophenylphenyl ether	ND ug/kg		169	1	12/08/09 20:27	12/12/09 07:32	101-55-3	
Butylbenzylphthalate	ND ug/kg		169	1	12/08/09 20:27	12/12/09 07:32	85-68-7	
4-Chloro-3-methylphenol	ND ug/kg		666	1	12/08/09 20:27	12/12/09 07:32	59-50-7	
4-Chloroaniline	ND ug/kg		169	1	12/08/09 20:27	12/12/09 07:32	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/kg		169	1	12/08/09 20:27	12/12/09 07:32	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		169	1	12/08/09 20:27	12/12/09 07:32	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		169	1	12/08/09 20:27	12/12/09 07:32	108-60-1	
2-Chloronaphthalene	ND ug/kg		169	1	12/08/09 20:27	12/12/09 07:32	91-58-7	
2-Chlorophenol	ND ug/kg		169	1	12/08/09 20:27	12/12/09 07:32	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		169	1	12/08/09 20:27	12/12/09 07:32	7005-72-3	
Chrysene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 07:32	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		32.8	1	12/08/09 20:27	12/12/09 07:32	53-70-3	
Dibenzofuran	ND ug/kg		169	1	12/08/09 20:27	12/12/09 07:32	132-64-9	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

Sample: TT-2089-B Lab ID: 9258741010 Collected: 12/01/09 09:04 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
1,2-Dichlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	666	1	12/08/09 20:27	12/12/09 07:32	91-94-1	L1
2,4-Dichlorophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	120-83-2	
Diethylphthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	105-67-9	
Dimethylphthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	131-11-3	
Di-n-butylphthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	666	1	12/08/09 20:27	12/12/09 07:32	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	666	1	12/08/09 20:27	12/12/09 07:32	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	606-20-2	
Di-n-octylphthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	117-84-0	
1,2-Diphenylhydrazine	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	117-81-7	
Fluoranthene	83.8	ug/kg	32.8	1	12/08/09 20:27	12/12/09 07:32	206-44-0	
Fluorene	2730	ug/kg	32.8	1	12/08/09 20:27	12/12/09 07:32	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	87-68-3	
Hexachlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	666	1	12/08/09 20:27	12/12/09 07:32	77-47-4	
Hexachloroethane	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	32.8	1	12/08/09 20:27	12/12/09 07:32	193-39-5	
Isophorone	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	78-59-1	
1-Methylnaphthalene	30000	ug/kg	656	20	12/08/09 20:27	12/16/09 19:08	90-12-0	
2-Methylnaphthalene	53600	ug/kg	656	20	12/08/09 20:27	12/16/09 19:08	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32		
Naphthalene	9390	ug/kg	656	20	12/08/09 20:27	12/16/09 19:08	91-20-3	
2-Nitroaniline	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	88-74-4	
3-Nitroaniline	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	99-09-2	
4-Nitroaniline	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	100-01-6	
Nitrobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	98-95-3	
2-Nitrophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	88-75-5	
4-Nitrophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	86-30-6	
Pentachlorophenol	ND	ug/kg	666	1	12/08/09 20:27	12/12/09 07:32	87-86-5	
Phenanthrene	8330	ug/kg	656	20	12/08/09 20:27	12/16/09 19:08	85-01-8	
Phenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	108-95-2	
Pyrene	317	ug/kg	32.8	1	12/08/09 20:27	12/12/09 07:32	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	169	1	12/08/09 20:27	12/12/09 07:32	88-06-2	
Nitrobenzene-d5 (S)	140	%	10-110	1	12/08/09 20:27	12/12/09 07:32	4165-60-0	S5

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

Sample: TT-2089-B Lab ID: 9258741010 Collected: 12/01/09 09:04 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Full List Microwave		Analytical Method: EPA 8270						
2-Fluorobiphenyl (S)	80 %		18-110	1	12/08/09 20:27	12/12/09 07:32	321-60-8	
Terphenyl-d14 (S)	97 %		10-123	1	12/08/09 20:27	12/12/09 07:32	1718-51-0	
Phenol-d6 (S)	64 %		10-110	1	12/08/09 20:27	12/12/09 07:32	13127-88-3	
2-Fluorophenol (S)	53 %		18-110	1	12/08/09 20:27	12/12/09 07:32	367-12-4	
2,4,6-Tribromophenol (S)	45 %		10-110	1	12/08/09 20:27	12/12/09 07:32	118-79-6	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Acetone	ND ug/kg		41700	500		12/05/09 08:14	67-64-1	
Benzene	ND ug/kg		2080	500		12/05/09 08:14	71-43-2	
Bromobenzene	ND ug/kg		2080	500		12/05/09 08:14	108-86-1	
Bromochloromethane	ND ug/kg		2080	500		12/05/09 08:14	74-97-5	
Bromodichloromethane	ND ug/kg		2080	500		12/05/09 08:14	75-27-4	
Bromoform	ND ug/kg		2080	500		12/05/09 08:14	75-25-2	
Bromomethane	ND ug/kg		4170	500		12/05/09 08:14	74-83-9	
2-Butanone (MEK)	ND ug/kg		41700	500		12/05/09 08:14	78-93-3	
n-Butylbenzene	5140 ug/kg		2080	500		12/05/09 08:14	104-51-8	
sec-Butylbenzene	4160 ug/kg		2080	500		12/05/09 08:14	135-98-8	
tert-Butylbenzene	ND ug/kg		2080	500		12/05/09 08:14	98-06-6	
Carbon tetrachloride	ND ug/kg		2080	500		12/05/09 08:14	56-23-5	
Chlorobenzene	ND ug/kg		2080	500		12/05/09 08:14	108-90-7	
Chloroethane	ND ug/kg		4170	500		12/05/09 08:14	75-00-3	
Chloroform	ND ug/kg		2080	500		12/05/09 08:14	67-66-3	
Chloromethane	ND ug/kg		4170	500		12/05/09 08:14	74-87-3	
2-Chlorotoluene	ND ug/kg		2080	500		12/05/09 08:14	95-49-8	
4-Chlorotoluene	ND ug/kg		2080	500		12/05/09 08:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		2080	500		12/05/09 08:14	96-12-8	
Dibromochloromethane	ND ug/kg		2080	500		12/05/09 08:14	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		2080	500		12/05/09 08:14	106-93-4	
Dibromomethane	ND ug/kg		2080	500		12/05/09 08:14	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		2080	500		12/05/09 08:14	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		2080	500		12/05/09 08:14	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		2080	500		12/05/09 08:14	106-46-7	
Dichlorodifluoromethane	ND ug/kg		4170	500		12/05/09 08:14	75-71-8	
1,1-Dichloroethane	ND ug/kg		2080	500		12/05/09 08:14	75-34-3	
1,2-Dichloroethane	ND ug/kg		2080	500		12/05/09 08:14	107-06-2	
1,1-Dichloroethene	ND ug/kg		2080	500		12/05/09 08:14	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		2080	500		12/05/09 08:14	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		2080	500		12/05/09 08:14	156-60-5	
1,2-Dichloropropane	ND ug/kg		2080	500		12/05/09 08:14	78-87-5	
1,3-Dichloropropane	ND ug/kg		2080	500		12/05/09 08:14	142-28-9	
2,2-Dichloropropane	ND ug/kg		2080	500		12/05/09 08:14	594-20-7	
1,1-Dichloropropene	ND ug/kg		2080	500		12/05/09 08:14	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		2080	500		12/05/09 08:14	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		2080	500		12/05/09 08:14	10061-02-6	
Diisopropyl ether	ND ug/kg		2080	500		12/05/09 08:14	108-20-3	
Ethylbenzene	ND ug/kg		2080	500		12/05/09 08:14	100-41-4	

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ANALYTICAL RESULTS

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

Sample: TT-2089-B Lab ID: 9258741010 Collected: 12/01/09 09:04 Received: 12/03/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Hexachloro-1,3-butadiene	ND	ug/kg	2080	500		12/05/09 08:14	87-68-3	
2-Hexanone	ND	ug/kg	20800	500		12/05/09 08:14	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	2080	500		12/05/09 08:14	98-82-8	
p-Isopropyltoluene	6780	ug/kg	2080	500		12/05/09 08:14	99-87-6	
Methylene Chloride	ND	ug/kg	8340	500		12/05/09 08:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	20800	500		12/05/09 08:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	2080	500		12/05/09 08:14	1634-04-4	
Naphthalene	12000	ug/kg	2080	500		12/05/09 08:14	91-20-3	
n-Propylbenzene	3830	ug/kg	2080	500		12/05/09 08:14	103-65-1	
Styrene	ND	ug/kg	2080	500		12/05/09 08:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	2080	500		12/05/09 08:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	2080	500		12/05/09 08:14	79-34-5	
Tetrachloroethene	ND	ug/kg	2080	500		12/05/09 08:14	127-18-4	
Toluene	ND	ug/kg	2080	500		12/05/09 08:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	2080	500		12/05/09 08:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	2080	500		12/05/09 08:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	2080	500		12/05/09 08:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	2080	500		12/05/09 08:14	79-00-5	
Trichloroethene	ND	ug/kg	2080	500		12/05/09 08:14	79-01-6	
Trichlorofluoromethane	ND	ug/kg	2080	500		12/05/09 08:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	2080	500		12/05/09 08:14	96-18-4	
1,2,4-Trimethylbenzene	15100	ug/kg	2080	500		12/05/09 08:14	95-63-6	
1,3,5-Trimethylbenzene	4490	ug/kg	2080	500		12/05/09 08:14	108-67-8	
Vinyl acetate	ND	ug/kg	20800	500		12/05/09 08:14	108-05-4	
Vinyl chloride	ND	ug/kg	4170	500		12/05/09 08:14	75-01-4	
Xylene (Total)	ND	ug/kg	4170	500		12/05/09 08:14	1330-20-7	
m&p-Xylene	ND	ug/kg	4170	500		12/05/09 08:14	1330-20-7	
o-Xylene	ND	ug/kg	2080	500		12/05/09 08:14	95-47-6	
Dibromofluoromethane (S)	97 %		79-116	500		12/05/09 08:14	1868-53-7	D3
Toluene-d8 (S)	101 %		88-110	500		12/05/09 08:14	2037-26-5	
4-Bromofluorobenzene (S)	97 %		74-115	500		12/05/09 08:14	460-00-4	
1,2-Dichloroethane-d4 (S)	106 %		69-121	500		12/05/09 08:14	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	14.6 %	0.10	1	12/04/09 09:08
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QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

QC Batch: OEXT/8711 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 3546 Analysis Description: 8015 Solid GCSV
Associated Lab Samples: 9258741002, 9258741004, 9258741005, 9258741006, 9258741007, 9258741008, 9258741009, 9258741010

METHOD BLANK: 374368 Matrix: Solid
Associated Lab Samples: 9258741002, 9258741004, 9258741005, 9258741006, 9258741007, 9258741008, 9258741009, 9258741010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	ND	5.0	12/04/09 01:26	
n-Pentacosane (S)	%	97	50-135	12/04/09 01:26	

LABORATORY CONTROL SAMPLE & LCSD: 374369			374370							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Components	mg/kg	167	148	157	89		50-114	5		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 374371		374372									
Parameter	Units	9258741002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Diesel Components	mg/kg	ND	193	193	98.9	97.2	51	50	50-107	2	
n-Pentacosane (S)	%						62	49	50-135		S2

QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

QC Batch: OEXT/8736 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 3546 Analysis Description: 8015 Solid GCSV
Associated Lab Samples: 9258741001, 9258741003

METHOD BLANK: 375795 Matrix: Solid

Associated Lab Samples: 9258741001, 9258741003

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

LABORATORY CONTROL SAMPLE & LCSD: 375796

375797

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Components	mg/kg	167	122	141	73		50-114	14		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 375798

375799

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

QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

QC Batch: OEXT/8732 Analysis Method: MADEP EPH
QC Batch Method: MADEP EPH Analysis Description: MADEP EPH NC Soil
Associated Lab Samples: 9258741001, 9258741002, 9258741003, 9258741004, 9258741005, 9258741006, 9258741007, 9258741008, 9258741009, 9258741010

METHOD BLANK: 375688 Matrix: Solid
Associated Lab Samples: 9258741001, 9258741002, 9258741003, 9258741004, 9258741005, 9258741006, 9258741007, 9258741008, 9258741009, 9258741010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aliphatic (C09-C18)	mg/kg	ND	10.0	12/09/09 21:34	
Aliphatic (C19-C36)	mg/kg	ND	10.0	12/09/09 21:34	
Aromatic (C11-C22)	mg/kg	ND	10.0	12/09/09 21:34	
2-Bromonaphthalene (S)	%	116	40-140	12/09/09 21:34	
2-Fluorobiphenyl (S)	%	114	40-140	12/09/09 21:34	
Nonatriacontane (S)	%	86	40-140	12/09/09 21:34	
o-Terphenyl (S)	%	96	40-140	12/09/09 21:34	

LABORATORY CONTROL SAMPLE & LCSD: 375689

375690

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	84	72	40-140		50	
Aliphatic (C19-C36)	mg/kg	13.3	13.6	10.7	102	81	40-140	23	50	
Aromatic (C11-C22)	mg/kg	28.3	22.4	21.6	79	76	40-140	4	50	
2-Bromonaphthalene (S)	%				91	84	40-140			
2-Fluorobiphenyl (S)	%				88	81	40-140			
Nonatriacontane (S)	%				92	82	40-140			
o-Terphenyl (S)	%				78	69	40-140			

QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

QC Batch: GCV/3664 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 5035A/5030B Analysis Description: Gasoline Range Organics
Associated Lab Samples: 9258741001, 9258741002

METHOD BLANK: 376356 Matrix: Solid

Associated Lab Samples: 9258741001, 9258741002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	6.0	12/09/09 19:41	
4-Bromofluorobenzene (S)	%	87	50-135	12/09/09 19:41	

LABORATORY CONTROL SAMPLE: 376357

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	25	18.4	74	70-150	
4-Bromofluorobenzene (S)	%			68	50-135	

MATRIX SPIKE SAMPLE: 376358

Parameter	Units	9258483004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	ND	29.5	27.4	93	70-148	
4-Bromofluorobenzene (S)	%				98	50-135	

SAMPLE DUPLICATE: 376359

Parameter	Units	9258530001 Result	Dup Result	RPD	Qualifiers
Gasoline Range Organics	mg/kg	ND	ND		
4-Bromofluorobenzene (S)	%		117	15	

QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

QC Batch: GCV/3668 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 5035A/5030B Analysis Description: Gasoline Range Organics
Associated Lab Samples: 9258741003, 9258741004, 9258741005, 9258741006, 9258741007, 9258741008, 9258741009, 9258741010

METHOD BLANK: 377636

Matrix: Solid

Associated Lab Samples: 9258741003, 9258741004, 9258741005, 9258741006, 9258741007, 9258741008, 9258741009, 9258741010

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

LABORATORY CONTROL SAMPLE: 377637

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

MATRIX SPIKE SAMPLE: 377638

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

SAMPLE DUPLICATE: 377639

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

QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

QC Batch: GCV/3663 Analysis Method: MADEP VPH
QC Batch Method: MADEP VPH Analysis Description: VPH NC Soil
Associated Lab Samples: 9258741001, 9258741002, 9258741003, 9258741004, 9258741005, 9258741006, 9258741007, 9258741008, 9258741009, 9258741010

METHOD BLANK: 376352 Matrix: Solid
Associated Lab Samples: 9258741001, 9258741002, 9258741003, 9258741004, 9258741005, 9258741006, 9258741007, 9258741008, 9258741009, 9258741010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aliphatic (C05-C08)	mg/kg	ND	10.0	12/09/09 20:52	
Aliphatic (C09-C12)	mg/kg	ND	10.0	12/09/09 20:52	
Aromatic (C09-C10)	mg/kg	ND	10.0	12/09/09 20:52	
2,5-Dibromotoluene (FID)(S)	%	92	70-130	12/09/09 20:52	
2,5-Dibromotoluene (PID)(S)	%	100	70-130	12/09/09 20:52	

LABORATORY CONTROL SAMPLE & LCSD: 376353		376354								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	mg/kg	15	16.7	17.3	111	115	70-130	4	25	
Aliphatic (C09-C12)	mg/kg	15	13.2	15.1	88	101	30-130	13	25	
Aromatic (C09-C10)	mg/kg	5	ND	ND	102	106	70-130		25	
2,5-Dibromotoluene (FID)(S)	%				115	113	70-130			
2,5-Dibromotoluene (PID)(S)	%				120	117	70-130			

QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

QC Batch: MSSV/1465 Analysis Method: EPA 8270
QC Batch Method: EPA 8270 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 9258741001, 9258741002, 9258741003, 9258741004, 9258741005, 9258741006, 9258741007, 9258741008, 9258741009, 9258741010

METHOD BLANK: 24701 Matrix: Solid
Associated Lab Samples: 9258741001, 9258741002, 9258741003, 9258741004, 9258741005, 9258741006, 9258741007, 9258741008, 9258741009, 9258741010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	167	12/12/09 00:34	
1,2-Dichlorobenzene	ug/kg	ND	167	12/12/09 00:34	
1,2-Diphenylhydrazine	ug/kg	ND	167	12/12/09 00:34	
1,3-Dichlorobenzene	ug/kg	ND	167	12/12/09 00:34	
1,4-Dichlorobenzene	ug/kg	ND	167	12/12/09 00:34	
1-Methylnaphthalene	ug/kg	ND	32.5	12/12/09 00:34	
2,4,5-Trichlorophenol	ug/kg	ND	167	12/12/09 00:34	
2,4,6-Trichlorophenol	ug/kg	ND	167	12/12/09 00:34	
2,4-Dichlorophenol	ug/kg	ND	167	12/12/09 00:34	
2,4-Dimethylphenol	ug/kg	ND	167	12/12/09 00:34	
2,4-Dinitrophenol	ug/kg	ND	659	12/12/09 00:34	
2,4-Dinitrotoluene	ug/kg	ND	167	12/12/09 00:34	
2,6-Dinitrotoluene	ug/kg	ND	167	12/12/09 00:34	
2-Chloronaphthalene	ug/kg	ND	167	12/12/09 00:34	
2-Chlorophenol	ug/kg	ND	167	12/12/09 00:34	
2-Methylnaphthalene	ug/kg	ND	32.5	12/12/09 00:34	
2-Methylphenol(o-Cresol)	ug/kg	ND	167	12/12/09 00:34	
2-Nitroaniline	ug/kg	ND	167	12/12/09 00:34	
2-Nitrophenol	ug/kg	ND	167	12/12/09 00:34	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	167	12/12/09 00:34	
3,3'-Dichlorobenzidine	ug/kg	ND	659	12/12/09 00:34	
3-Nitroaniline	ug/kg	ND	167	12/12/09 00:34	
4,6-Dinitro-2-methylphenol	ug/kg	ND	659	12/12/09 00:34	
4-Bromophenylphenyl ether	ug/kg	ND	167	12/12/09 00:34	
4-Chloro-3-methylphenol	ug/kg	ND	659	12/12/09 00:34	
4-Chloroaniline	ug/kg	ND	167	12/12/09 00:34	
4-Chlorophenylphenyl ether	ug/kg	ND	167	12/12/09 00:34	
4-Nitroaniline	ug/kg	ND	167	12/12/09 00:34	
4-Nitrophenol	ug/kg	ND	167	12/12/09 00:34	
Acenaphthene	ug/kg	ND	32.5	12/12/09 00:34	
Acenaphthylene	ug/kg	ND	32.5	12/12/09 00:34	
Anthracene	ug/kg	ND	32.5	12/12/09 00:34	
Benzo(a)anthracene	ug/kg	ND	32.5	12/12/09 00:34	
Benzo(a)pyrene	ug/kg	ND	32.5	12/12/09 00:34	
Benzo(b)fluoranthene	ug/kg	ND	32.5	12/12/09 00:34	
Benzo(g,h,i)perylene	ug/kg	ND	32.5	12/12/09 00:34	
Benzo(k)fluoranthene	ug/kg	ND	32.5	12/12/09 00:34	
bis(2-Chloroethoxy)methane	ug/kg	ND	167	12/12/09 00:34	
bis(2-Chloroethyl) ether	ug/kg	ND	167	12/12/09 00:34	
bis(2-Chloroisopropyl) ether	ug/kg	ND	167	12/12/09 00:34	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	167	12/12/09 00:34	

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QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

METHOD BLANK: 24701

Matrix: Solid

Associated Lab Samples: 9258741001, 9258741002, 9258741003, 9258741004, 9258741005, 9258741006, 9258741007, 9258741008, 9258741009, 9258741010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/kg	ND	167	12/12/09 00:34	
Chrysene	ug/kg	ND	32.5	12/12/09 00:34	
Di-n-butylphthalate	ug/kg	ND	167	12/12/09 00:34	
Di-n-octylphthalate	ug/kg	ND	167	12/12/09 00:34	
Dibenz(a,h)anthracene	ug/kg	ND	32.5	12/12/09 00:34	
Dibenzofuran	ug/kg	ND	167	12/12/09 00:34	
Diethylphthalate	ug/kg	ND	167	12/12/09 00:34	
Dimethylphthalate	ug/kg	ND	167	12/12/09 00:34	
Fluoranthene	ug/kg	ND	32.5	12/12/09 00:34	
Fluorene	ug/kg	ND	32.5	12/12/09 00:34	
Hexachloro-1,3-butadiene	ug/kg	ND	167	12/12/09 00:34	
Hexachlorobenzene	ug/kg	ND	167	12/12/09 00:34	
Hexachlorocyclopentadiene	ug/kg	ND	659	12/12/09 00:34	
Hexachloroethane	ug/kg	ND	167	12/12/09 00:34	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	32.5	12/12/09 00:34	
Isophorone	ug/kg	ND	167	12/12/09 00:34	
N-Nitroso-di-n-propylamine	ug/kg	ND	167	12/12/09 00:34	
N-Nitrosodimethylamine	ug/kg	ND	167	12/12/09 00:34	
N-Nitrosodiphenylamine	ug/kg	ND	167	12/12/09 00:34	
Naphthalene	ug/kg	ND	32.5	12/12/09 00:34	
Nitrobenzene	ug/kg	ND	167	12/12/09 00:34	
Pentachlorophenol	ug/kg	ND	659	12/12/09 00:34	
Phenanthrene	ug/kg	ND	32.5	12/12/09 00:34	
Phenol	ug/kg	ND	167	12/12/09 00:34	
Pyrene	ug/kg	ND	32.5	12/12/09 00:34	
2,4,6-Tribromophenol (S)	%	79	10-110	12/12/09 00:34	
2-Fluorobiphenyl (S)	%	76	18-110	12/12/09 00:34	
2-Fluorophenol (S)	%	67	18-110	12/12/09 00:34	
Nitrobenzene-d5 (S)	%	69	10-110	12/12/09 00:34	
Phenol-d6 (S)	%	69	10-110	12/12/09 00:34	
Terphenyl-d14 (S)	%	83	10-123	12/12/09 00:34	

LABORATORY CONTROL SAMPLE: 24702

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1620	1060	65	55.2-104.2	
1,2-Dichlorobenzene	ug/kg	1620	974	60	46.8-80.1	
1,2-Diphenylhydrazine	ug/kg	1620	1250	77		
1,3-Dichlorobenzene	ug/kg	1620	1020	63	46.4-80.6	
1,4-Dichlorobenzene	ug/kg	1620	1050	65	37.4-86.7	
1-Methylnaphthalene	ug/kg	1620	1070	66	20.7-121.7	
2,4,5-Trichlorophenol	ug/kg	1620	1330	82	58.1-101.3	
2,4,6-Trichlorophenol	ug/kg	1620	1330	82	46.2-106	
2,4-Dichlorophenol	ug/kg	1620	1160	72	47.1-102	

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QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

LABORATORY CONTROL SAMPLE: 24702

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	ug/kg	1620	1100	67	54.1-109.9	
2,4-Dinitrophenol	ug/kg	1620	1240	76	57.6-108	
2,4-Dinitrotoluene	ug/kg	1620	1310	81	62.7-99.2	
2,6-Dinitrotoluene	ug/kg	1620	1290	79	53.2-110.8	
2-Chloronaphthalene	ug/kg	1620	1180	73	49.8-101	
2-Chlorophenol	ug/kg	1620	1020	63	48.2-85.3	
2-Methylnaphthalene	ug/kg	1620	1140	70	20.9-121.3	
2-Methylphenol(o-Cresol)	ug/kg	1620	1100	68	53.2-93.1	
2-Nitroaniline	ug/kg	1620	1210	75	64.2-102.8	
2-Nitrophenol	ug/kg	1620	1100	68	35-142.5	
3&4-Methylphenol(m&p Cresol)	ug/kg	1620	1140	70	50.1-87	
3,3'-Dichlorobenzidine	ug/kg	1620	1510	93	51.7-91.9	L3
3-Nitroaniline	ug/kg	1620	1360	84	64.9-102.5	
4,6-Dinitro-2-methylphenol	ug/kg	1620	1300	80	49.2-104.9	
4-Bromophenylphenyl ether	ug/kg	1620	1280	79	61-96.5	
4-Chloro-3-methylphenol	ug/kg	1620	1180	73	63.4-98.7	
4-Chloroaniline	ug/kg	1620	1120	69	54.8-90.6	
4-Chlorophenylphenyl ether	ug/kg	1620	1290	80	55.1-97.6	
4-Nitroaniline	ug/kg	1620	1290	80	48.6-95.1	
4-Nitrophenol	ug/kg	1620	1590	98	27.1-112	
Acenaphthene	ug/kg	1620	1240	77	22-124.1	
Acenaphthylene	ug/kg	1620	1230	76	22.7-127.8	
Anthracene	ug/kg	1620	1340	83	23.8-117	
Benzo(a)anthracene	ug/kg	1620	1330	82	25.7-125	
Benzo(a)pyrene	ug/kg	1620	1310	81	25.5-126.9	
Benzo(b)fluoranthene	ug/kg	1620	1470	91	24.9-132.8	
Benzo(g,h,i)perylene	ug/kg	1620	1420	88	28.1-134.9	
Benzo(k)fluoranthene	ug/kg	1620	1210	75	30.1-135.6	
bis(2-Chloroethoxy)methane	ug/kg	1620	1070	66	51-93.2	
bis(2-Chloroethyl) ether	ug/kg	1620	959	59	50.3-86.8	
bis(2-Chloroisopropyl) ether	ug/kg	1620	1010	62	43.1-87.3	
bis(2-Ethylhexyl)phthalate	ug/kg	1620	1220	75	10-238.8	
Butylbenzylphthalate	ug/kg	1620	1310	81	55.5-116	
Chrysene	ug/kg	1620	1280	79	25.9-129.8	
Di-n-butylphthalate	ug/kg	1620	1290	79	63.2-102.6	
Di-n-octylphthalate	ug/kg	1620	1210	75	56.5-119.9	
Dibenz(a,h)anthracene	ug/kg	1620	1360	84	28.1-136	
Dibenzofuran	ug/kg	1620	1200	74	44-89.3	
Diethylphthalate	ug/kg	1620	1330	82	64.9-94.9	
Dimethylphthalate	ug/kg	1620	1310	81	55.3-94.5	
Fluoranthene	ug/kg	1620	1270	78	27.6-129.1	
Fluorene	ug/kg	1620	1340	83	22.1-134.4	
Hexachloro-1,3-butadiene	ug/kg	1620	1110	68	23.8-97.1	
Hexachlorobenzene	ug/kg	1620	1300	80	43.5-98.2	
Hexachlorocyclopentadiene	ug/kg	1620	988	61	37.1-91.2	
Hexachloroethane	ug/kg	1620	1000	62	50.9-110.2	
Indeno(1,2,3-cd)pyrene	ug/kg	1620	1350	83	27.4-134	
Isophorone	ug/kg	1620	1110	69	54.7-91.2	

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QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

LABORATORY CONTROL SAMPLE: 24702

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
N-Nitroso-di-n-propylamine	ug/kg	1620	1120	69	60.7-96.7	
N-Nitrosodimethylamine	ug/kg	1620	987	61	50.7-89.6	
N-Nitrosodiphenylamine	ug/kg	1620	1270	78	53.8-112.6	
Naphthalene	ug/kg	1620	1080	66	19.8-116.2	
Nitrobenzene	ug/kg	1620	999	62	54.6-87.7	
Pentachlorophenol	ug/kg	1620	1410	87	35.6-133.1	
Phenanthrene	ug/kg	1620	1300	80	27.7-128.9	
Phenol	ug/kg	1620	946	58	49.3-102.8	
Pyrene	ug/kg	1620	1280	79	27.7-128.9	
2,4,6-Tribromophenol (S)	%			84	10-110	
2-Fluorobiphenyl (S)	%			71	18-110	
2-Fluorophenol (S)	%			57	18-110	
Nitrobenzene-d5 (S)	%			65	10-110	
Phenol-d6 (S)	%			65	10-110	
Terphenyl-d14 (S)	%			80	10-123	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 24703 24704

Parameter	Units	9258559002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	1670	1670	1020	1200	61	72	55.2-104	16	
1,2-Dichlorobenzene	ug/kg	ND	1670	1670	949	1050	57	63	46.8-80.	10	
1,2-Diphenylhydrazine	ug/kg	ND	1670	1670	1300	1360	78	82		5	
1,3-Dichlorobenzene	ug/kg	ND	1670	1670	949	1090	57	65	46.4-80.	13	
1,4-Dichlorobenzene	ug/kg	ND	1670	1670	1030	1140	62	68	37.4-86.	10	
1-Methylnaphthalene	ug/kg	ND	1670	1670	1060	1260	63	75	20.7-121	17	
2,4,5-Trichlorophenol	ug/kg	ND	1670	1670	1340	1320	81	79	58.1-101	2	
2,4,6-Trichlorophenol	ug/kg	ND	1670	1670	1290	1490	78	89	46.2-106	14	
2,4-Dichlorophenol	ug/kg	ND	1670	1670	1120	1370	67	82	47.1-102	20	
2,4-Dimethylphenol	ug/kg	ND	1670	1670	1020	1220	61	73	54.1-109	18	
2,4-Dinitrophenol	ug/kg	ND	1670	1670	1140	1190	69	71	57.6-108	4	
2,4-Dinitrotoluene	ug/kg	ND	1670	1670	1310	1380	79	83	62.7-99.	5	
2,6-Dinitrotoluene	ug/kg	ND	1670	1670	1270	1340	76	80	53.2-110	5	
2-Chloronaphthalene	ug/kg	ND	1670	1670	1170	1250	70	75	49.8-101	7	
2-Chlorophenol	ug/kg	ND	1670	1670	996	1130	60	68	48.2-85.	13	
2-Methylnaphthalene	ug/kg	ND	1670	1670	1080	1290	65	77	20.9-121	17	
2-Methylphenol(o-Cresol)	ug/kg	ND	1670	1670	1000	1100	60	66	53.2-93.	9	
2-Nitroaniline	ug/kg	ND	1670	1670	1230	1330	74	80	64.2-102	8	
2-Nitrophenol	ug/kg	ND	1670	1670	1080	1260	65	76	35-142.5	16	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	1670	1670	1060	1150	63	69	50.1-87	8	
3,3'-Dichlorobenzidine	ug/kg	ND	1670	1670	1510	1540	90	92	51.7-91.	2 M0	
3-Nitroaniline	ug/kg	ND	1670	1670	1340	1400	80	84	64.9-102	5	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1670	1670	1360	1390	81	83	49.2-104	2	
4-Bromophenylphenyl ether	ug/kg	ND	1670	1670	1330	1340	80	80	61-96.5	.8	
4-Chloro-3-methylphenol	ug/kg	ND	1670	1670	1110	1390	67	83	63.4-98.	22	
4-Chloroaniline	ug/kg	ND	1670	1670	1030	1240	62	75	54.8-90.	18	

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QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 24703

24704

Parameter	Units	9258559002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
4-Chlorophenylphenyl ether	ug/kg	ND	1670	1670	1290	1350	78	81	55.1-97.	5	
4-Nitroaniline	ug/kg	ND	1670	1670	1370	1360	82	81	48.6-95.	1	
4-Nitrophenol	ug/kg	ND	1670	1670	1490	1640	89	98	27.1-112	9	
Acenaphthene	ug/kg	ND	1670	1670	1200	1320	72	79	22-124.1	9	
Acenaphthylene	ug/kg	ND	1670	1670	1150	1320	69	79	22.7-127	14	
Anthracene	ug/kg	ND	1670	1670	1380	1400	83	84	23.8-117	2	
Benzo(a)anthracene	ug/kg	ND	1670	1670	1330	1360	80	82	25.7-125	3	
Benzo(a)pyrene	ug/kg	ND	1670	1670	1320	1410	79	85	25.5-126	7	
Benzo(b)fluoranthene	ug/kg	ND	1670	1670	1430	1440	86	87	24.9-132	1	
Benzo(g,h,i)perylene	ug/kg	ND	1670	1670	1500	1590	90	95	28.1-134	6	
Benzo(k)fluoranthene	ug/kg	ND	1670	1670	1340	1480	80	89	30.1-135	10	
bis(2-Chloroethoxy)methane	ug/kg	ND	1670	1670	1010	1170	61	70	51-93.2	15	
bis(2-Chloroethyl) ether	ug/kg	ND	1670	1670	902	1060	54	64	50.3-86.	17	
bis(2-Chloroisopropyl) ether	ug/kg	ND	1670	1670	979	1090	59	66	43.1-87.	11	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	1670	1670	1250	1310	75	79	10-238.8	5	
Butylbenzylphthalate	ug/kg	ND	1670	1670	1300	1360	78	82	55.5-116	5	
Chrysene	ug/kg	ND	1670	1670	1330	1360	80	81	25.9-129	2	
Di-n-butylphthalate	ug/kg	ND	1670	1670	1390	1410	83	85	63.2-102	1	
Di-n-octylphthalate	ug/kg	ND	1670	1670	1270	1310	76	78	56.5-119	3	
Dibenz(a,h)anthracene	ug/kg	ND	1670	1670	1400	1480	84	89	28.1-136	5	
Dibenzofuran	ug/kg	ND	1670	1670	1210	1290	72	78	44-89.3	7	
Diethylphthalate	ug/kg	ND	1670	1670	1290	1360	77	82	64.9-94.	6	
Dimethylphthalate	ug/kg	ND	1670	1670	1280	1300	77	78	55.3-94.	1	
Fluoranthene	ug/kg	ND	1670	1670	1370	1350	82	81	27.6-129	2	
Fluorene	ug/kg	ND	1670	1670	1340	1430	80	86	22.1-134	7	
Hexachloro-1,3-butadiene	ug/kg	ND	1670	1670	1040	1180	62	71	23.8-97.	13	
Hexachlorobenzene	ug/kg	ND	1670	1670	1370	1410	82	84	43.5-98.	3	
Hexachlorocyclopentadiene	ug/kg	ND	1670	1670	967	1080	58	65	37.1-91.	11	
Hexachloroethane	ug/kg	ND	1670	1670	1010	1090	60	65	50.9-110	8	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	1670	1670	1380	1460	83	88	27.4-134	6	
Isophorone	ug/kg	ND	1670	1670	1030	1250	62	75	54.7-91.	20	
N-Nitroso-di-n-propylamine	ug/kg	ND	1670	1670	1080	1210	65	73	60.7-96.	11	
N-Nitrosodimethylamine	ug/kg	ND	1670	1670	922	1050	55	63	50.7-89.	13	
N-Nitrosodiphenylamine	ug/kg	ND	1670	1670	1350	1410	81	84	53.8-112	4	
Naphthalene	ug/kg	ND	1670	1670	1030	1180	62	71	19.8-116	14	
Nitrobenzene	ug/kg	ND	1670	1670	957	1150	57	69	54.6-87.	19	
Pentachlorophenol	ug/kg	ND	1670	1670	1370	1440	82	86	35.6-133	5	
Phenanthrene	ug/kg	ND	1670	1670	1340	1380	80	82	27.7-128	3	
Phenol	ug/kg	ND	1670	1670	877	1010	53	60	49.3-102	14	
Pyrene	ug/kg	ND	1670	1670	1330	1390	80	84	27.7-128	5	
2,4,6-Tribromophenol (S)	%						87	89	10-110		
2-Fluorobiphenyl (S)	%						67	75	18-110		
2-Fluorophenol (S)	%						47	57	18-110		
Nitrobenzene-d5 (S)	%						61	69	10-110		
Phenol-d6 (S)	%						56	63	10-110		
Terphenyl-d14 (S)	%						79	84	10-123		

QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

QC Batch: MSV/9238 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 9258741001, 9258741002, 9258741003, 9258741004, 9258741006

METHOD BLANK: 374981 Matrix: Solid
Associated Lab Samples: 9258741001, 9258741002, 9258741003, 9258741004, 9258741006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	12/04/09 21:56	
1,1,1-Trichloroethane	ug/kg	ND	5.0	12/04/09 21:56	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	12/04/09 21:56	
1,1,2-Trichloroethane	ug/kg	ND	5.0	12/04/09 21:56	
1,1-Dichloroethane	ug/kg	ND	5.0	12/04/09 21:56	
1,1-Dichloroethene	ug/kg	ND	5.0	12/04/09 21:56	
1,1-Dichloropropene	ug/kg	ND	5.0	12/04/09 21:56	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	12/04/09 21:56	
1,2,3-Trichloropropane	ug/kg	ND	5.0	12/04/09 21:56	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	12/04/09 21:56	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	12/04/09 21:56	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	12/04/09 21:56	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	12/04/09 21:56	
1,2-Dichlorobenzene	ug/kg	ND	5.0	12/04/09 21:56	
1,2-Dichloroethane	ug/kg	ND	5.0	12/04/09 21:56	
1,2-Dichloropropane	ug/kg	ND	5.0	12/04/09 21:56	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	12/04/09 21:56	
1,3-Dichlorobenzene	ug/kg	ND	5.0	12/04/09 21:56	
1,3-Dichloropropane	ug/kg	ND	5.0	12/04/09 21:56	
1,4-Dichlorobenzene	ug/kg	ND	5.0	12/04/09 21:56	
2,2-Dichloropropane	ug/kg	ND	5.0	12/04/09 21:56	
2-Butanone (MEK)	ug/kg	ND	100	12/04/09 21:56	
2-Chlorotoluene	ug/kg	ND	5.0	12/04/09 21:56	
2-Hexanone	ug/kg	ND	50.0	12/04/09 21:56	
4-Chlorotoluene	ug/kg	ND	5.0	12/04/09 21:56	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	12/04/09 21:56	
Acetone	ug/kg	ND	100	12/04/09 21:56	
Benzene	ug/kg	ND	5.0	12/04/09 21:56	
Bromobenzene	ug/kg	ND	5.0	12/04/09 21:56	
Bromochloromethane	ug/kg	ND	5.0	12/04/09 21:56	
Bromodichloromethane	ug/kg	ND	5.0	12/04/09 21:56	
Bromoform	ug/kg	ND	5.0	12/04/09 21:56	
Bromomethane	ug/kg	ND	10.0	12/04/09 21:56	
Carbon tetrachloride	ug/kg	ND	5.0	12/04/09 21:56	
Chlorobenzene	ug/kg	ND	5.0	12/04/09 21:56	
Chloroethane	ug/kg	ND	10.0	12/04/09 21:56	
Chloroform	ug/kg	ND	5.0	12/04/09 21:56	
Chloromethane	ug/kg	ND	10.0	12/04/09 21:56	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	12/04/09 21:56	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	12/04/09 21:56	
Dibromochloromethane	ug/kg	ND	5.0	12/04/09 21:56	
Dibromomethane	ug/kg	ND	5.0	12/04/09 21:56	
Dichlorodifluoromethane	ug/kg	ND	10.0	12/04/09 21:56	

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QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

METHOD BLANK: 374981

Matrix: Solid

Associated Lab Samples: 9258741001, 9258741002, 9258741003, 9258741004, 9258741006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	ND	5.0	12/04/09 21:56	
Ethylbenzene	ug/kg	ND	5.0	12/04/09 21:56	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	12/04/09 21:56	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	12/04/09 21:56	
m&p-Xylene	ug/kg	ND	10.0	12/04/09 21:56	
Methyl-tert-butyl ether	ug/kg	ND	5.0	12/04/09 21:56	
Methylene Chloride	ug/kg	ND	20.0	12/04/09 21:56	
n-Butylbenzene	ug/kg	ND	5.0	12/04/09 21:56	
n-Propylbenzene	ug/kg	ND	5.0	12/04/09 21:56	
Naphthalene	ug/kg	ND	5.0	12/04/09 21:56	
o-Xylene	ug/kg	ND	5.0	12/04/09 21:56	
p-Isopropyltoluene	ug/kg	ND	5.0	12/04/09 21:56	
sec-Butylbenzene	ug/kg	ND	5.0	12/04/09 21:56	
Styrene	ug/kg	ND	5.0	12/04/09 21:56	
tert-Butylbenzene	ug/kg	ND	5.0	12/04/09 21:56	
Tetrachloroethene	ug/kg	ND	5.0	12/04/09 21:56	
Toluene	ug/kg	ND	5.0	12/04/09 21:56	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	12/04/09 21:56	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	12/04/09 21:56	
Trichloroethene	ug/kg	ND	5.0	12/04/09 21:56	
Trichlorofluoromethane	ug/kg	ND	5.0	12/04/09 21:56	
Vinyl acetate	ug/kg	ND	50.0	12/04/09 21:56	
Vinyl chloride	ug/kg	ND	10.0	12/04/09 21:56	
Xylene (Total)	ug/kg	ND	10.0	12/04/09 21:56	
1,2-Dichloroethane-d4 (S)	%	109	69-121	12/04/09 21:56	
4-Bromofluorobenzene (S)	%	96	74-115	12/04/09 21:56	
Dibromofluoromethane (S)	%	106	79-116	12/04/09 21:56	
Toluene-d8 (S)	%	100	88-110	12/04/09 21:56	

LABORATORY CONTROL SAMPLE: 374982

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	55.9	112	75-137	
1,1,1-Trichloroethane	ug/kg	50	55.6	111	70-140	
1,1,2,2-Tetrachloroethane	ug/kg	50	55.0	110	74-133	
1,1,2-Trichloroethane	ug/kg	50	57.1	114	79-129	
1,1-Dichloroethane	ug/kg	50	52.9	106	72-139	
1,1-Dichloroethene	ug/kg	50	54.3	109	69-154	
1,1-Dichloropropene	ug/kg	50	54.2	108	74-138	
1,2,3-Trichlorobenzene	ug/kg	50	45.7	91	71-150	
1,2,3-Trichloropropane	ug/kg	50	56.4	113	74-135	
1,2,4-Trichlorobenzene	ug/kg	50	42.2	84	68-150	
1,2,4-Trimethylbenzene	ug/kg	50	50.8	102	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	50	57.0	114	65-146	
1,2-Dibromoethane (EDB)	ug/kg	50	55.9	112	77-136	

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QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

LABORATORY CONTROL SAMPLE: 374982

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	50	48.2	96	75-141	
1,2-Dichloroethane	ug/kg	50	59.5	119	74-134	
1,2-Dichloropropane	ug/kg	50	60.0	120	77-138	
1,3,5-Trimethylbenzene	ug/kg	50	49.4	99	65-128	
1,3-Dichlorobenzene	ug/kg	50	47.0	94	76-133	
1,3-Dichloropropane	ug/kg	50	55.7	111	79-132	
1,4-Dichlorobenzene	ug/kg	50	45.8	92	75-137	
2,2-Dichloropropane	ug/kg	50	46.3	93	73-137	
2-Butanone (MEK)	ug/kg	100	119	119	61-138	
2-Chlorotoluene	ug/kg	50	48.3	97	73-138	
2-Hexanone	ug/kg	100	119	119	58-159	
4-Chlorotoluene	ug/kg	50	50.1	100	75-136	
4-Methyl-2-pentanone (MIBK)	ug/kg	100	123	123	74-139	
Acetone	ug/kg	100	113	113	58-150	
Benzene	ug/kg	50	52.1	104	71-140	
Bromobenzene	ug/kg	50	54.2	108	72-144	
Bromochloromethane	ug/kg	50	59.0	118	78-133	
Bromodichloromethane	ug/kg	50	55.7	111	78-133	
Bromoform	ug/kg	50	57.8	116	74-132	
Bromomethane	ug/kg	50	55.2	110	63-184	
Carbon tetrachloride	ug/kg	50	64.1	128	73-143	
Chlorobenzene	ug/kg	50	49.7	99	77-137	
Chloroethane	ug/kg	50	57.0	114	68-146	
Chloroform	ug/kg	50	53.4	107	75-137	
Chloromethane	ug/kg	50	53.8	108	54-143	
cis-1,2-Dichloroethene	ug/kg	50	53.3	107	71-143	
cis-1,3-Dichloropropene	ug/kg	50	57.1	114	76-133	
Dibromochloromethane	ug/kg	50	54.6	109	77-131	
Dibromomethane	ug/kg	50	57.0	114	63-184	
Dichlorodifluoromethane	ug/kg	50	51.0	102	36-173	
Diisopropyl ether	ug/kg	50	53.7	107	68-144	
Ethylbenzene	ug/kg	50	50.1	100	69-141	
Hexachloro-1,3-butadiene	ug/kg	50	46.6	93	70-152	
Isopropylbenzene (Cumene)	ug/kg	50	50.8	102	77-143	
m&p-Xylene	ug/kg	100	100	100	72-138	
Methyl-tert-butyl ether	ug/kg	50	54.8	110	2-138	
Methylene Chloride	ug/kg	50	56.8	114	69-136	
n-Butylbenzene	ug/kg	50	46.7	93	65-128	
n-Propylbenzene	ug/kg	50	49.9	100	72-139	
Naphthalene	ug/kg	50	50.1	100	61-138	
o-Xylene	ug/kg	50	51.8	104	74-137	
p-Isopropyltoluene	ug/kg	50	48.4	97	66-128	
sec-Butylbenzene	ug/kg	50	49.5	99	72-140	
Styrene	ug/kg	50	50.8	102	76-137	
tert-Butylbenzene	ug/kg	50	51.6	103	68-141	
Tetrachloroethene	ug/kg	50	48.7	97	72-136	
Toluene	ug/kg	50	50.6	101	69-139	
trans-1,2-Dichloroethene	ug/kg	50	48.9	98	72-144	

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QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

LABORATORY CONTROL SAMPLE: 374982

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	50	59.7	119	73-135	
Trichloroethene	ug/kg	50	53.5	107	75-136	
Trichlorofluoromethane	ug/kg	50	55.1	110	69-144	
Vinyl acetate	ug/kg	100	42J	42	50-150 L0	
Vinyl chloride	ug/kg	50	58.5	117	61-145	
Xylene (Total)	ug/kg	150	152	101	73-138	
1,2-Dichloroethane-d4 (S)	%			105	69-121	
4-Bromofluorobenzene (S)	%			98	74-115	
Dibromofluoromethane (S)	%			107	79-116	
Toluene-d8 (S)	%			99	88-110	

MATRIX SPIKE SAMPLE: 375566

Parameter	Units	9258751015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	45.8	50.1	109	70-130	
1,1,1-Trichloroethane	ug/kg	8.7	45.8	155	319	70-130 M0	
1,1,2,2-Tetrachloroethane	ug/kg	ND	45.8	51.7	113	70-130	
1,1,2-Trichloroethane	ug/kg	ND	45.8	55.0	120	70-130	
1,1-Dichloroethane	ug/kg	1.0J	45.8	69.3	149	70-130 M0	
1,1-Dichloroethene	ug/kg	ND	45.8	64.2	140	33-158	
1,1-Dichloropropene	ug/kg	ND	45.8	52.7	115	70-130	
1,2,3-Trichlorobenzene	ug/kg	ND	45.8	15.6	34	70-130 M0	
1,2,3-Trichloropropane	ug/kg	ND	45.8	57.0	124	70-130	
1,2,4-Trichlorobenzene	ug/kg	ND	45.8	15.5	34	70-130 M0	
1,2,4-Trimethylbenzene	ug/kg	ND	45.8	37.2	81	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	ND	45.8	82.5	180	70-130 M0	
1,2-Dibromoethane (EDB)	ug/kg	ND	45.8	59.2	129	70-130	
1,2-Dichlorobenzene	ug/kg	ND	45.8	45.0	98	70-130	
1,2-Dichloroethane	ug/kg	ND	45.8	63.5	139	44-147	
1,2-Dichloropropane	ug/kg	ND	45.8	57.1	125	70-130	
1,3,5-Trimethylbenzene	ug/kg	ND	45.8	34.0	74	70-130	
1,3-Dichlorobenzene	ug/kg	ND	45.8	42.8	93	70-130	
1,3-Dichloropropane	ug/kg	ND	45.8	58.6	128	70-130	
1,4-Dichlorobenzene	ug/kg	ND	45.8	45.0	98	70-130	
2,2-Dichloropropane	ug/kg	ND	45.8	53.7	117	70-130	
2-Butanone (MEK)	ug/kg	ND	91.7	137	149	70-130 M0	
2-Chlorotoluene	ug/kg	ND	45.8	50.3	110	70-130	
2-Hexanone	ug/kg	ND	91.7	146	159	70-130 M0	
4-Chlorotoluene	ug/kg	ND	45.8	53.1	116	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	91.7	134	147	70-130 M0	
Acetone	ug/kg	ND	91.7	159	173	70-130 M0	
Benzene	ug/kg	ND	45.8	51.2	112	46-143	
Bromobenzene	ug/kg	ND	45.8	72.0	157	70-130 M0	
Bromochloromethane	ug/kg	ND	45.8	52.5	115	70-130	
Bromodichloromethane	ug/kg	ND	45.8	53.4	117	70-130	
Bromoform	ug/kg	ND	45.8	56.9	124	70-130	
Bromomethane	ug/kg	ND	45.8	51.1	112	70-130	

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QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL

Pace Project No.: 9258741

MATRIX SPIKE SAMPLE: 375566

Parameter	Units	9258751015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	ND	45.8	47.0	103	70-130	
Chlorobenzene	ug/kg	ND	45.8	47.3	103	29-159	
Chloroethane	ug/kg	ND	45.8	67.6	148	70-130	M0
Chloroform	ug/kg	ND	45.8	53.4	117	70-130	
Chloromethane	ug/kg	ND	45.8	60.0	131	70-130	M0
cis-1,2-Dichloroethene	ug/kg	1.2J	45.8	64.5	138	70-130	M0
cis-1,3-Dichloropropene	ug/kg	ND	45.8	55.1	120	70-130	
Dibromochloromethane	ug/kg	ND	45.8	55.3	121	70-130	
Dibromomethane	ug/kg	ND	45.8	58.8	128	70-130	
Dichlorodifluoromethane	ug/kg	ND	45.8	63.3	138	70-130	M0
Diisopropyl ether	ug/kg	ND	45.8	57.9	126	70-130	
Ethylbenzene	ug/kg	ND	45.8	40.0	87	70-130	
Hexachloro-1,3-butadiene	ug/kg	ND	45.8	6.8	15	70-130	M0
Isopropylbenzene (Cumene)	ug/kg	ND	45.8	26.6	58	70-130	M0
m&p-Xylene	ug/kg	ND	91.7	77.7	85	70-130	
Methyl-tert-butyl ether	ug/kg	ND	45.8	60.4	132	70-130	M0
Methylene Chloride	ug/kg	ND	45.8	66.0	144	70-130	M0
n-Butylbenzene	ug/kg	ND	45.8	17.4	38	70-130	M0
n-Propylbenzene	ug/kg	ND	45.8	37.9	83	70-130	
Naphthalene	ug/kg	ND	45.8	31.9	70	70-130	
o-Xylene	ug/kg	ND	45.8	40.0	87	70-130	
p-Isopropyltoluene	ug/kg	ND	45.8	22.0	48	70-130	M0
sec-Butylbenzene	ug/kg	ND	45.8	21.7	47	70-130	M0
Styrene	ug/kg	ND	45.8	42.8	93	70-130	
tert-Butylbenzene	ug/kg	ND	45.8	27.9	61	70-130	M0
Tetrachloroethene	ug/kg	2.3J	45.8	93.3	198	70-130	M0
Toluene	ug/kg	ND	45.8	45.7	100	38-145	
trans-1,2-Dichloroethene	ug/kg	ND	45.8	60.5	132	70-130	M0
trans-1,3-Dichloropropene	ug/kg	ND	45.8	57.9	126	70-130	
Trichloroethene	ug/kg	ND	45.8	58.8	128	70-130	
Trichlorofluoromethane	ug/kg	ND	45.8	62.5	136	70-130	M0
Vinyl acetate	ug/kg	ND	91.7	118	128	70-130	
Vinyl chloride	ug/kg	ND	45.8	65.2	142	70-130	M0
1,2-Dichloroethane-d4 (S)	%				121	69-121	
4-Bromofluorobenzene (S)	%				85	74-115	
Dibromofluoromethane (S)	%				106	79-116	
Toluene-d8 (S)	%				93	88-110	

SAMPLE DUPLICATE: 375407

Parameter	Units	9258741001 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		

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QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

SAMPLE DUPLICATE: 375407

Parameter	Units	9258741001 Result	Dup Result	RPD	Qualifiers
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	4.6J		
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		
1,2-Dichlorobenzene	ug/kg	ND	ND		
1,2-Dichloroethane	ug/kg	ND	ND		
1,2-Dichloropropane	ug/kg	ND	ND		
1,3,5-Trimethylbenzene	ug/kg	ND	ND		
1,3-Dichlorobenzene	ug/kg	ND	ND		
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	59.3J		
Benzene	ug/kg	ND	ND		
Bromobenzene	ug/kg	ND	ND		
Bromochloromethane	ug/kg	ND	ND		
Bromodichloromethane	ug/kg	ND	ND		
Bromoform	ug/kg	ND	ND		
Bromomethane	ug/kg	ND	ND		
Carbon tetrachloride	ug/kg	ND	ND		
Chlorobenzene	ug/kg	ND	ND		
Chloroethane	ug/kg	ND	ND		
Chloroform	ug/kg	ND	ND		
Chloromethane	ug/kg	ND	ND		
cis-1,2-Dichloroethene	ug/kg	ND	ND		
cis-1,3-Dichloropropene	ug/kg	ND	ND		
Dibromochloromethane	ug/kg	ND	ND		
Dibromomethane	ug/kg	ND	ND		
Dichlorodifluoromethane	ug/kg	ND	ND		
Diisopropyl ether	ug/kg	ND	ND		
Ethylbenzene	ug/kg	ND	ND		
Hexachloro-1,3-butadiene	ug/kg	ND	ND		
Isopropylbenzene (Cumene)	ug/kg	ND	ND		
m&p-Xylene	ug/kg	ND	ND		
Methyl-tert-butyl ether	ug/kg	ND	ND		
Methylene Chloride	ug/kg	ND	ND		
n-Butylbenzene	ug/kg	ND	ND		
n-Propylbenzene	ug/kg	ND	ND		
Naphthalene	ug/kg	ND	ND		
o-Xylene	ug/kg	ND	ND		

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QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

SAMPLE DUPLICATE: 375407

Parameter	Units	9258741001 Result	Dup Result	RPD	Qualifiers
p-Isopropyltoluene	ug/kg	ND	ND		
sec-Butylbenzene	ug/kg	ND	ND		
Styrene	ug/kg	ND	ND		
tert-Butylbenzene	ug/kg	ND	ND		
Tetrachloroethene	ug/kg	ND	ND		
Toluene	ug/kg	ND	ND		
trans-1,2-Dichloroethene	ug/kg	ND	ND		
trans-1,3-Dichloropropene	ug/kg	ND	ND		
Trichloroethene	ug/kg	ND	ND		
Trichlorofluoromethane	ug/kg	ND	ND		
Vinyl acetate	ug/kg	ND	ND		
Vinyl chloride	ug/kg	ND	ND		
Xylene (Total)	ug/kg	ND	ND		
1,2-Dichloroethane-d4 (S)	%	120	100	0	
4-Bromofluorobenzene (S)	%	96	97	20	
Dibromofluoromethane (S)	%	102	94	11	
Toluene-d8 (S)	%	102	100	16	

QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

QC Batch: MSV/9239 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 9258741005, 9258741007, 9258741008, 9258741009, 9258741010

METHOD BLANK: 374983 Matrix: Solid
Associated Lab Samples: 9258741005, 9258741007, 9258741008, 9258741009, 9258741010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	12/04/09 21:38	
1,1,1-Trichloroethane	ug/kg	ND	5.0	12/04/09 21:38	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	12/04/09 21:38	
1,1,2-Trichloroethane	ug/kg	ND	5.0	12/04/09 21:38	
1,1-Dichloroethane	ug/kg	ND	5.0	12/04/09 21:38	
1,1-Dichloroethene	ug/kg	ND	5.0	12/04/09 21:38	
1,1-Dichloropropene	ug/kg	ND	5.0	12/04/09 21:38	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	12/04/09 21:38	
1,2,3-Trichloropropane	ug/kg	ND	5.0	12/04/09 21:38	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	12/04/09 21:38	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	12/04/09 21:38	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	12/04/09 21:38	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	12/04/09 21:38	
1,2-Dichlorobenzene	ug/kg	ND	5.0	12/04/09 21:38	
1,2-Dichloroethane	ug/kg	ND	5.0	12/04/09 21:38	
1,2-Dichloropropane	ug/kg	ND	5.0	12/04/09 21:38	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	12/04/09 21:38	
1,3-Dichlorobenzene	ug/kg	ND	5.0	12/04/09 21:38	
1,3-Dichloropropane	ug/kg	ND	5.0	12/04/09 21:38	
1,4-Dichlorobenzene	ug/kg	ND	5.0	12/04/09 21:38	
2,2-Dichloropropane	ug/kg	ND	5.0	12/04/09 21:38	
2-Butanone (MEK)	ug/kg	ND	100	12/04/09 21:38	
2-Chlorotoluene	ug/kg	ND	5.0	12/04/09 21:38	
2-Hexanone	ug/kg	ND	50.0	12/04/09 21:38	
4-Chlorotoluene	ug/kg	ND	5.0	12/04/09 21:38	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	12/04/09 21:38	
Acetone	ug/kg	ND	100	12/04/09 21:38	
Benzene	ug/kg	ND	5.0	12/04/09 21:38	
Bromobenzene	ug/kg	ND	5.0	12/04/09 21:38	
Bromochloromethane	ug/kg	ND	5.0	12/04/09 21:38	
Bromodichloromethane	ug/kg	ND	5.0	12/04/09 21:38	
Bromoform	ug/kg	ND	5.0	12/04/09 21:38	
Bromomethane	ug/kg	ND	10.0	12/04/09 21:38	
Carbon tetrachloride	ug/kg	ND	5.0	12/04/09 21:38	
Chlorobenzene	ug/kg	ND	5.0	12/04/09 21:38	
Chloroethane	ug/kg	ND	10.0	12/04/09 21:38	
Chloroform	ug/kg	ND	5.0	12/04/09 21:38	
Chloromethane	ug/kg	ND	10.0	12/04/09 21:38	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	12/04/09 21:38	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	12/04/09 21:38	
Dibromochloromethane	ug/kg	ND	5.0	12/04/09 21:38	
Dibromomethane	ug/kg	ND	5.0	12/04/09 21:38	
Dichlorodifluoromethane	ug/kg	ND	10.0	12/04/09 21:38	

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QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

METHOD BLANK: 374983

Matrix: Solid

Associated Lab Samples: 9258741005, 9258741007, 9258741008, 9258741009, 9258741010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	ND	5.0	12/04/09 21:38	
Ethylbenzene	ug/kg	ND	5.0	12/04/09 21:38	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	12/04/09 21:38	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	12/04/09 21:38	
m&p-Xylene	ug/kg	ND	10.0	12/04/09 21:38	
Methyl-tert-butyl ether	ug/kg	ND	5.0	12/04/09 21:38	
Methylene Chloride	ug/kg	ND	20.0	12/04/09 21:38	
n-Butylbenzene	ug/kg	ND	5.0	12/04/09 21:38	
n-Propylbenzene	ug/kg	ND	5.0	12/04/09 21:38	
Naphthalene	ug/kg	ND	5.0	12/04/09 21:38	
o-Xylene	ug/kg	ND	5.0	12/04/09 21:38	
p-Isopropyltoluene	ug/kg	ND	5.0	12/04/09 21:38	
sec-Butylbenzene	ug/kg	ND	5.0	12/04/09 21:38	
Styrene	ug/kg	ND	5.0	12/04/09 21:38	
tert-Butylbenzene	ug/kg	ND	5.0	12/04/09 21:38	
Tetrachloroethene	ug/kg	ND	5.0	12/04/09 21:38	
Toluene	ug/kg	ND	5.0	12/04/09 21:38	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	12/04/09 21:38	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	12/04/09 21:38	
Trichloroethene	ug/kg	ND	5.0	12/04/09 21:38	
Trichlorofluoromethane	ug/kg	ND	5.0	12/04/09 21:38	
Vinyl acetate	ug/kg	ND	50.0	12/04/09 21:38	
Vinyl chloride	ug/kg	ND	10.0	12/04/09 21:38	
Xylene (Total)	ug/kg	ND	10.0	12/04/09 21:38	
1,2-Dichloroethane-d4 (S)	%	109	69-121	12/04/09 21:38	
4-Bromofluorobenzene (S)	%	94	74-115	12/04/09 21:38	
Dibromofluoromethane (S)	%	113	79-116	12/04/09 21:38	
Toluene-d8 (S)	%	100	88-110	12/04/09 21:38	

LABORATORY CONTROL SAMPLE: 374984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	56.2	112	75-137	
1,1,1-Trichloroethane	ug/kg	50	54.3	109	70-140	
1,1,2,2-Tetrachloroethane	ug/kg	50	55.5	111	74-133	
1,1,2-Trichloroethane	ug/kg	50	57.1	114	79-129	
1,1-Dichloroethane	ug/kg	50	52.6	105	72-139	
1,1-Dichloroethene	ug/kg	50	54.1	108	69-154	
1,1-Dichloropropene	ug/kg	50	53.6	107	74-138	
1,2,3-Trichlorobenzene	ug/kg	50	41.8	84	71-150	
1,2,3-Trichloropropane	ug/kg	50	56.1	112	74-135	
1,2,4-Trichlorobenzene	ug/kg	50	38.4	77	68-150	
1,2,4-Trimethylbenzene	ug/kg	50	49.9	100	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	50	52.6	105	65-146	
1,2-Dibromoethane (EDB)	ug/kg	50	56.5	113	77-136	

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QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

LABORATORY CONTROL SAMPLE: 374984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	50	47.1	94	75-141	
1,2-Dichloroethane	ug/kg	50	59.6	119	74-134	
1,2-Dichloropropane	ug/kg	50	59.6	119	77-138	
1,3,5-Trimethylbenzene	ug/kg	50	48.8	98	65-128	
1,3-Dichlorobenzene	ug/kg	50	45.2	90	76-133	
1,3-Dichloropropane	ug/kg	50	55.7	111	79-132	
1,4-Dichlorobenzene	ug/kg	50	44.9	90	75-137	
2,2-Dichloropropane	ug/kg	50	45.8	92	73-137	
2-Butanone (MEK)	ug/kg	100	117	117	61-138	
2-Chlorotoluene	ug/kg	50	47.5	95	73-138	
2-Hexanone	ug/kg	100	119	119	58-159	
4-Chlorotoluene	ug/kg	50	48.6	97	75-136	
4-Methyl-2-pentanone (MIBK)	ug/kg	100	125	125	74-139	
Acetone	ug/kg	100	125	125	58-150	
Benzene	ug/kg	50	51.8	104	71-140	
Bromobenzene	ug/kg	50	53.7	107	72-144	
Bromochloromethane	ug/kg	50	59.2	118	78-133	
Bromodichloromethane	ug/kg	50	55.6	111	78-133	
Bromoform	ug/kg	50	58.2	116	74-132	
Bromomethane	ug/kg	50	56.3	113	63-184	
Carbon tetrachloride	ug/kg	50	55.2	110	73-143	
Chlorobenzene	ug/kg	50	49.0	98	77-137	
Chloroethane	ug/kg	50	57.0	114	68-146	
Chloroform	ug/kg	50	53.7	107	75-137	
Chloromethane	ug/kg	50	53.2	106	54-143	
cis-1,2-Dichloroethene	ug/kg	50	53.2	106	71-143	
cis-1,3-Dichloropropene	ug/kg	50	56.0	112	76-133	
Dibromochloromethane	ug/kg	50	55.2	110	77-131	
Dibromomethane	ug/kg	50	56.5	113	63-184	
Dichlorodifluoromethane	ug/kg	50	50.9	102	36-173	
Diisopropyl ether	ug/kg	50	53.3	107	68-144	
Ethylbenzene	ug/kg	50	49.7	99	69-141	
Hexachloro-1,3-butadiene	ug/kg	50	44.3	89	70-152	
Isopropylbenzene (Cumene)	ug/kg	50	50.5	101	77-143	
m&p-Xylene	ug/kg	100	98.4	98	72-138	
Methyl-tert-butyl ether	ug/kg	50	53.7	107	2-138	
Methylene Chloride	ug/kg	50	58.3	117	69-136	
n-Butylbenzene	ug/kg	50	44.2	88	65-128	
n-Propylbenzene	ug/kg	50	49.7	99	72-139	
Naphthalene	ug/kg	50	47.0	94	61-138	
o-Xylene	ug/kg	50	51.5	103	74-137	
p-Isopropyltoluene	ug/kg	50	47.5	95	66-128	
sec-Butylbenzene	ug/kg	50	48.8	98	72-140	
Styrene	ug/kg	50	50.3	101	76-137	
tert-Butylbenzene	ug/kg	50	51.8	104	68-141	
Tetrachloroethene	ug/kg	50	48.2	96	72-136	
Toluene	ug/kg	50	50.3	101	69-139	
trans-1,2-Dichloroethene	ug/kg	50	49.3	99	72-144	

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QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

LABORATORY CONTROL SAMPLE: 374984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	50	60.2	120	73-135	
Trichloroethene	ug/kg	50	52.9	106	75-136	
Trichlorofluoromethane	ug/kg	50	54.8	110	69-144	
Vinyl acetate	ug/kg	100	38.3J	38	50-150 L0	
Vinyl chloride	ug/kg	50	58.1	116	61-145	
Xylene (Total)	ug/kg	150	150	100	73-138	
1,2-Dichloroethane-d4 (S)	%			104	69-121	
4-Bromofluorobenzene (S)	%			98	74-115	
Dibromofluoromethane (S)	%			98	79-116	
Toluene-d8 (S)	%			99	88-110	

MATRIX SPIKE SAMPLE: 375444

Parameter	Units	9258741007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/kg	ND	37.8	34.1	90	33-158	
Benzene	ug/kg	ND	37.8	33.7	89	46-143	
Chlorobenzene	ug/kg	ND	37.8	33.5	89	29-159	
Toluene	ug/kg	ND	37.8	33.6	89	38-145	
Trichloroethene	ug/kg	ND	37.8	35.3	93	70-130	
1,2-Dichloroethane-d4 (S)	%				104	69-121	
4-Bromofluorobenzene (S)	%				95	74-115	
Dibromofluoromethane (S)	%				96	79-116	
Toluene-d8 (S)	%				99	88-110	

SAMPLE DUPLICATE: 375445

Parameter	Units	9258756001 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		
1,2-Dichloropropane	ug/kg	ND	ND		
1,3,5-Trimethylbenzene	ug/kg	ND	ND		
1,3-Dichlorobenzene	ug/kg	ND	ND		

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QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

SAMPLE DUPLICATE: 375445

Parameter	Units	9258756001 Result	Dup Result	RPD	Qualifiers
1,3-Dichloropropane	ug/kg	ND	ND		
1,4-Dichlorobenzene	ug/kg	ND	ND		
2,2-Dichloropropane	ug/kg	ND	ND		
2-Butanone (MEK)	ug/kg	ND	ND		
2-Chlorotoluene	ug/kg	ND	ND		
2-Hexanone	ug/kg	ND	ND		
4-Chlorotoluene	ug/kg	ND	ND		
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		
Acetone	ug/kg	ND	54.3J		
Benzene	ug/kg	ND	ND		
Bromobenzene	ug/kg	ND	ND		
Bromochloromethane	ug/kg	ND	ND		
Bromodichloromethane	ug/kg	ND	ND		
Bromoform	ug/kg	ND	ND		
Bromomethane	ug/kg	ND	ND		
Carbon tetrachloride	ug/kg	ND	ND		
Chlorobenzene	ug/kg	ND	ND		
Chloroethane	ug/kg	ND	ND		
Chloroform	ug/kg	ND	ND		
Chloromethane	ug/kg	ND	ND		
cis-1,2-Dichloroethene	ug/kg	ND	ND		
cis-1,3-Dichloropropene	ug/kg	ND	ND		
Dibromochloromethane	ug/kg	ND	ND		
Dibromomethane	ug/kg	ND	ND		
Dichlorodifluoromethane	ug/kg	ND	ND		
Diisopropyl ether	ug/kg	ND	ND		
Ethylbenzene	ug/kg	ND	ND		
Hexachloro-1,3-butadiene	ug/kg	ND	ND		
Isopropylbenzene (Cumene)	ug/kg	ND	ND		
m&p-Xylene	ug/kg	ND	ND		
Methyl-tert-butyl ether	ug/kg	ND	ND		
Methylene Chloride	ug/kg	ND	ND		
n-Butylbenzene	ug/kg	ND	ND		
n-Propylbenzene	ug/kg	ND	ND		
Naphthalene	ug/kg	ND	ND		
o-Xylene	ug/kg	ND	ND		
p-Isopropyltoluene	ug/kg	ND	ND		
sec-Butylbenzene	ug/kg	ND	ND		
Styrene	ug/kg	ND	ND		
tert-Butylbenzene	ug/kg	ND	ND		
Tetrachloroethene	ug/kg	ND	ND		
Toluene	ug/kg	ND	ND		
trans-1,2-Dichloroethene	ug/kg	ND	ND		
trans-1,3-Dichloropropene	ug/kg	ND	ND		
Trichloroethene	ug/kg	ND	ND		
Trichlorofluoromethane	ug/kg	ND	ND		
Vinyl acetate	ug/kg	ND	ND		
Vinyl chloride	ug/kg	ND	ND		

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QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

SAMPLE DUPLICATE: 375445

Parameter	Units	9258756001 Result	Dup Result	RPD	Qualifiers
Xylene (Total)	ug/kg	ND	ND		
1,2-Dichloroethane-d4 (S)	%	114	98	33	
4-Bromofluorobenzene (S)	%	95	99	14	
Dibromofluoromethane (S)	%	101	94	25	
Toluene-d8 (S)	%	100	100	18	

QUALITY CONTROL DATA

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

QC Batch: PMST/2911 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 9258741001, 9258741002, 9258741003, 9258741004, 9258741005, 9258741006, 9258741007, 9258741008,
9258741009, 9258741010

SAMPLE DUPLICATE: 374417

Parameter	Units	9258742001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	3.0	2.4	21	

SAMPLE DUPLICATE: 374418

Parameter	Units	9258751012 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	4.8	4.5	7	

QUALIFIERS

Project: TT-2 TANK REMOVAL
Pace Project No.: 9258741

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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

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

LABORATORIES

PASI-C Pace Analytical Services - Charlotte
PASI-O Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

IS The internal standard response is below criteria. Results may be biased high.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.

S2 Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).

S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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).

S6 Surrogate recovery outside control limits. Data accepted based on valid recovery of applicable surrogates (no analytes associated with this surrogate)



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: <u>1</u> of <u>1</u> 1322748	
Company: <u>MEC CORP</u>		Report To: <u>Rob Finley</u>		Attention: <u>JULIE SMITH</u>		REGULATORY AGENCY ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☒ UST ☐ RCRA ☐ OTHER _____	
Address: <u>MEAS cherry PT NC</u>		Copy To: <u>MIKE ROHRER</u>		Company Name: <u>MEC CORP</u>			
Email To: _____		Purchase Order No.: _____		Address: <u>JACKSONVILLE, NC</u>		Site Location	
Phone: <u>(252) 447-1700</u> Fax: <u>(252) 447-2012</u>		Project Name: <u>TT-2 TANK REMOVAL</u>		Pace Quote Reference: _____		STATE: <u>NC</u>	
Requested Due Date/TAT: <u>RUSH</u>		Project Number: _____		Pace Project Manager: _____			
				Pace Profile #: <u>3433-9</u>			

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓	Requested Analysis Filtered (Y/N)						Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		Y	N	Y	N	Y	N			Y	N																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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1	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Tissue Other	DW WT WW P SL OL WP AR TS OT	G					13	6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
				<i>[Signature]</i>	12/01/09	0930	2.0 4 N 4

ORIGINAL

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <u>WADE T. LEWIS</u>					
SIGNATURE of SAMPLER: <i>[Signature]</i> DATE Signed (MM/DD/YY): <u>12/02/09</u>					

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

**Sample Condition Upon Receipt**Client Name: MEC Project # 9258741Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☒ yes ☐ noPacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____Thermometer Used T060Type of Ice: Wet Blue None☒ Samples on ice, cooling process has begunCooler Temperature 2.0Biological Tissue is Frozen: Yes No N/ADate and Initials of person examining contents: 12/14/09

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	5.
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	6.
Rush Turn Around Time Requested:	☒ Yes ☐ No ☐ N/A	7.
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	8.
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>SL</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):	<u>N/A</u>	

Client Notification/ Resolution:

Field Data Required? Y / N / N/A

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: EWDate: 12/3/09

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)



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

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

January 12, 2010

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

RE: Project: TT-2 BP-01
Pace Project No.: 9260786

Dear Rob Finley:

Enclosed are the analytical results for sample(s) received by the laboratory on January 07, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

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

Sincerely,

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

Enclosures

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

REPORT OF LABORATORY ANALYSIS

Page 1 of 11

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CERTIFICATIONS

Project: TT-2 BP-01
Pace Project No.: 9260786

Charlotte Certification IDs

9800 Kincey 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 11

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SAMPLE ANALYTE COUNT

Project: TT-2 BP-01
Pace Project No.: 9260786

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9260786001	BP-01-1	EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		ASTM D2974-87	JMM	1	PASI-C
9260786002	BP-01-2	EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		ASTM D2974-87	JMM	1	PASI-C
9260786003	BP-01-3	EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		ASTM D2974-87	JMM	1	PASI-C
9260786004	BP-01-4	EPA 8015 Modified	RES	2	PASI-C
		EPA 8015 Modified	DHW	2	PASI-C
		ASTM D2974-87	JMM	1	PASI-C

REPORT OF LABORATORY ANALYSIS

Page 3 of 11

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ANALYTICAL RESULTS

Project: TT-2 BP-01

Pace Project No.: 9260786

Sample: BP-01-1 **Lab ID: 9260786001** Collected: 01/06/10 14:00 Received: 01/07/10 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND	mg/kg	5.5	1	01/08/10 15:42	01/09/10 02:07	68334-30-5	
n-Pentacosane (S)	64	%	50-135	1	01/08/10 15:42	01/09/10 02:07	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND	mg/kg	5.9	1	01/11/10 14:32	01/12/10 01:52	8006-61-9	
4-Bromofluorobenzene (S)	104	%	50-135	1	01/11/10 14:32	01/12/10 01:52	460-00-4	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	9.7	%	0.10	1		01/08/10 17:34		

ANALYTICAL RESULTS

Project: TT-2 BP-01

Pace Project No.: 9260786

Sample: BP-01-2 **Lab ID: 9260786002** Collected: 01/06/10 14:05 Received: 01/07/10 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND	mg/kg	6.0	1	01/08/10 15:42	01/09/10 02:07	68334-30-5	
n-Pentacosane (S)	71	%	50-135	1	01/08/10 15:42	01/09/10 02:07	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND	mg/kg	5.4	1	01/11/10 14:32	01/12/10 02:17	8006-61-9	
4-Bromofluorobenzene (S)	111	%	50-135	1	01/11/10 14:32	01/12/10 02:17	460-00-4	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	17.3	%	0.10	1		01/08/10 17:35		

ANALYTICAL RESULTS

Project: TT-2 BP-01

Pace Project No.: 9260786

Sample: BP-01-3 **Lab ID: 9260786003** Collected: 01/06/10 14:10 Received: 01/07/10 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND mg/kg		6.1	1	01/08/10 15:42	01/09/10 02:36	68334-30-5	
n-Pentacosane (S)	63 %		50-135	1	01/08/10 15:42	01/09/10 02:36	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		5.1	1	01/11/10 14:32	01/12/10 02:42	8006-61-9	
4-Bromofluorobenzene (S)	130 %		50-135	1	01/11/10 14:32	01/12/10 02:42	460-00-4	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	18.7 %		0.10	1		01/08/10 17:35		

ANALYTICAL RESULTS

Project: TT-2 BP-01

Pace Project No.: 9260786

Sample: BP-01-4 **Lab ID: 9260786004** Collected: 01/06/10 14:15 Received: 01/07/10 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND	mg/kg	5.7	1	01/08/10 15:42	01/09/10 02:36	68334-30-5	
n-Pentacosane (S)	81	%	50-135	1	01/08/10 15:42	01/09/10 02:36	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND	mg/kg	5.5	1	01/11/10 14:32	01/12/10 03:06	8006-61-9	
4-Bromofluorobenzene (S)	134	%	50-135	1	01/11/10 14:32	01/12/10 03:06	460-00-4	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	11.8	%	0.10	1		01/08/10 17:36		

QUALITY CONTROL DATA

Project: TT-2 BP-01

Pace Project No.: 9260786

QC Batch:	OEXT/9002	Analysis Method:	EPA 8015 Modified
QC Batch Method:	EPA 3546	Analysis Description:	8015 Solid GCSV
Associated Lab Samples: 9260786001, 9260786002, 9260786003, 9260786004			

METHOD BLANK: 388262 Matrix: Solid
Associated Lab Samples: 9260786001, 9260786002, 9260786003, 9260786004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	ND	5.0	01/08/10 17:29	
n-Pentacosane (S)	%	81	50-135	01/08/10 17:29	

LABORATORY CONTROL SAMPLE & LCSD: 388263		388264								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Components	mg/kg	167	104	140	62	84	50-114	30		
n-Pentacosane (S)	%				69	93	50-135			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 388265					388266						
Parameter	Units	9260527018	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Qual
		Result	Spike Conc.	Spike Conc.							
Diesel Components	mg/kg	ND	193	193	122	147	63	76	50-107	19	
n-Pentacosane (S)	%						73	82	50-135		

QUALITY CONTROL DATA

Project: TT-2 BP-01
Pace Project No.: 9260786

QC Batch: GCV/3767 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 5035A/5030B Analysis Description: Gasoline Range Organics
Associated Lab Samples: 9260786001, 9260786002, 9260786003, 9260786004

METHOD BLANK: 388980 Matrix: Solid
Associated Lab Samples: 9260786001, 9260786002, 9260786003, 9260786004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	6.0	01/11/10 21:44	
4-Bromofluorobenzene (S)	%	105	50-135	01/11/10 21:44	

LABORATORY CONTROL SAMPLE: 388981

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)	%			122	50-135	

MATRIX SPIKE SAMPLE: 388982

Parameter	Units	9260469001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	ND	27.6	37.8	130	70-148	
4-Bromofluorobenzene (S)	%				116	50-135	

SAMPLE DUPLICATE: 388983

Parameter	Units	9260469002 Result	Dup Result	RPD	Qualifiers
Gasoline Range Organics	mg/kg	8.7	9.4	8	
4-Bromofluorobenzene (S)	%	133	145	9 S5	

QUALITY CONTROL DATA

Project: TT-2 BP-01
Pace Project No.: 9260786

QC Batch: PMST/2969 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 9260786001, 9260786002, 9260786003, 9260786004

SAMPLE DUPLICATE: 388230

Parameter	Units	9260292001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	21.9	21.8	1	

SAMPLE DUPLICATE: 388231

Parameter	Units	9260769002 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	8.5	8.5	1	

QUALIFIERS

Project: TT-2 BP-01
Pace Project No.: 9260786

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

S5 Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).



Sample Condition Upon Receipt

Client Name: me

Project # 926 0786

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 31

Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 5°C

Date and Initials of person examining contents: mm/1/7

Comments:

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

Client Notification/ Resolution:

Field Data Required? Y / N / N/A

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Ew

Date: 1/7/10

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



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

Report Number: G128-2485

Client Project: TT 2089

Dear Jeff Becken,

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

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

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

Sincerely,
SGS North America, Inc.

Barbara Hager Jan 8, 2010
Project Manager Date
Barbara Hager

Jan 13, 2010

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: TT-2089-TW01

Analyzed By: DVO

Client Project ID: TT 2089

Date Collected: 1/4/2010 14:00

Lab Sample ID: G128-2485-1A

Date Received: 1/4/2010

Lab Project ID: G128-2485

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/7/2010	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/7/2010	
Ethylbenzene	3.64	1.00	0.19	1	1/7/2010	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/7/2010	
Toluene	BQL	1.00	0.313	1	1/7/2010	
m/p-Xylene	2.20	2.00	0.481	1	1/7/2010	
o-Xylene	BQL	2.00	0.405	1	1/7/2010	

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.

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: TT-2089-TW01
 Client Project ID: TT 2089
 Lab Sample ID: G128-2485-1M
 Lab Project ID: G128-2485

Analyzed By: DCS
 Date Collected: 1/4/2010 14:00
 Date Received: 1/4/2010
 Date Extracted: 1/11/2010
 Matrix: Water

Initial/Final Amt: 926 mL / 5 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	3.46	5.40	1.19	1	1/12/2010	J
Acenaphthylene	BQL	5.40	1.13	1	1/12/2010	
Anthracene	BQL	5.40	1.30	1	1/12/2010	
Benzo[a]anthracene	BQL	5.40	1.20	1	1/12/2010	
Benzo[a]pyrene	BQL	5.40	1.06	1	1/12/2010	
Benzo[b]fluoranthene	BQL	5.40	1.01	1	1/12/2010	
Benzo[g,h,i]perylene	BQL	5.40	1.21	1	1/12/2010	
Benzo[k]fluoranthene	BQL	5.40	1.49	1	1/12/2010	
Bis(2-chloroethoxy)methane	BQL	5.40	1.24	1	1/12/2010	
Bis(2-chloroethyl)ether	BQL	5.40	1.20	1	1/12/2010	
Bis(2-chloroisopropyl)ether	BQL	5.40	1.14	1	1/12/2010	
Bis(2-ethylhexyl)phthalate	BQL	5.40	1.37	1	1/12/2010	
4-bromophenyl phenyl ether	BQL	5.40	1.19	1	1/12/2010	
Butylbenzylphthalate	BQL	5.40	1.20	1	1/12/2010	
2-Chloronaphthalene	BQL	5.40	0.923	1	1/12/2010	
2-Chlorophenol	BQL	5.40	1.09	1	1/12/2010	
4-Chloro-3-methylphenol	BQL	5.40	1.10	1	1/12/2010	
4-Chlorophenyl phenyl ether	BQL	5.40	1.23	1	1/12/2010	
Chrysene	BQL	5.40	0.599	1	1/12/2010	
Dibenzo[a,h]anthracene	BQL	5.40	1.24	1	1/12/2010	
Di-n-Butylphthalate	BQL	5.40	0.891	1	1/12/2010	
3,3'-Dichlorobenzidine	BQL	10.8	1.36	1	1/12/2010	
2,4-Dichlorophenol	BQL	5.40	0.995	1	1/12/2010	
Diethylphthalate	BQL	5.40	1.47	1	1/12/2010	
Dimethylphthalate	BQL	5.40	1.30	1	1/12/2010	
2,4-Dimethylphenol	BQL	5.40	0.738	1	1/12/2010	
Di-n-octylphthalate	BQL	5.40	1.16	1	1/12/2010	
4,6-Dinitro-2-methylphenol	BQL	27.0	1.15	1	1/12/2010	
2,4-Dinitrophenol	BQL	27.0	0.789	1	1/12/2010	
2,4-Dinitrotoluene	BQL	5.40	1.31	1	1/12/2010	
2,6-Dinitrotoluene	BQL	5.40	1.44	1	1/12/2010	
Diphenylamine *	BQL	5.40	1.45	1	1/12/2010	
Fluoranthene	BQL	5.40	1.49	1	1/12/2010	
Fluorene	11.0	5.40	1.38	1	1/12/2010	
Hexachlorobenzene	BQL	5.40	1.77	1	1/12/2010	
Hexachlorobutadiene	BQL	5.40	0.671	1	1/12/2010	
Hexachlorocyclopentadiene	BQL	10.8	0.523	1	1/12/2010	
Hexachloroethane	BQL	5.40	0.798	1	1/12/2010	
Indeno(1,2,3-c,d)pyrene	BQL	5.40	2.47	1	1/12/2010	
Isophorone	BQL	5.40	1.04	1	1/12/2010	
Naphthalene	17.2	5.40	0.847	1	1/12/2010	
Nitrobenzene	BQL	5.40	1.08	1	1/12/2010	
2-Nitrophenol	BQL	5.40	0.969	1	1/12/2010	
4-Nitrophenol	BQL	27.0	0.767	1	1/12/2010	
N-Nitrosodi-n-propylamine	BQL	5.40	0.826	1	1/12/2010	
Pentachlorophenol	BQL	27.0	0.659	1	1/12/2010	
Phenanthrene	15.2	5.40	1.30	1	1/12/2010	

Results for Semivolatiles
by GCMS 625

Client Sample ID: TT-2089-TW01
Client Project ID: TT 2089
Lab Sample ID: G128-2485-1M
Lab Project ID: G128-2485

Analyzed By: DCS
Date Collected: 1/4/2010 14:00
Date Received: 1/4/2010
Date Extracted: 1/11/2010
Matrix: Water

Initial/Final Amt: 926 mL / 5 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.40	0.982	1	1/12/2010	
Pyrene	BQL	5.40	1.25	1	1/12/2010	
1,2,4-Trichlorobenzene	BQL	5.40	0.836	1	1/12/2010	
2,4,6-Trichlorophenol	BQL	5.40	0.997	1	1/12/2010	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	10.6	106		
2-Fluorophenol		10	9.5	95		
Nitrobenzene-d5		10	11.4	114		
Phenol-d6		10	10.4	104		
2,4,6-Tribromophenol		10	11.5	115		
4-Terphenyl-d14		10	12.2	122		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: MSU

Results of Library Search for Semivolatile Compounds by GCMS

Client Sample ID: TT-2089-TW01
 Client Project ID: TT 2089
 Lab Sample ID: G128-2485-1M
 Lab Project ID: G128-2485
 Sample Wt/Vol: 926 ML
 Dilution: 1

Analyzed By: DCS
 Date Collected: 1/4/2010 14:00
 Date Received: 1/4/2010
 Date Extracted: 1/11/2010
 Date Analyzed: 1/12/2010
 Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Heptadecane	7.85	629-78-7	96	104
2	Methylbenzene, Isomer of	3.96			51.8
3	Aromatic, Unknown	4.38			44.8
4	Tridecane	5.21	629-50-5	96	42
5	Alkane, Unknown	5.03			37.8
6	Benzene, 1,2,4,5-tetramethyl-	4.20	95-93-2	94	37.7
7	Aromatic, Unknown	4.31			32.8
8	Dimethylnaphthalene, Isomer of	6.18			26.4
9	Octadecane	8.36	593-45-3	91	24.9
10	Undecane, 2,6-dimethyl-	4.70	17301-23-4	95	21

Comment:

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

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

Reviewed by: _____

VPH (Aliphatics/Aromatics) Laboratory Reporting FormClient Name: Richard Catlin & AssociatesProject Name: TT 2089

Sample Information	
Sample Identification	TT-2089-TW01
Sample Matrix	Water
Collection Option (for Soil)*	NA
Date Collected	01/04/10 14:00
Date Received	01/04/10
Date Extracted	01/07/10 17:27 - 01/07/10 17:27
Date Analyzed	01/07/10 17:27 - 01/07/10 17:27
Dry Weight	NA
Dilution Factor	1 - 1

Analytical Results				
Analyte	Result µg/L	Report Limit µg/L	Flags	
C ₅ -C ₈ Aliphatics**	BQL	100		
C ₉ -C ₁₂ Aliphatics**	143	100		
C ₉ -C ₁₀ Aromatics**	444	100		
	Percent Recovery	Flags	Limits Lower Upper	
Surrogate % Recovery - PID	88.5		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: g128-2485-1d	Lab Info: g128-2485-1d
FID Info: VP010710/021F0101.D	PID Info: VP010710/021R0101.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: 01/07/10Filename: VP010710/002F0101.d

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	%Difference if CF %Drift if LR	Limits
C ₅ -C ₈ Aliphatics	200	16	1.9	±25%
C ₉ -C ₁₂ Aliphatics	200	16	-15.1	±25%
C ₉ -C ₁₀ Aromatics	200	16	4.2	±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

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

FID Initial Calibration Date:

12/04/09

PID Initial Calibration Date:

12/04/09

Calibration Ranges and Limits

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

Calibration Concentration Levels

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

Calibration Check Date:

01/07/10

Filename:

VP010710/025F0101.d

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	%Difference if CF %Drift if LR	Limits
C ₅ -C ₈ Aliphatics	200	16	5.1	±25%
C ₉ -C ₁₂ Aliphatics	200	16	-11.2	±25%
C ₉ -C ₁₀ Aromatics	200	16	14.6	±25%

MDL = Method Detection Limit

ML = Minimum Limit

RL = Reportable Limit

RPD = Relative Percent Difference

%RSD = Percent Relative Standard Deviation

CCC = Correlation Coefficient of Curve

EPH (Aliphatics/Aromatics) Laboratory Reporting FormClient Name: Richard Catlin & AssociatesProject Name: TT 2089

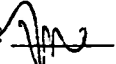
Sample Information	
Sample Identification	TT-2089-TW01
Sample Matrix	Water
Date Collected	01/04/10 14:00
Date Received	01/04/10
Date Extracted	01/05/10
Date Analyzed	01/08/10 09:24 - 01/08/10 07:24
Dry Weight	NA
Dilution Factor	5 - 1
Initial Volume (mL)	937
Final Volume (mL)	5

Analytical Results			
Analytes**	Result µg/L	Report Limit µg/L	Flags
C9-C18 Aliphatics	3850	100	
C19-C36 Aliphatics	485	100	
C11-C22 Aromatics	1580	100	

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	85.1		40	140
Aromatic (ortho-terphenyl)	92.4		40	140
Fractionation 1 (2-bromonaphthalene)	78.3		40	140
Fractionation 2 (2-fluorobiphenyl)	104		40	140

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

Lab Info: G128-2485-1L	Lab Info: G128-2485-1L
Aliphatic: EP010810/003F0101.D	Aromatic: EP010710/034F3201.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: 01/07/10
01/08/10Filenames: ep010710/019f1701.d
ep010710/020f1801.d

Calibration Check

Range	Levels (mg/Kg)	(µg/L)	%Difference if CF %Drift if LR	Limits
C9-C18 Aliphatics	100	16.7	14.8	±25%
C19-C36 Aliphatics	100	16.7	15.4	±25%
C11-C22 Aromatics	100	16.7	20.1	±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: 01/08/10
01/08/10Filenames: ep010810/001f0101.d
ep010810/002f0201.d

Calibration Check

Range	Levels (mg/Kg)	(µg/L)	%Difference if CF %Drift if LR	Limits
C9-C18 Aliphatics	100	16.7	18.2	±25%
C19-C36 Aliphatics	100	16.7	19.3	±25%
C11-C22 Aromatics	100	16.7	22.8	±25%

MDL = Method Detection Limit

ML = Minimum Limit

RL = Reportable Limit

RPD = Relative Percent Difference

%RSD = Percent Relative Standard Deviation

CCC = Correlation Coefficient of Curve

Attachment 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: 01/08/10
01/08/10Filenames: EP010810/015f1201.d
EP010810/016f1301.d

Calibration Check

Range	Levels (mg/Kg)	(µg/L)	%Difference if CF %Drift if LR	Limits
C9-C18 Aliphatics	100	16.7	18.3	≤±25%
C19-C36 Aliphatics	100	16.7	19.3	≤±25%
C11-C22 Aromatics	100	16.7	23.7	≤±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



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1 CLIENT: CATLIN ENG & SCI					SGS Reference:					PAGE 1 OF 1											
CONTACT: JEFF BECKEN					PHONE NO: (910) 452-5861					ST/1-13-10											
PROJECT: TT 2089					SITE/PWSID#:																
REPORTS TO: JEFF BECKEN					FAX NO.: ()																
INVOICE TO: SHEILA SMITH					QUOTE #: DOD RATES																
P.O. NUMBER: 100104-4																					
2										3											
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	CONTAINERS	SAMPLE TYPE	Preservatives Used	Analysis Required	C= COMP	G= GRAB	REMARKS										
	TT-2089-TW01	1-4-10	1400	GW		9		HCL N/A	HCL N/A			EPA 602 + HY EPA 625 BNA/TIC MADEP EPH MADEP VPH									
5 Collected/Relinquished By: (1)					Date	Time	Received By:	4 Shipping Carrier:					Samples Received Cold? (Circle) YES NO								
Relinquished By: (2)					Date	Time	Received By:	Shipping Ticket No:					Temperature: 6.4, 7.3								
Relinquished By: (3)					Date	Time	Received By:	Special Deliverable Requirements:					Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT								
Relinquished By: (4)					Date	Time	Received By:	Special Instructions:													
										Requested Turnaround Time:					☐ RUSH <u>5</u> DAY ☐ STD						
															Date Needed						

APPENDIX E

BORING LOG, WELL CONSTRUCTION AND WELL ABANDONMENT RECORD

SHEET 1 OF 1

 Bentonite Pellets  #2 Medium Sand



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): TT2089-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: 37.73792191

LONGITUDE: 77.37858934

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: 12 ft. Diameter: 2 in.

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

Measuring point is 3.0 ft. above land surface

6. CASING:

Length

Diameter

a. Casing Depth (if known): 2 ft. 2 in.

b. Casing Removed: 5 ft. 2 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 1/4/2010

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

[Signature]
SIGNATURE OF CERTIFIED WELL CONTRACTOR

1-15-2010
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