



**PHASE II  
ENVIRONMENTAL SITE ASSESSMENT  
OF**

**Enyart Electric Motor Repair Facility  
122 E. Sample Street  
South Bend, Indiana**

**PES Project No. 10-057**

**DECEMBER 13, 2010**

**Prepared For:**

**City of South Bend  
Community & Economic Development  
Suite 1200 S, 227 W. Jefferson Blvd  
South Bend, IN 46601**

**Prepared By:**

**Phifer Environmental Services, LLC  
2502 Lincoln Way West  
P.O. Box #430  
Mishawaka, IN 46546**

**And**

**IVY Tech Community College  
Facilities & Planning  
50 W. Fall Creek Parkway, North Drive  
Indianapolis, IN 46208**

December 13, 2010



City of South Bend  
Community and Economic Development  
County City Building, Suite 1200 S  
227 W. Jefferson Blvd.  
South Bend, IN 46601

and

IVY Tech Community College  
Facilities & Planning  
50 W. Fall Creek Parkway, North Drive  
Indianapolis, IN 46208

**RE: Report Phase II Environmental Site Assessment  
Enyart Electric Motor Repair Facility  
120/122 E. Sample Street  
South Bend, Indiana  
Project No. PES 10-057**

Phifer Environmental Services, LLC (PES) is pleased to provide this Report of Phase II Environmental Assessment for the Enyart Electric Motor Repair Facility, located at 120/122 East Sample Street, in South Bend, Indiana. Our services were conducted in accordance with the Proposal for Phase II Environmental Consulting Services, dated July 14, 2010, as approved by the City of South Bend, Re-Development Commission on November 19, 2010.

### **BACKGROUND INFORMATION**

Phifer Environmental Services, LLC. has previously completed a Phase I Environmental Site Assessment of the subject site, located along East Sample Street, which is being considered, with other properties, for acquisition as part of the proposed expansion of the IVY Tech Community College Campus. The main building, situated on approximately 0.1641-acres of land, is developed as the Enyart Electric Motor Repair facility. Together, with former residential addresses identified as 117, 119, 121 and 123 E. Ohio Street (demolished and transitioned to parking areas for the commercial operations of Enyart Electric Motor Repair), the subject site constitutes approximately 0.4875-acres of land.

The original structure consists of the 1927 construction of a two story brick and concrete block building used as the electric motor repair shop (main level), warehouse (former upstairs tenant space), and small limited-use basement (motor parts storage). A concrete block addition to the rear of the building (circa 1977) was constructed to bring the facility to its current size of approximately 9,638 sq. ft.. The facility is owned by the Patricia Enyart Revocable Trust, with the current tenant owning the business (Enyart

**2502 Lincoln Way West P.O. 430 Mishawaka, IN 46546 (574)968-7191 (574) 255-4699**

Electric Motor Repair), and leasing the building. We note that the ground level of the building has operated as either Enyart Electric Motor Repair (currently), or as Enyart Electric Motor Service (1965 through 2009, under two prior owners); and that the upstairs portion of the building, reportedly has not been occupied by a “tenant” since the late 1980s.

There are two overhead roll-up doors that serve as a point of entry to the shop area, as well as a side-entry roll-up door along the common alleyway between the subject site and the adjacent Mason Heating, A/C and Appliances facility (116/118 E. Sample Street). Truck/auto access to the facility is via the aforementioned common alleyway, to a gravel covered lot at the rear of the building. Access to the gravel covered lot is also available from E. Ohio Street, to the south.

Adjacent property uses include the expansive Juvenile Justice Center to the south, Miami Auto Glass to the southwest, Mason Heating and Cooling Service (with an upholstery repair/tailoring operations as a tenant) and Michiana Transmission (former gas station) to the west, the former Sibley Foundry & Machine facility to the northwest/north/northeast of the subject site, the Ziker Cleaners processing facility further to the northeast, and Sinco Pool (sales and service) to the east.

As presented in our Report of Phase I Environmental Site Assessment, dated July 6, 2010, Phifer Environmental Services, LLC (PES) identified the following Recognized Environmental Conditions associated with the subject site:

- 1) The subject site (122 E. Sample Street) was identified as the location of a former 6,000 gallon heating oil tank by the regulatory database search. The UST, which was removed from the ground in January 1990, was reportedly assessed for potential releases at the time of the tank removal. However, no records of the assessment, other than “Notifications” to IDEM (Appendix D) were available through the current tenant, or search of the IDEM Virtual File Cabinet. In the absence of information regarding the assessment of the UST at the time of removal; the former UST system is considered a Historical Recognized Environmental Condition. We note that the use of the UST was as an on-site consumptive fuel (heating oil), and that the system would be considered “exempt” by current regulations. Additional site assessment would be necessary to determine the extent to which, if any, environmental impact to the subsurface environment remains as a result of the former UST system.
- 2) The facility (122 E. Sample Street) was identified as a RCRA CESQG by the regulatory database search, with waste streams identified as Not Defined (D000), Ignitable Hazardous Wastes (D001) and Spent Non-halogenated solvents (F003). Such wastes are generally the result of mixed wastes generated by two parts washing basins containing mineral spirits. Such mineral spirits, as well as waste oils generated on site, and received from off-site, are burned within an on-site waste oil furnace. Overall, an estimated 200-gallons of mineral spirits and 275-gallons of waste oil are burned annually by the waste oil furnace, with introduction by an aspirating (air compressor) system. The waste oil/solvent mix is stored within aboveground storage tanks that are adjoining the furnace unit. As a result of transfer operations and blow-down from the air compressor unit (aspirator), significant staining of the concrete flooring was identified in the area of the waste oil furnace. Some level of subsurface contamination may have resulted from incidental releases

associated with the waste oil furnace operations (Recognized Environmental Condition).

- 3) Numerous floor drains were identified throughout the workshop area of the building. Although attempts were made to “close” several of the drains; there remains some doubt as to how effective such closure was in sealing off potential entry of waste oils and other potential contaminants. Other drains remained operational and were located in areas whereby the introduction of waste oils and potentially solvents (i.e., mineral spirits) was possible. The discharge point for drains is thought to be the municipal sanitary sewer (unconfirmed); however the likelihood exists that at least one of the drains (principally installed to facilitate the removal of snow melt from the garage area) may discharge to the on-site dry well located within the rear parking area. Staining of the concrete in areas surrounding the floor drains was visually apparent. Based on the aforementioned factors, the floor drains and the potential introduction of waste oils and possibly solvents to the subsurface environment throughout 45 years of motor repair service, is considered a Recognized Environmental Condition.

We note that the immediate area of the subject site has also been the location of significant industrial activity dating to the early 1900s, and that potential sources of contamination in the immediate area of the subject site may not be fully delineated. As such, the potential exists that “undiscovered or unreported” releases may be identified in the future (i.e. off-site sources). We also note that the chemical and physical characteristics of the primary Contaminant of Concern (tetrachloroethylene) for both the Sibley Foundry and Ziker Cleaners Corrective Action Plan activities (north of site), to that of waste oils and mineral spirits identified as being associated with historical Enyart Electric Motor Repair operations, are distinctly different. Thus, the potential for on-site environmental impact as a result of material handling activities conducted at the Enyart Electric Motor Repair/Service facility cannot be discounted based solely on the groundwater data from two nearby, off-site, well locations installed during assessment of tetrachloroethylene associated with the Sibley Foundry and Ziker Cleaners.

Based on the aforementioned Recognized Environmental Conditions, PES recommended a Phase II Environmental Site Assessment involving the collection of soil and groundwater samples at the periphery of the existing building, and the former UST tank pit, be collected for the purpose of identifying the presence or absence of significant contamination. Such samples would also provide information regarding the need, if any, for remedial action, and associated cost implications relative to the proposed real estate transaction in the event significant contamination was identified.

## **SCOPE OF SERVICES**

As presented in our Proposal for Phase II Environmental Site Assessment, PES recommended a total of four soil borings and temporary groundwater wells for the purpose of collecting and analyzing samples for the possible presence of contamination associated with the former heating oil UST system, the historical storage/use of waste oils and minerals spirits, floor drains and adjacent property uses. A total of three boring/temporary well locations were proposed for the periphery of the site to identify the extent to which, if any, significant contamination is present at the subject site, as well as assessment of the potential for on-site migration of contaminants from off-site sources. With respect to the former heating oil UST, a soil boring/temporary well was established within the confines of the former tank pit.

The following discussion further describes the methods used during the implementation of such Phase II Environmental Site Assessment.

### ***Soil Sampling via Geoprobe Methodology***

PES subcontracted D & T Drilling Services to install a series of four Geoprobe (small, track-mounted, hydraulically driven sampling probe) soil borings at the subject site. (Refer to Appendix A, Figure 3 for locations of the identified soil borings.) Prior to mobilization, the specific locations were cleared for utilities through contact with the Indiana Underground Utility Locate Service, as required by law (minimum 48-hours advance contact).

For each of the three periphery Geoprobe borings, discrete soil samples were collected at 5-foot intervals throughout the soil profile until such depth as saturated soils, consistent with the existing water table, were encountered. For the boring at the former UST tank pit (GP-4), discrete soil samples were collected at 5-foot intervals to a depth of at least 20-feet below land surface. Knowing that the 6,000-gallon former UST system would likely have been installed to a depth of 8- to 10- feet; if contamination were associated with the UST tank pit, it would likely be identified within the selected 20-foot depth interval. Once the 20-foot depth interval was attained, the Geoprobe was advanced to the point of saturation, as identified from completion of the three prior soil borings (roughly 29 feet below land surface).

Each 5-foot soil sample interval was initially screened for volatile organics by passing a photoionization detector (PID) over the entire sample sleeve. Once a 2-foot interval of the sample sleeve was established for the collection of a “grab sample”, portions of the “grab sample” were placed into a plastic bag and sealed. Allowing time for equilibration, the PID sampling probe was inserted into the bag to observe a reading of “total VOCs” in parts per million (ppm). All data associated with the “field screening” of VOCs was recorded for future reference on the individual Soil Boring Logs (Appendix B).

In accordance with IDEM guidance, PES used Terra-Core Methods for collection of “grab samples” to be analyzed for Volatile Organic Compounds (VOCs). Additional soils from the selected sample intervals were collected within a laboratory-provided 4-ounce glass jar for analysis of High End Organics (C8 through C34), and carcinogenic Polynuclear Aromatic Hydrocarbons (cPAHs).

The determination of which soil sample depth intervals were submitted for laboratory analysis was contingent on factors that included: 1) PID field screening results, 2) visual observations of stained soils that would indicate the presence of contamination, and 3) olfactory (smell) observations. However, as presented by the Soil Boring Logs (Appendix B), field screening of the soil sample depth intervals did not result in the deflection of the PID instrument; an initial indication of the absence of Volatile Organic Compounds.

It should be noted that PES did not observe the presence of any staining during our visual examination of the various 5-foot intervals of the periphery Geoprobe sampling sleeves, nor did we observe any odors that would indicate the presence of environmental impact. Some slight staining and petroleum odor were noted at the former tank pit (GP-4) at a depth of approximately 4.5 to 5 – feet, and from 8 to 10-feet. Such indications were not consistent with the presence of significant contamination bands, but

more consistent with scattered and randomly placed, marginally impacted backfill, likely excavated from the tank pit at the time of removal (i.e., incidental spillage). Such materials were more than likely re-used as backfill for the void created by the removal of the UST. It should be noted that field screening of these soils by PES did not identify the presence of any significant contamination.

All soil samples selected for laboratory analysis were labeled with a specific location and depth designation, packed on ice, and forwarded to the laboratory under chain-of-custody procedures via overnight courier. For this project, Pace Analytical Laboratories of Indianapolis, Indiana was subcontracted to perform the analysis of selected samples.

### ***Temporary Geoprobe Well Installation/Non-Potable Well Sampling***

As previously indicated, PES encountered the presence of a saturated zone, consistent with that of an underling water table, at a depth of approximately 29-feet below land surface in all of the Geoprobe soil borings. A sample of the groundwater at each boring location was collected through insertion of the Geoprobe groundwater sampling probe. The groundwater sampling probe allows for the extension of a stainless steel screen for collection of a groundwater sample from the point at which the probe encounters a saturated or water-bearing zone (stainless steel screen is extended approximately 4-feet into the saturated zone). Once inserted within the water-bearing zone, the “temporary well” was purged utilizing a peristaltic pump, or other method, until such time as the water discharge became relatively free of solids (approximately 1.5-gallons) prior to actual sample collection. All groundwater samples were collected within pre-cleaned, laboratory provided glassware (three 40 ml. vials preserved with hydrochloric acid, and two 1-liter unpreserved amber bottles). Such samples were appropriately labeled, packed on ice and forwarded to the laboratory (Pace Analytical) for the analysis of Volatile Organic Compounds (VOCs) and carcinogenic Polynuclear Aromatic Hydrocarbons cPAHs).

With completion of soil and groundwater sampling activities, and given that there were no indications of contamination identified by field screening; excess soils from the Geoprobe sample sleeves were returned to the respective borings from which they were derived. Any remaining interval of the borehole (to within 6-inches of ground surface) was backfilled with bentonite pellets to form a seal and prevent the potential for introduction of contaminants from above. Finish “plugs” of concrete were applied to ground surface elevation for borings GP-3 (Sinco Pool drive) and GP-4 (interior of garage).

## **SUMMARY OF RESULTS**

### ***Geoprobe Soil Sampling***

The subject site relative to adjacent property use is presented in Appendix A, Figure 2. Locations of Geoprobe borings are presented in Appendix A, Figure 3. Copies of the Soil Boring Logs for each of the four Geoprobe borings are presented in Appendix B.

As indicated by the Soil Boring Logs, the nature of soils present at the subject site consists predominately of fine to coarse sands, some with gravel. Upper zones (within 5-feet of ground surface) were also noted to have some silt and clay. Also noted was the presence of some stained soils at a depth consistent with the base of the former UST system at location GP-4. Such stained soils were interspersed within the 5-foot to 10-

foot depth interval, and were deemed to be consistent with the use of excavated soils from the tank removal process as a backfill material once the UST system had been removed from the ground. We note that at the time of UST removal (1990), removal contractors typically had soil samples analyzed for the presence of Total Petroleum Hydrocarbons-Diesel Range Organics, noting that IDEM had established an action level of 100 parts per million TPH as requiring “no further action”. Typically, if the soil analytical data indicated TPH as less than 100 ppm, such soils were considered suitable for on-site re-use as a backfill material for the void created by the pulling of the tank system.

In the absence of any field screening results indicating the presence of contamination within the periphery borings; PES selected the depth interval in immediate proximity of the saturated zone for laboratory analysis. For the former UST boring location (GP-4), a depth interval of 8-foot to 10-foot was selected for laboratory analysis based on the presence of some limited petroleum odor and staining, and the depth to which the base of the former UST would have been installed.

Analytical results for soil samples submitted for laboratory analysis are presented in Table 1, respectively. Analysis of the selected soil samples from the three periphery borings did not reveal the presence of any of the Chemicals of Concern above the specified laboratory detection limits. For the UST boring (GP-4), only the presence of residual carcinogenic PAH's, at levels well below the RISC Residential Criteria (Table 2), were reported by laboratory analysis (i.e., no VOCs or TPH-ERO reported). Again, the presence of such residual PAHs is consistent with the use of minimally impacted soils as a backfill material for the void created with removal of the tank system.

The identified Default Closure Values (Table 2) are derived from the lowest of five factors that include: 1) concentration for soil saturation, 2) soil attenuation capacity, 3) calculations regarding risk-based construction worker scenario, 4) calculations regarding risk-based direct exposure, and 5) calculations regarding the potential exposure as a result of migration to groundwater. Default Closure Values are considered protective of human health.

### ***Temporary Geoprobe Well Installation/Non-Potable Well Sampling***

As presented in Table 3, analysis of the identified groundwater samples for the presence of Volatile Organic Compounds and carcinogenic PAHs did not identify the presence of any specific Contaminants of Concern above the reported laboratory detection limits. Such results would be consistent with the absence of significant groundwater contamination attributable to the operations of the subject site, as well as the absence of significant contamination associated with the on-site migration of contaminants from other nearby sites/facilities.

## **CONCLUSIONS**

On the basis of the results obtained from the current Phase II Assessment of the subject site, it does not appear as though there is significant environmental impact to the subject property as a result of historical electrical motor repair operations having been undertaken since the mid 1960s. Laboratory results for soil samples collected from peripheral soil borings indicated all Contaminants of Concern to be below laboratory detection limits.

**TABLE 1****SUMMARY OF ANALYTICAL DATA - SOILS**

Enyart Electric Motor Repair Facility

122 E. Sample Street

Sample Date: November 30, 2010

CHEMICALS OF CONCERN	SAMPLE LOCATIONS			
	Enyart GP-1 (26' - 28')	Enyart GP-2 (27' - 29')	Enyart GP-3 (26' - 28')	Enyart GP-4 (8' - 10')
<b>VOLATILE ORGANIC COMPOUNDS</b>	ND	ND	ND	ND
<b>CARCINOGENIC PAHs</b>				
Benzo(a) Anthracene	ND (25.8 ug/kg)	ND (25.6 ug/kg)	ND (25.8 ug/kg)	123 ug/kg
Benzo (a) Pyrene	ND (25.8 ug/kg)	ND (25.6 ug/kg)	ND (25.8 ug/kg)	142 ug/kg
Benzo (b) Fluoranthene	ND (25.8 ug/kg)	ND (25.6 ug/kg)	ND (25.8 ug/kg)	144 ug/kg
Benzo(k) Fluoranthene	ND (25.8 ug/kg)	ND (25.6 ug/kg)	ND (25.8 ug/kg)	149 ug/kg
Chrysene	ND (25.8 ug/kg)	ND (25.6 ug/kg)	ND (25.8 ug/kg)	139 ug/kg
Dibenz(a,h) Anthracene	ND (25.8 ug/kg)	ND (25.6 ug/kg)	ND (25.8 ug/kg)	43.8 ug/kg
Indeno (1,2,3-cd) Pyrene	ND (25.8 ug/kg)	ND (25.6 ug/kg)	ND (25.8 ug/kg)	109 ug/kg
Naphthalene	ND (25.8 ug/kg)	ND (25.6 ug/kg)	ND (25.8 ug/kg)	ND (26.7 ug/kg)
<b>TPH - HIGH END ORGANICS</b>	ND (10.3 mg/kg)	ND (10.2 mg/kg)	ND (10.3 mg/kg)	ND (10.7 mg/kg)
<b>Percent Moisture</b>	3.0	2.3	3.0	6.5

ND - Not detected above laboratory Detection Limits  
(4.5 ug/kg) - Laboratory Reporting Limit

**TABLE 2****SUMMARY OF IDEM RISC DEFAULT CLOSURE VALUES**

CHEMICAL OF CONCERN	Residential Default Closure Value	Industrial Default Closure Value
<b>Benzo(a) Anthracene</b>	5,000 ug/kg	15,000 ug/kg
<b>Benzo (a) Pyrene</b>	500 ug/kg	1,500 ug/kg
<b>Benzo (b) Fluoranthene</b>	5,000 ug/kg	15,000 ug/kg
<b>Benzo(k) Fluoranthene</b>	50,000 ug/kg	150,000 ug/kg
<b>Chrysene</b>	500,000 ug/kg	1,500,000 ug/kg
<b>Dibenz(a,h) Anthracene</b>	500 ug/kg	1,500 ug/kg
<b>Indeno (1,2,3-cd) Pyrene</b>	5,000 ug/kg	15,000 ug/kg



**TABLE 3****SUMMARY OF ANALYTICAL DATA - GROUNDWATER**

Enyart Electric Motor Repair Facility  
122 E. Sample Street

Sample Date: November 30, 2010

CHEMICAL OF CONCERN	SAMPLE LOCATIONS			
	Enyart GP-1	Enyart GP-2	Enyart GP-3	Enyart GP-4
<b>VOLATILE ORGANIC COMPOUNDS</b>	ND	ND	ND	ND
<b>CARCINOGENIC PAHs</b>				
Benzo(a) Anthracene	ND (0.11 ug/l)	ND (0.10 ug/l)	ND (0.10 ug/l)	ND (0.11 ug/l)
Benzo (a) Pyrene	ND (0.11 ug/l)	ND (0.10 ug/l)	ND (0.10 ug/l)	ND (0.11 ug/l)
Benzo (b) Fluoranthene	ND (0.11 ug/l)	ND (0.10 ug/l)	ND (0.10 ug/l)	ND (0.11 ug/l)
Benzo(k) Fluoranthene	ND (0.11 ug/l)	ND (0.10 ug/l)	ND (0.10 ug/l)	ND (0.11 ug/l)
Chrysene	ND (0.54 ug/l)	ND (0.51 ug/l)	ND (0.52 ug/l)	ND (0.53 ug/l)
Dibenz(a,h) Anthracene	ND (0.11 ug/l)	ND (0.10 ug/l)	ND (0.10 ug/l)	ND (0.11 ug/l)
Indeno (1,2,3-cd) Pyrene	ND (0.11 ug/l)	ND (0.10 ug/l)	ND (0.10 ug/l)	ND (0.11 ug/l)
Naphthalene	ND (1.1 ug/l)	ND (1.0 ug/l)	ND (1.0 ug/l)	ND (1.1 ug/l)

ND – Not detected above laboratory Detection Limits  
(0.11 ug/l) – Laboratory Reporting Limit

Similarly, it does not appear as though the historical presence of a 6,000-gallon heating oil UST system (removed in 1990) has resulted in significant environmental impact to the immediate area of the former UST tank pit (area that would most likely to exhibit residual contamination). For the UST boring (GP-4), only the presence of “residual” carcinogenic PAH’s, at levels below the RISC Residential Criteria (Table 2), were reported by laboratory analysis (i.e., no VOCs or TPH-ERO reported). The presence of such “residual” PAHs is consistent with the use of minimally impacted soils as a backfill material for the void created with removal of the tank system (1990). Furthermore there were no Contaminants of Concern identified above laboratory detection limits for any of the groundwater samples collected as part of this Phase II Environmental Site Assessment, inclusive of the temporary well established within the area of the former tank pit.

**RECOMMENDATIONS**

Given that the soil and groundwater samples collected from the peripheral Geoprobe soil boring/temporary wells did not exhibit the presence of any of the Contaminants of Concern above laboratory detection limits, and the fact that residual PAH contaminants identified from

the former tank pit location were reported at levels well below the Residential RISC Criteria for soils, with groundwater from the same location having Contaminants of Concern below laboratory detection limits; no significant environmental impacts have been identified by this Phase II Environmental Site Assessment. Accordingly, no further environmental assessment activities are deemed warranted at this time.

### **RELIANCE**

This Report of Phase II Environmental Site Assessment is submitted with the understanding that all data, findings, conclusions and recommendations, as presented, are appropriate for reliance by the City of South Bend and Ivy Tech Community College. Use of this report for purposes beyond those reasonably intended by the City of South Bend, Ivy Tech Community College and Phifer Environmental Services, LLC, is at the sole risk of the user.

### **QUALIFICATIONS**

The results and conclusions, as presented herein, are applicable to the specific dates and locations, as noted. This report does not warrant against future operations or conditions, nor does it warrant against historical operations or conditions that may have occurred at locations not specifically investigated by Phifer Environmental Services. While the conclusions and recommendations drawn from this Phase II Environmental Site Assessment are considered reliable relative to the presence of significant areas of contamination; other existing localized contamination, or variations in subsurface conditions, unknown to Phifer Environmental Services, may not have been identified or fully defined by this Environmental Assessment.

### **CLOSURE**

Phifer Environmental Services, LLC appreciates the opportunity to be of service to the City of South Bend and Ivy Tech Community College. Should you have any questions contact us at (574) 968-7191.

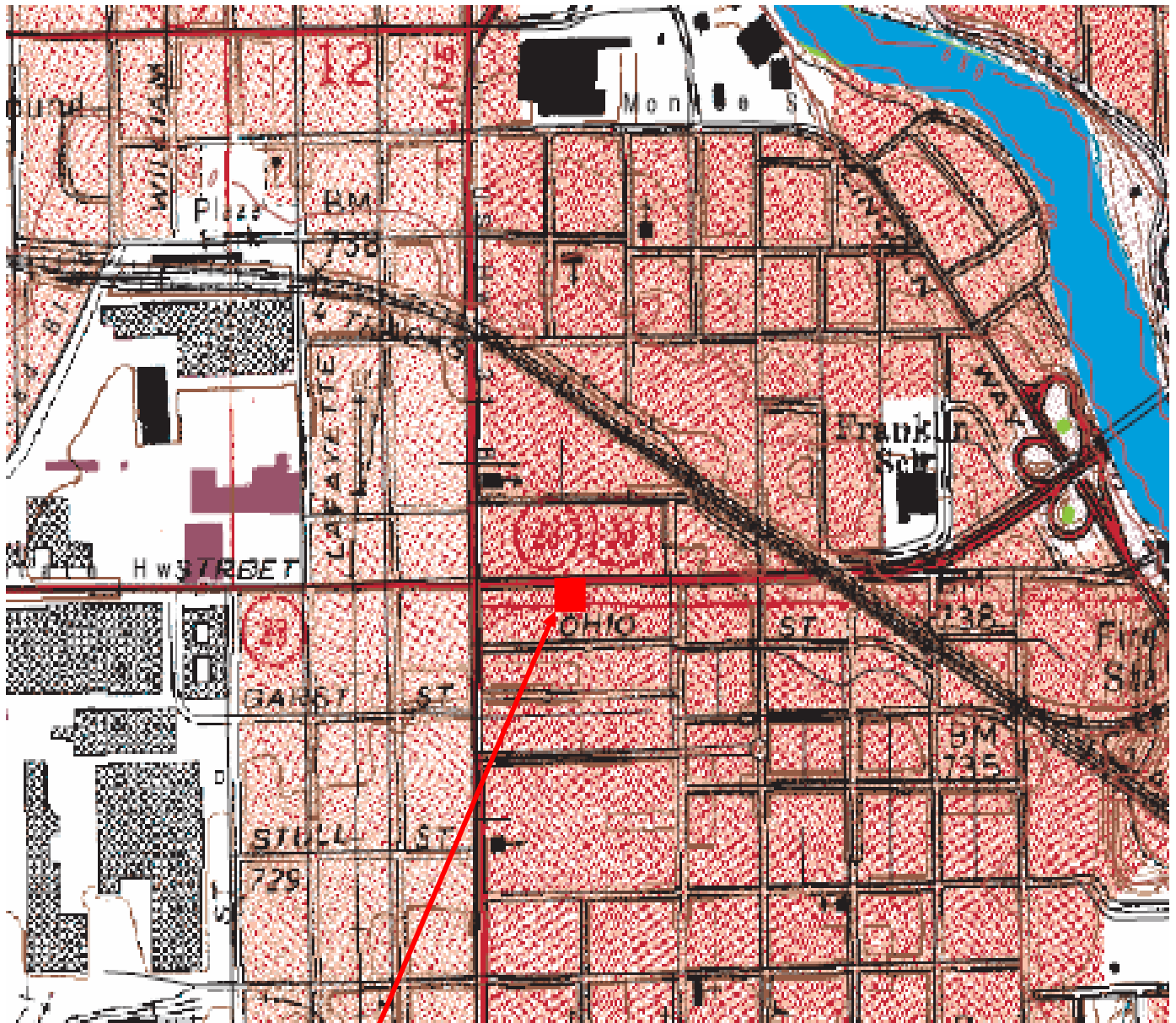
**Sincerely,**  
PHIFER ENVIRONMENTAL SERVICES, LLC

A handwritten signature in black ink, appearing to read "Conley Phifer". The signature is stylized and cursive.

**Conley Phifer, CHMM**

## **APPENDIX A**

### **FIGURES**



Subject Site (122 E Sample St)

Date: December 9, 2010	Project: Enyart Motors 122 E. Sample St. South Bend, Indiana	Drawn By: CP
Scale: Not Shown		Approved By: CBP
Source: USGS	Project No. 10-057	Figure 1 – Site Location Map



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**LEGEND**

- |  |  |
|--|--|
| 1. Enyart Motors – 122 E. Sample                   | 7. Ziker Cleaners – 251 E. Sample              |
| 2. Mason Heating, A/C & Appliances – 118 E. Sample | 8. Former Sibley Foundry – 206 E. Tutt         |
| 3. Sinco Pools – 204 E. Sample                     | 9. McCormick Motors – 816 S. Michigan          |
| 4. KSS Enterprises – 207 E. Sample                 | 10. Michiana Transmission – 902 S. Michigan    |
| 5. Bill’s Clip Joint – 222 E. Sample               | 11. Miami Auto Glass – 918 S. Michigan         |
| 6. Discount Rental – 230 E. Sample                 | 12. Juvenile Justice Center – 1016 S. Michigan |

Date: December 9, 2010	Project: Enyart Motors 122 E. Sample St. South Bend, IN	Drawn By: CP
Scale: Not Shown		Approved By: CBP
Source: Google Earth	Project No. 10-057	Figure 2 – Area Property Use



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Imagery Date: Mar 1, 2005      41°39'53.62" N    86°14'55.87" W    elev 728 ft      Eye alt 1088 ft

Date: December 9, 2010	Project: Enyart Motors 122 E. Sample St. South Bend, IN	Drawn By: CP
Scale: Not Shown		Approved By: CBP
Source: Google Earth	Project No. 10-057	Figure 3 – Boring Location Map

*Photer  
Environmental  
Services LLC*

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**APPENDIX B**  
**SOIL BORING LOGS**



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## FIELD BORING LOG

<b>Boring #:</b> Enyart GP-1	<b>Project:</b> 122 E. Sample St.
<b>Client:</b> City of South Bend	
<b>Location:</b> Exterior of building, south of garage OH doors, gravel parking lot	
<b>Start Date:</b> November 30, 2010	<b>End Date:</b> November 30, 2010
<b>Ground Elevation:</b>	<b>Total Depth:</b> 30 ft. bls
<b>Drill Company:</b> D & T Drilling	<b>Driller:</b> Josh Compo
<b>Logged By:</b> C. Phifer	<b>Drill Method:</b> Geoprobe

SAMPLE #	PENETROMETER	PID DETECTOR	DEPTH	USCS SYMBOL	DESCRIPTION OF MATERIAL: (Soil Description, USCS, Color, Moisture, Other Observations)
			0.0' – 0.5'		Aggregate
GP-1 (1')		0 ppm	0.5' – 1.0'	SC	Dark Brown/reddish-brown clayey silty sand
			1.0' – 3.0'	SC	Reddish-brown clayey sand (coarse) w/ gravel
GP-1 (3' – 5')		0 ppm	3.0' – 6.0'	SM	Light Reddish-brown fine silty sand
GP-1 (8' – 10')		0 ppm	6.0 – 12.0	SW	Light brown, coarse to fine sand w/ gravel
GP-1 (12' – 14')		0 ppm	12.0' – 15.0'	SW	Reddish-brown coarse to fine sand w/ gravel
			15.0' – 18.0'	SP	Light brown coarse sand w/ gravel
GP-1 (18' – 20')		0 ppm	18.0' – 19.5'	SP	Dark brown, coarse sand
GP-1 (22' - 24')		0 ppm	19.5' – 24.5'	SW	Light brown fine to coarse sand
GP-1 (26' – 28') (submitted for analysis)		0 ppm	24.5' – 29.0'	SP	Reddish-brown coarse sand w/ gravel
			29.0' – 30.0'	SP	Brown coarse sand – saturated, boring terminated





2502 Lincoln Way West P.O. Box #430 Mishawaka IN 46546 574-217-6298

## FIELD BORING LOG

<b>Boring #:</b> Enyart GP-2	<b>Project:</b> 122 E. Sample St.
<b>Client:</b> City of South Bend	
<b>Location:</b> Exterior of building, west gravel alleyway, half-way point of building	
<b>Start Date:</b> November 30, 2010	<b>End Date:</b> November 30, 2010
<b>Ground Elevation:</b>	<b>Total Depth:</b> 30 ft. bls
<b>Drill Company:</b> D & T Drilling	<b>Driller:</b> Josh Compo
<b>Logged By:</b> C. Phifer	<b>Drill Method:</b> Geoprobe

SAMPLE #	PENETROMETER	PID DETECTOR	DEPTH	USCS SYMBOL	DESCRIPTION OF MATERIAL: (Soil Description, USCS, Color, Moisture, Other Observations)
			0.0' – 0.5'		Aggregate
GP-2 (1')		0 ppm	0.5' – 1.0'	SC	Dark Brown coarse clayey sand
			1.0' – 2.5'	SC	Reddish-brown clayey silty sand (coarse) w/gravel
GP-2 (3' – 5')		0 ppm	2.5' – 7.0'	SP	Light Reddish-brown fine sand
GP-2 (8' – 10')		0 ppm	7.0 – 13.5	SW	Light brown, coarse sand w/ gravel
GP-2 (15' – 17')		0 ppm	13.5' – 17.0'	SP	Light brown fine sand
			17.0' – 23.0'	SW	Light brown coarse sand w/gravel (some large stones , approx. 1-inch diameter)
GP-2 (13' – 25')		0 ppm	23.0' – 27.0'	SP	Light brown coarse sand w/ gravel
GP-2 (27' – 29') submitted for analysis		0 ppm	27.0' – 30.0'	SP	Light brown fine sand - saturated at 29', boring terminated



2502 Lincoln Way West P.O. Box #430 Mishawaka IN 46546 574-217-6298

## FIELD BORING LOG

<b>Boring #:</b> Enyart GP-3	<b>Project:</b> 122 E. Sample St.
<b>Client:</b> City of South Bend	
<b>Location:</b> Exterior, NE corner of building, south of sidewalk, Sinco concrete drive	
<b>Start Date:</b> November 30, 2010	<b>End Date:</b> November 30, 2010
<b>Ground Elevation:</b>	<b>Total Depth:</b> 30 ft. bls
<b>Drill Company:</b> D & T Drilling	<b>Driller:</b> Josh Compo
<b>Logged By:</b> C. Phifer	<b>Drill Method:</b> Geoprobe

SAMPLE #	PENETROMETER	PID DETECTOR	DEPTH	USCS SYMBOL	DESCRIPTION OF MATERIAL: (Soil Description, USCS, Color, Moisture, Other Observations)
			0.0' – 0.5'		Concrete
GP-3 (1')		0 ppm	0.5' – 1.0'	SW	Dark black coarse organic sand (topsoil)
GP-3 (3' – 5')		0 ppm	1.0' – 4.5'	SC	Dark Reddish-brown clayey sand (coarse)
			4.5' – 6.0'	SP	Light brown fine sand
GP-3 (8' – 10')		0 ppm	6.0' – 12.5'	SW	Reddish brown, fine to coarse sand
			12.5' – 12.75'	CL	Reddish-brown dense clay
GP-3 (13' – 15')		0 ppm	12.75' – 14.5'	SP	Light brown coarse sand
			14.5' – 18.0'	SP	Light brown fine sand
GP-3 (18' – 20')		0 ppm	18.0' – 23.0'	SW	Light brown coarse sand w/ gravel
GP-3 (26' – 28') Submitted for analysis		0 ppm	23.0' – 27.0'	SP	Light brown coarse sand
GP-3 (26' – 28') Submitted for analysis		0 ppm	27.0' – 30.0'	SW	Light brown fine sand, saturated at 29'



2502 Lincoln Way West P.O. Box #430 Mishawaka IN 46546 574-217-6298

## FIELD BORING LOG

<b>Boring #:</b> Enyart GP-4	<b>Project:</b> 122 E. Sample St.
<b>Client:</b> City of South Bend	
<b>Location:</b> Interior of garage, concrete covering former tank pit	
<b>Start Date:</b> November 30, 2010	<b>End Date:</b> November 30, 2010
<b>Ground Elevation:</b>	<b>Total Depth:</b> 30 ft. bls
<b>Drill Company:</b> D & T Drilling	<b>Driller:</b> Josh Compo
<b>Logged By:</b> C. Phifer	<b>Drill Method:</b> Geoprobe

SAMPLE #	PENETROMETER	PID DETECTOR	DEPTH	USCS SYMBOL	DESCRIPTION OF MATERIAL: (Soil Description, USCS, Color, Moisture, Other Observations)
			0.0' – 0.5'		Concrete
			0.5' – 1.0'		Aggregate
GP-4 (3' – 5')		0 ppm	1.0' – 4.5'	SP	Light brown fine sand
			4.5' – 5.0'	SW	Dark reddish brown clayey sand (coarse), slight petroleum smell (tank backfill)
GP-4 (5' – 7')		0 ppm	5.0' – 7.5'	SP	Light brown fine sand
			7.5' – 8.0'	GW	Pea gravel (approx. 1/4-inch diameter)
GP-4 (8' – 10') Submitted for analysis		0 ppm	8.0' – 10.0'	SW	Dark, reddish-brown clayey sand (coarse), very slight petroleum smell (tank backfill)
			10.0' – 12.0'	SP	Light brown fine sand (friable)
GP-4 (15' – 17')		0 ppm	12.0' – 17.0'	SW	Light brown coarse sand w/ gravel
GP-4 (18' – 20')		0 ppm	17.0' – 20.0'	SP	Light brown fine sand, soil sampling terminated, groundwater sampling probe used for direct push to saturated soils at 30'

**APPENDIX C**  
**ANALYTICAL DATASHEETS**

December 07, 2010

Mr. Conley Phifer  
Phifer Environmental Svcs.  
2502 Lincoln Way West  
Mishawaka, IN 46546

RE: Project: ENYART / PES 10-057  
Pace Project No.: 5043907

Dear Mr. Phifer:

Enclosed are the analytical results for sample(s) received by the laboratory on December 01, 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.

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

Sincerely,



Andrew Votaw

andrew.votaw@pacelabs.com  
Project Manager

Illinois/NELAC Certification #: 100418

Indiana Certification #: C-49-06

Kansas Certification #: E-10247

Kentucky Certification #: 0042

Louisiana Certification #: 04076

Ohio VAP: CL0065

Pennsylvania: 68-00791

West Virginia Certification #: 330

Enclosures

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: ENYART / PES 10-057

Pace Project No.: 5043907

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5043907008	ENYART GP-1 (26-28)	Solid	11/30/10 09:30	12/01/10 10:29
5043907009	ENYART GP-2 (27-29)	Solid	11/30/10 11:20	12/01/10 10:29
5043907010	ENYART GP-3 (26-28)	Solid	11/30/10 12:45	12/01/10 10:29
5043907011	ENYART GP-4 (8-10)	Solid	11/30/10 13:50	12/01/10 10:29
5043907012	ENYART GP-1	Water	11/30/10 09:50	12/01/10 10:29
5043907013	ENYART GP-2	Water	11/30/10 11:30	12/01/10 10:29
5043907014	ENYART GP-3	Water	11/30/10 13:00	12/01/10 10:29
5043907015	ENYART GP-4	Water	11/30/10 14:30	12/01/10 10:29

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: ENYART / PES 10-057

Pace Project No.: 5043907

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5043907008	ENYART GP-1 (26-28)	EPA 8015 Mod Ext	EDD	2
		EPA 8270 by SIM	RRB	10
		EPA 8260	SLB	73
		ASTM D2974-87	TPD	1
5043907009	ENYART GP-2 (27-29)	EPA 8015 Mod Ext	EDD	2
		EPA 8270 by SIM	RRB	10
		EPA 8260	SLB	73
		ASTM D2974-87	TPD	1
5043907010	ENYART GP-3 (26-28)	EPA 8015 Mod Ext	EDD	2
		EPA 8270 by SIM	RRB	10
		EPA 8260	SLB	73
		ASTM D2974-87	TPD	1
5043907011	ENYART GP-4 (8-10)	EPA 8015 Mod Ext	EDD	2
		EPA 8270 by SIM	RRB	10
		EPA 8260	SLB	73
		ASTM D2974-87	TPD	1
5043907012	ENYART GP-1	EPA 8270 by SIM	RRB	10
		EPA 8260	SLB	73
5043907013	ENYART GP-2	EPA 8270 by SIM	RRB	10
		EPA 8260	SLB	73
5043907014	ENYART GP-3	EPA 8270 by SIM	RRB	10
		EPA 8260	SLB	73
5043907015	ENYART GP-4	EPA 8270 by SIM	RRB	10
		EPA 8260	SLB	73

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: ENYART / PES 10-057

Pace Project No.: 5043907

Sample: ENYART GP-1 (26-28) Lab ID: 5043907008 Collected: 11/30/10 09:30 Received: 12/01/10 10:29 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015M TPH ERO</b>								
Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	ND	mg/kg	10.3	1	12/01/10 21:20	12/02/10 11:22		
n-Pentacosane (S)	80 %		30-126	1	12/01/10 21:20	12/02/10 11:22	629-99-2	
<b>8270 MSSV PAH by SIM 5ML</b>								
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Benzo(a)anthracene	ND	ug/kg	25.8	1	12/01/10 23:25	12/02/10 14:43	56-55-3	
Benzo(a)pyrene	ND	ug/kg	25.8	1	12/01/10 23:25	12/02/10 14:43	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	25.8	1	12/01/10 23:25	12/02/10 14:43	205-99-2	
Benzo(k)fluoranthene	ND	ug/kg	25.8	1	12/01/10 23:25	12/02/10 14:43	207-08-9	
Chrysene	ND	ug/kg	25.8	1	12/01/10 23:25	12/02/10 14:43	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	25.8	1	12/01/10 23:25	12/02/10 14:43	53-70-3	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	25.8	1	12/01/10 23:25	12/02/10 14:43	193-39-5	
Naphthalene	ND	ug/kg	25.8	1	12/01/10 23:25	12/02/10 14:43	91-20-3	
2-Fluorobiphenyl (S)	68 %		46-109	1	12/01/10 23:25	12/02/10 14:43	321-60-8	
Terphenyl-d14 (S)	74 %		43-107	1	12/01/10 23:25	12/02/10 14:43	1718-51-0	
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260								
Acetone	ND	ug/kg	82.5	1		12/02/10 13:59	67-64-1	
Acrolein	ND	ug/kg	82.5	1		12/02/10 13:59	107-02-8	
Acrylonitrile	ND	ug/kg	82.5	1		12/02/10 13:59	107-13-1	
Benzene	ND	ug/kg	4.1	1		12/02/10 13:59	71-43-2	
Bromobenzene	ND	ug/kg	4.1	1		12/02/10 13:59	108-86-1	
Bromochloromethane	ND	ug/kg	4.1	1		12/02/10 13:59	74-97-5	
Bromodichloromethane	ND	ug/kg	4.1	1		12/02/10 13:59	75-27-4	
Bromoform	ND	ug/kg	4.1	1		12/02/10 13:59	75-25-2	
Bromomethane	ND	ug/kg	4.1	1		12/02/10 13:59	74-83-9	
2-Butanone (MEK)	ND	ug/kg	20.6	1		12/02/10 13:59	78-93-3	
n-Butylbenzene	ND	ug/kg	4.1	1		12/02/10 13:59	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.1	1		12/02/10 13:59	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.1	1		12/02/10 13:59	98-06-6	
Carbon disulfide	ND	ug/kg	8.2	1		12/02/10 13:59	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.1	1		12/02/10 13:59	56-23-5	
Chlorobenzene	ND	ug/kg	4.1	1		12/02/10 13:59	108-90-7	
Chloroethane	ND	ug/kg	4.1	1		12/02/10 13:59	75-00-3	
Chloroform	ND	ug/kg	4.1	1		12/02/10 13:59	67-66-3	
Chloromethane	ND	ug/kg	4.1	1		12/02/10 13:59	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.1	1		12/02/10 13:59	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.1	1		12/02/10 13:59	106-43-4	
Dibromochloromethane	ND	ug/kg	4.1	1		12/02/10 13:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.1	1		12/02/10 13:59	106-93-4	
Dibromomethane	ND	ug/kg	4.1	1		12/02/10 13:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.1	1		12/02/10 13:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.1	1		12/02/10 13:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.1	1		12/02/10 13:59	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	82.5	1		12/02/10 13:59	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.1	1		12/02/10 13:59	75-71-8	

Date: 12/07/2010 01:55 PM

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: ENYART / PES 10-057

Pace Project No.: 5043907

**Sample: ENYART GP-1 (26-28)      Lab ID: 5043907008      Collected: 11/30/10 09:30      Received: 12/01/10 10:29      Matrix: Solid**

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1-Dichloroethane	ND	ug/kg	4.1	1		12/02/10 13:59	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.1	1		12/02/10 13:59	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.1	1		12/02/10 13:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.1	1		12/02/10 13:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.1	1		12/02/10 13:59	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.1	1		12/02/10 13:59	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.1	1		12/02/10 13:59	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.1	1		12/02/10 13:59	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.1	1		12/02/10 13:59	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.1	1		12/02/10 13:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.1	1		12/02/10 13:59	10061-02-6	
Ethylbenzene	ND	ug/kg	4.1	1		12/02/10 13:59	100-41-4	
Ethyl methacrylate	ND	ug/kg	8.2	1		12/02/10 13:59	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.1	1		12/02/10 13:59	87-68-3	
n-Hexane	ND	ug/kg	4.1	1		12/02/10 13:59	110-54-3	
2-Hexanone	ND	ug/kg	82.5	1		12/02/10 13:59	591-78-6	
Iodomethane	ND	ug/kg	82.5	1		12/02/10 13:59	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.1	1		12/02/10 13:59	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.1	1		12/02/10 13:59	99-87-6	
Methylene chloride	ND	ug/kg	16.5	1		12/02/10 13:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	20.6	1		12/02/10 13:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.1	1		12/02/10 13:59	1634-04-4	
Naphthalene	ND	ug/kg	4.1	1		12/02/10 13:59	91-20-3	
n-Propylbenzene	ND	ug/kg	4.1	1		12/02/10 13:59	103-65-1	
Styrene	ND	ug/kg	4.1	1		12/02/10 13:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.1	1		12/02/10 13:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.1	1		12/02/10 13:59	79-34-5	
Tetrachloroethene	ND	ug/kg	4.1	1		12/02/10 13:59	127-18-4	
Toluene	ND	ug/kg	4.1	1		12/02/10 13:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.1	1		12/02/10 13:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.1	1		12/02/10 13:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.1	1		12/02/10 13:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.1	1		12/02/10 13:59	79-00-5	
Trichloroethene	ND	ug/kg	4.1	1		12/02/10 13:59	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.1	1		12/02/10 13:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.1	1		12/02/10 13:59	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.1	1		12/02/10 13:59	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.1	1		12/02/10 13:59	108-67-8	
Vinyl acetate	ND	ug/kg	82.5	1		12/02/10 13:59	108-05-4	
Vinyl chloride	ND	ug/kg	4.1	1		12/02/10 13:59	75-01-4	
Xylene (Total)	ND	ug/kg	8.2	1		12/02/10 13:59	1330-20-7	
Dibromofluoromethane (S)	101 %		80-124	1		12/02/10 13:59	1868-53-7	
Toluene-d8 (S)	87 %		58-145	1		12/02/10 13:59	2037-26-5	
4-Bromofluorobenzene (S)	108 %		61-131	1		12/02/10 13:59	460-00-4	

## ANALYTICAL RESULTS

Project: ENYART / PES 10-057

Pace Project No.: 5043907

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**Sample: ENYART GP-1 (26-28)**      **Lab ID: 5043907008**      Collected: 11/30/10 09:30      Received: 12/01/10 10:29      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	<b>3.0</b>	%	0.10	1		12/02/10 15:01		

## ANALYTICAL RESULTS

Project: ENYART / PES 10-057

Pace Project No.: 5043907

Sample: **ENYART GP-2 (27-29)** Lab ID: **5043907009** Collected: 11/30/10 11:20 Received: 12/01/10 10:29 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015M TPH ERO</b>		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	ND	mg/kg	10.2	1	12/01/10 21:20	12/02/10 11:29		
n-Pentacosane (S)	73 %		30-126	1	12/01/10 21:20	12/02/10 11:29	629-99-2	
<b>8270 MSSV PAH by SIM 5ML</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Benzo(a)anthracene	ND	ug/kg	25.6	1	12/01/10 23:25	12/02/10 15:00	56-55-3	
Benzo(a)pyrene	ND	ug/kg	25.6	1	12/01/10 23:25	12/02/10 15:00	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	25.6	1	12/01/10 23:25	12/02/10 15:00	205-99-2	
Benzo(k)fluoranthene	ND	ug/kg	25.6	1	12/01/10 23:25	12/02/10 15:00	207-08-9	
Chrysene	ND	ug/kg	25.6	1	12/01/10 23:25	12/02/10 15:00	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	25.6	1	12/01/10 23:25	12/02/10 15:00	53-70-3	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	25.6	1	12/01/10 23:25	12/02/10 15:00	193-39-5	
Naphthalene	ND	ug/kg	25.6	1	12/01/10 23:25	12/02/10 15:00	91-20-3	
2-Fluorobiphenyl (S)	54 %		46-109	1	12/01/10 23:25	12/02/10 15:00	321-60-8	
Terphenyl-d14 (S)	58 %		43-107	1	12/01/10 23:25	12/02/10 15:00	1718-51-0	
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	88.9	1		12/02/10 14:33	67-64-1	
Acrolein	ND	ug/kg	88.9	1		12/02/10 14:33	107-02-8	
Acrylonitrile	ND	ug/kg	88.9	1		12/02/10 14:33	107-13-1	
Benzene	ND	ug/kg	4.4	1		12/02/10 14:33	71-43-2	
Bromobenzene	ND	ug/kg	4.4	1		12/02/10 14:33	108-86-1	
Bromochloromethane	ND	ug/kg	4.4	1		12/02/10 14:33	74-97-5	
Bromodichloromethane	ND	ug/kg	4.4	1		12/02/10 14:33	75-27-4	
Bromoform	ND	ug/kg	4.4	1		12/02/10 14:33	75-25-2	
Bromomethane	ND	ug/kg	4.4	1		12/02/10 14:33	74-83-9	
2-Butanone (MEK)	ND	ug/kg	22.2	1		12/02/10 14:33	78-93-3	
n-Butylbenzene	ND	ug/kg	4.4	1		12/02/10 14:33	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.4	1		12/02/10 14:33	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.4	1		12/02/10 14:33	98-06-6	
Carbon disulfide	ND	ug/kg	8.9	1		12/02/10 14:33	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.4	1		12/02/10 14:33	56-23-5	
Chlorobenzene	ND	ug/kg	4.4	1		12/02/10 14:33	108-90-7	
Chloroethane	ND	ug/kg	4.4	1		12/02/10 14:33	75-00-3	
Chloroform	ND	ug/kg	4.4	1		12/02/10 14:33	67-66-3	
Chloromethane	ND	ug/kg	4.4	1		12/02/10 14:33	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.4	1		12/02/10 14:33	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.4	1		12/02/10 14:33	106-43-4	
Dibromochloromethane	ND	ug/kg	4.4	1		12/02/10 14:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.4	1		12/02/10 14:33	106-93-4	
Dibromomethane	ND	ug/kg	4.4	1		12/02/10 14:33	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.4	1		12/02/10 14:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.4	1		12/02/10 14:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.4	1		12/02/10 14:33	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	88.9	1		12/02/10 14:33	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.4	1		12/02/10 14:33	75-71-8	

Date: 12/07/2010 01:55 PM

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: ENYART / PES 10-057

Pace Project No.: 5043907

**Sample: ENYART GP-2 (27-29)      Lab ID: 5043907009      Collected: 11/30/10 11:20      Received: 12/01/10 10:29      Matrix: Solid**

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1-Dichloroethane	ND	ug/kg	4.4	1		12/02/10 14:33	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.4	1		12/02/10 14:33	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.4	1		12/02/10 14:33	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.4	1		12/02/10 14:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.4	1		12/02/10 14:33	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.4	1		12/02/10 14:33	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.4	1		12/02/10 14:33	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.4	1		12/02/10 14:33	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.4	1		12/02/10 14:33	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.4	1		12/02/10 14:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.4	1		12/02/10 14:33	10061-02-6	
Ethylbenzene	ND	ug/kg	4.4	1		12/02/10 14:33	100-41-4	
Ethyl methacrylate	ND	ug/kg	8.9	1		12/02/10 14:33	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.4	1		12/02/10 14:33	87-68-3	
n-Hexane	ND	ug/kg	4.4	1		12/02/10 14:33	110-54-3	
2-Hexanone	ND	ug/kg	88.9	1		12/02/10 14:33	591-78-6	
Iodomethane	ND	ug/kg	88.9	1		12/02/10 14:33	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.4	1		12/02/10 14:33	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.4	1		12/02/10 14:33	99-87-6	
Methylene chloride	ND	ug/kg	17.8	1		12/02/10 14:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	22.2	1		12/02/10 14:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.4	1		12/02/10 14:33	1634-04-4	
Naphthalene	ND	ug/kg	4.4	1		12/02/10 14:33	91-20-3	
n-Propylbenzene	ND	ug/kg	4.4	1		12/02/10 14:33	103-65-1	
Styrene	ND	ug/kg	4.4	1		12/02/10 14:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.4	1		12/02/10 14:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.4	1		12/02/10 14:33	79-34-5	
Tetrachloroethene	ND	ug/kg	4.4	1		12/02/10 14:33	127-18-4	
Toluene	ND	ug/kg	4.4	1		12/02/10 14:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.4	1		12/02/10 14:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.4	1		12/02/10 14:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.4	1		12/02/10 14:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.4	1		12/02/10 14:33	79-00-5	
Trichloroethene	ND	ug/kg	4.4	1		12/02/10 14:33	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.4	1		12/02/10 14:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.4	1		12/02/10 14:33	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.4	1		12/02/10 14:33	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.4	1		12/02/10 14:33	108-67-8	
Vinyl acetate	ND	ug/kg	88.9	1		12/02/10 14:33	108-05-4	
Vinyl chloride	ND	ug/kg	4.4	1		12/02/10 14:33	75-01-4	
Xylene (Total)	ND	ug/kg	8.9	1		12/02/10 14:33	1330-20-7	
Dibromofluoromethane (S)	101 %		80-124	1		12/02/10 14:33	1868-53-7	
Toluene-d8 (S)	85 %		58-145	1		12/02/10 14:33	2037-26-5	
4-Bromofluorobenzene (S)	109 %		61-131	1		12/02/10 14:33	460-00-4	

## ANALYTICAL RESULTS

Project: ENYART / PES 10-057

Pace Project No.: 5043907

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**Sample: ENYART GP-2 (27-29)**      **Lab ID: 5043907009**      Collected: 11/30/10 11:20      Received: 12/01/10 10:29      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	<b>2.3</b>	%	0.10	1		12/02/10 15:01		

## ANALYTICAL RESULTS

Project: ENYART / PES 10-057

Pace Project No.: 5043907

Sample: **ENYART GP-3 (26-28)** Lab ID: **5043907010** Collected: 11/30/10 12:45 Received: 12/01/10 10:29 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015M TPH ERO</b>		Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546						
High End Organics (C8-C34)	ND	mg/kg	10.3	1	12/01/10 21:20	12/02/10 11:36		
n-Pentacosane (S)	68 %		30-126	1	12/01/10 21:20	12/02/10 11:36	629-99-2	
<b>8270 MSSV PAH by SIM 5ML</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Benzo(a)anthracene	ND	ug/kg	25.8	1	12/01/10 23:25	12/02/10 15:18	56-55-3	
Benzo(a)pyrene	ND	ug/kg	25.8	1	12/01/10 23:25	12/02/10 15:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	25.8	1	12/01/10 23:25	12/02/10 15:18	205-99-2	
Benzo(k)fluoranthene	ND	ug/kg	25.8	1	12/01/10 23:25	12/02/10 15:18	207-08-9	
Chrysene	ND	ug/kg	25.8	1	12/01/10 23:25	12/02/10 15:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	25.8	1	12/01/10 23:25	12/02/10 15:18	53-70-3	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	25.8	1	12/01/10 23:25	12/02/10 15:18	193-39-5	
Naphthalene	ND	ug/kg	25.8	1	12/01/10 23:25	12/02/10 15:18	91-20-3	
2-Fluorobiphenyl (S)	57 %		46-109	1	12/01/10 23:25	12/02/10 15:18	321-60-8	
Terphenyl-d14 (S)	62 %		43-107	1	12/01/10 23:25	12/02/10 15:18	1718-51-0	
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	93.0	1		12/02/10 15:07	67-64-1	
Acrolein	ND	ug/kg	93.0	1		12/02/10 15:07	107-02-8	
Acrylonitrile	ND	ug/kg	93.0	1		12/02/10 15:07	107-13-1	
Benzene	ND	ug/kg	4.7	1		12/02/10 15:07	71-43-2	
Bromobenzene	ND	ug/kg	4.7	1		12/02/10 15:07	108-86-1	
Bromochloromethane	ND	ug/kg	4.7	1		12/02/10 15:07	74-97-5	
Bromodichloromethane	ND	ug/kg	4.7	1		12/02/10 15:07	75-27-4	
Bromoform	ND	ug/kg	4.7	1		12/02/10 15:07	75-25-2	
Bromomethane	ND	ug/kg	4.7	1		12/02/10 15:07	74-83-9	
2-Butanone (MEK)	ND	ug/kg	23.3	1		12/02/10 15:07	78-93-3	
n-Butylbenzene	ND	ug/kg	4.7	1		12/02/10 15:07	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.7	1		12/02/10 15:07	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.7	1		12/02/10 15:07	98-06-6	
Carbon disulfide	ND	ug/kg	9.3	1		12/02/10 15:07	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.7	1		12/02/10 15:07	56-23-5	
Chlorobenzene	ND	ug/kg	4.7	1		12/02/10 15:07	108-90-7	
Chloroethane	ND	ug/kg	4.7	1		12/02/10 15:07	75-00-3	
Chloroform	ND	ug/kg	4.7	1		12/02/10 15:07	67-66-3	
Chloromethane	ND	ug/kg	4.7	1		12/02/10 15:07	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.7	1		12/02/10 15:07	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.7	1		12/02/10 15:07	106-43-4	
Dibromochloromethane	ND	ug/kg	4.7	1		12/02/10 15:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.7	1		12/02/10 15:07	106-93-4	
Dibromomethane	ND	ug/kg	4.7	1		12/02/10 15:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.7	1		12/02/10 15:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.7	1		12/02/10 15:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.7	1		12/02/10 15:07	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	93.0	1		12/02/10 15:07	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.7	1		12/02/10 15:07	75-71-8	

## ANALYTICAL RESULTS

Project: ENYART / PES 10-057

Pace Project No.: 5043907

**Sample: ENYART GP-3 (26-28)      Lab ID: 5043907010      Collected: 11/30/10 12:45      Received: 12/01/10 10:29      Matrix: Solid**

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1-Dichloroethane	ND	ug/kg	4.7	1		12/02/10 15:07	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.7	1		12/02/10 15:07	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.7	1		12/02/10 15:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.7	1		12/02/10 15:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.7	1		12/02/10 15:07	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.7	1		12/02/10 15:07	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.7	1		12/02/10 15:07	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.7	1		12/02/10 15:07	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.7	1		12/02/10 15:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.7	1		12/02/10 15:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.7	1		12/02/10 15:07	10061-02-6	
Ethylbenzene	ND	ug/kg	4.7	1		12/02/10 15:07	100-41-4	
Ethyl methacrylate	ND	ug/kg	9.3	1		12/02/10 15:07	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.7	1		12/02/10 15:07	87-68-3	
n-Hexane	ND	ug/kg	4.7	1		12/02/10 15:07	110-54-3	
2-Hexanone	ND	ug/kg	93.0	1		12/02/10 15:07	591-78-6	
Iodomethane	ND	ug/kg	93.0	1		12/02/10 15:07	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	1		12/02/10 15:07	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.7	1		12/02/10 15:07	99-87-6	
Methylene chloride	ND	ug/kg	18.6	1		12/02/10 15:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	23.3	1		12/02/10 15:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	1		12/02/10 15:07	1634-04-4	
Naphthalene	ND	ug/kg	4.7	1		12/02/10 15:07	91-20-3	
n-Propylbenzene	ND	ug/kg	4.7	1		12/02/10 15:07	103-65-1	
Styrene	ND	ug/kg	4.7	1		12/02/10 15:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.7	1		12/02/10 15:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1		12/02/10 15:07	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	1		12/02/10 15:07	127-18-4	
Toluene	ND	ug/kg	4.7	1		12/02/10 15:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.7	1		12/02/10 15:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1		12/02/10 15:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	1		12/02/10 15:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	1		12/02/10 15:07	79-00-5	
Trichloroethene	ND	ug/kg	4.7	1		12/02/10 15:07	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.7	1		12/02/10 15:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.7	1		12/02/10 15:07	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.7	1		12/02/10 15:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	1		12/02/10 15:07	108-67-8	
Vinyl acetate	ND	ug/kg	93.0	1		12/02/10 15:07	108-05-4	
Vinyl chloride	ND	ug/kg	4.7	1		12/02/10 15:07	75-01-4	
Xylene (Total)	ND	ug/kg	9.3	1		12/02/10 15:07	1330-20-7	
Dibromofluoromethane (S)	99 %		80-124	1		12/02/10 15:07	1868-53-7	
Toluene-d8 (S)	83 %		58-145	1		12/02/10 15:07	2037-26-5	
4-Bromofluorobenzene (S)	107 %		61-131	1		12/02/10 15:07	460-00-4	

## ANALYTICAL RESULTS

Project: ENYART / PES 10-057

Pace Project No.: 5043907

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**Sample: ENYART GP-3 (26-28)**      **Lab ID: 5043907010**      Collected: 11/30/10 12:45      Received: 12/01/10 10:29      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	<b>3.0</b>	%	0.10	1		12/02/10 15:02		



## ANALYTICAL RESULTS

Project: ENYART / PES 10-057

Pace Project No.: 5043907

Sample: **ENYART GP-4 (8-10)** Lab ID: **5043907011** Collected: 11/30/10 13:50 Received: 12/01/10 10:29 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015M TPH ERO</b>								
Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	ND	mg/kg	10.7	1	12/01/10 21:20	12/02/10 11:43		
n-Pentacosane (S)	79 %		30-126	1	12/01/10 21:20	12/02/10 11:43	629-99-2	
<b>8270 MSSV PAH by SIM 5ML</b>								
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Benzo(a)anthracene	123	ug/kg	26.7	1	12/01/10 23:25	12/02/10 17:36	56-55-3	
Benzo(a)pyrene	142	ug/kg	26.7	1	12/01/10 23:25	12/02/10 17:36	50-32-8	
Benzo(b)fluoranthene	144	ug/kg	26.7	1	12/01/10 23:25	12/02/10 17:36	205-99-2	
Benzo(k)fluoranthene	149	ug/kg	26.7	1	12/01/10 23:25	12/02/10 17:36	207-08-9	
Chrysene	139	ug/kg	26.7	1	12/01/10 23:25	12/02/10 17:36	218-01-9	
Dibenz(a,h)anthracene	43.8	ug/kg	26.7	1	12/01/10 23:25	12/02/10 17:36	53-70-3	
Indeno(1,2,3-cd)pyrene	109	ug/kg	26.7	1	12/01/10 23:25	12/02/10 17:36	193-39-5	
Naphthalene	ND	ug/kg	26.7	1	12/01/10 23:25	12/02/10 17:36	91-20-3	
2-Fluorobiphenyl (S)	68 %		46-109	1	12/01/10 23:25	12/02/10 17:36	321-60-8	
Terphenyl-d14 (S)	71 %		43-107	1	12/01/10 23:25	12/02/10 17:36	1718-51-0	
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260								
Acetone	ND	ug/kg	87.2	1		12/02/10 15:40	67-64-1	
Acrolein	ND	ug/kg	87.2	1		12/02/10 15:40	107-02-8	
Acrylonitrile	ND	ug/kg	87.2	1		12/02/10 15:40	107-13-1	
Benzene	ND	ug/kg	4.4	1		12/02/10 15:40	71-43-2	
Bromobenzene	ND	ug/kg	4.4	1		12/02/10 15:40	108-86-1	
Bromochloromethane	ND	ug/kg	4.4	1		12/02/10 15:40	74-97-5	
Bromodichloromethane	ND	ug/kg	4.4	1		12/02/10 15:40	75-27-4	
Bromoform	ND	ug/kg	4.4	1		12/02/10 15:40	75-25-2	
Bromomethane	ND	ug/kg	4.4	1		12/02/10 15:40	74-83-9	
2-Butanone (MEK)	ND	ug/kg	21.8	1		12/02/10 15:40	78-93-3	
n-Butylbenzene	ND	ug/kg	4.4	1		12/02/10 15:40	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.4	1		12/02/10 15:40	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.4	1		12/02/10 15:40	98-06-6	
Carbon disulfide	ND	ug/kg	8.7	1		12/02/10 15:40	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.4	1		12/02/10 15:40	56-23-5	
Chlorobenzene	ND	ug/kg	4.4	1		12/02/10 15:40	108-90-7	
Chloroethane	ND	ug/kg	4.4	1		12/02/10 15:40	75-00-3	
Chloroform	ND	ug/kg	4.4	1		12/02/10 15:40	67-66-3	
Chloromethane	ND	ug/kg	4.4	1		12/02/10 15:40	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.4	1		12/02/10 15:40	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.4	1		12/02/10 15:40	106-43-4	
Dibromochloromethane	ND	ug/kg	4.4	1		12/02/10 15:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.4	1		12/02/10 15:40	106-93-4	
Dibromomethane	ND	ug/kg	4.4	1		12/02/10 15:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.4	1		12/02/10 15:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.4	1		12/02/10 15:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.4	1		12/02/10 15:40	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	87.2	1		12/02/10 15:40	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.4	1		12/02/10 15:40	75-71-8	

## ANALYTICAL RESULTS

Project: ENYART / PES 10-057

Pace Project No.: 5043907

**Sample: ENYART GP-4 (8-10)      Lab ID: 5043907011      Collected: 11/30/10 13:50      Received: 12/01/10 10:29      Matrix: Solid**

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1-Dichloroethane	ND	ug/kg	4.4	1		12/02/10 15:40	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.4	1		12/02/10 15:40	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.4	1		12/02/10 15:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.4	1		12/02/10 15:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.4	1		12/02/10 15:40	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.4	1		12/02/10 15:40	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.4	1		12/02/10 15:40	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.4	1		12/02/10 15:40	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.4	1		12/02/10 15:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.4	1		12/02/10 15:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.4	1		12/02/10 15:40	10061-02-6	
Ethylbenzene	ND	ug/kg	4.4	1		12/02/10 15:40	100-41-4	
Ethyl methacrylate	ND	ug/kg	8.7	1		12/02/10 15:40	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.4	1		12/02/10 15:40	87-68-3	
n-Hexane	ND	ug/kg	4.4	1		12/02/10 15:40	110-54-3	
2-Hexanone	ND	ug/kg	87.2	1		12/02/10 15:40	591-78-6	
Iodomethane	ND	ug/kg	87.2	1		12/02/10 15:40	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.4	1		12/02/10 15:40	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.4	1		12/02/10 15:40	99-87-6	
Methylene chloride	ND	ug/kg	17.4	1		12/02/10 15:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	21.8	1		12/02/10 15:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.4	1		12/02/10 15:40	1634-04-4	
Naphthalene	ND	ug/kg	4.4	1		12/02/10 15:40	91-20-3	
n-Propylbenzene	ND	ug/kg	4.4	1		12/02/10 15:40	103-65-1	
Styrene	ND	ug/kg	4.4	1		12/02/10 15:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.4	1		12/02/10 15:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.4	1		12/02/10 15:40	79-34-5	
Tetrachloroethene	ND	ug/kg	4.4	1		12/02/10 15:40	127-18-4	
Toluene	ND	ug/kg	4.4	1		12/02/10 15:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.4	1		12/02/10 15:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.4	1		12/02/10 15:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.4	1		12/02/10 15:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.4	1		12/02/10 15:40	79-00-5	
Trichloroethene	ND	ug/kg	4.4	1		12/02/10 15:40	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.4	1		12/02/10 15:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.4	1		12/02/10 15:40	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.4	1		12/02/10 15:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.4	1		12/02/10 15:40	108-67-8	
Vinyl acetate	ND	ug/kg	87.2	1		12/02/10 15:40	108-05-4	
Vinyl chloride	ND	ug/kg	4.4	1		12/02/10 15:40	75-01-4	
Xylene (Total)	ND	ug/kg	8.7	1		12/02/10 15:40	1330-20-7	
Dibromofluoromethane (S)	112 %		80-124	1		12/02/10 15:40	1868-53-7	
Toluene-d8 (S)	78 %		58-145	1		12/02/10 15:40	2037-26-5	
4-Bromofluorobenzene (S)	102 %		61-131	1		12/02/10 15:40	460-00-4	

## ANALYTICAL RESULTS

Project: ENYART / PES 10-057

Pace Project No.: 5043907

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**Sample: ENYART GP-4 (8-10)**      **Lab ID: 5043907011**      Collected: 11/30/10 13:50      Received: 12/01/10 10:29      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	<b>6.5</b>	%	0.10	1		12/02/10 15:02		

## ANALYTICAL RESULTS

Project: ENYART / PES 10-057

Pace Project No.: 5043907

<b>Sample:</b> ENYART GP-1	<b>Lab ID:</b> 5043907012	Collected: 11/30/10 09:50	Received: 12/01/10 10:29	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

**8270 MSSV PAH by SIM**

Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510

Benzo(a)anthracene	ND ug/L		0.11	1	12/02/10 10:30	12/02/10 21:49	56-55-3	
Benzo(a)pyrene	ND ug/L		0.11	1	12/02/10 10:30	12/02/10 21:49	50-32-8	
Benzo(b)fluoranthene	ND ug/L		0.11	1	12/02/10 10:30	12/02/10 21:49	205-99-2	
Benzo(k)fluoranthene	ND ug/L		0.11	1	12/02/10 10:30	12/02/10 21:49	207-08-9	
Chrysene	ND ug/L		0.54	1	12/02/10 10:30	12/02/10 21:49	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		0.11	1	12/02/10 10:30	12/02/10 21:49	53-70-3	
Indeno(1,2,3-cd)pyrene	ND ug/L		0.11	1	12/02/10 10:30	12/02/10 21:49	193-39-5	
Naphthalene	ND ug/L		1.1	1	12/02/10 10:30	12/02/10 21:49	91-20-3	
2-Fluorobiphenyl (S)	91 %		26-106	1	12/02/10 10:30	12/02/10 21:49	321-60-8	
Terphenyl-d14 (S)	75 %		16-111	1	12/02/10 10:30	12/02/10 21:49	1718-51-0	

**8260 MSV**

Analytical Method: EPA 8260

Acetone	ND ug/L		100	1		12/02/10 10:31	67-64-1	
Acrolein	ND ug/L		50.0	1		12/02/10 10:31	107-02-8	
Acrylonitrile	ND ug/L		100	1		12/02/10 10:31	107-13-1	
Benzene	ND ug/L		5.0	1		12/02/10 10:31	71-43-2	
Bromobenzene	ND ug/L		5.0	1		12/02/10 10:31	108-86-1	
Bromochloromethane	ND ug/L		5.0	1		12/02/10 10:31	74-97-5	
Bromodichloromethane	ND ug/L		5.0	1		12/02/10 10:31	75-27-4	
Bromoform	ND ug/L		5.0	1		12/02/10 10:31	75-25-2	
Bromomethane	ND ug/L		5.0	1		12/02/10 10:31	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		12/02/10 10:31	78-93-3	
n-Butylbenzene	ND ug/L		5.0	1		12/02/10 10:31	104-51-8	
sec-Butylbenzene	ND ug/L		5.0	1		12/02/10 10:31	135-98-8	
tert-Butylbenzene	ND ug/L		5.0	1		12/02/10 10:31	98-06-6	
Carbon disulfide	ND ug/L		10.0	1		12/02/10 10:31	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		12/02/10 10:31	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		12/02/10 10:31	108-90-7	
Chloroethane	ND ug/L		5.0	1		12/02/10 10:31	75-00-3	
Chloroform	ND ug/L		5.0	1		12/02/10 10:31	67-66-3	
Chloromethane	ND ug/L		5.0	1		12/02/10 10:31	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		12/02/10 10:31	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		12/02/10 10:31	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		12/02/10 10:31	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		12/02/10 10:31	106-93-4	
Dibromomethane	ND ug/L		5.0	1		12/02/10 10:31	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		12/02/10 10:31	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		12/02/10 10:31	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		12/02/10 10:31	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		12/02/10 10:31	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		12/02/10 10:31	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		12/02/10 10:31	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		12/02/10 10:31	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		12/02/10 10:31	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		12/02/10 10:31	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		12/02/10 10:31	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		12/02/10 10:31	78-87-5	

Date: 12/07/2010 01:55 PM

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: ENYART / PES 10-057

Pace Project No.: 5043907

Sample: ENYART GP-1	Lab ID: 5043907012	Collected: 11/30/10 09:50	Received: 12/01/10 10:29	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
1,3-Dichloropropane	ND ug/L		5.0	1		12/02/10 10:31	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		12/02/10 10:31	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		12/02/10 10:31	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		12/02/10 10:31	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		12/02/10 10:31	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		12/02/10 10:31	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		12/02/10 10:31	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		12/02/10 10:31	87-68-3	
n-Hexane	ND ug/L		5.0	1		12/02/10 10:31	110-54-3	
2-Hexanone	ND ug/L		25.0	1		12/02/10 10:31	591-78-6	
Iodomethane	ND ug/L		10.0	1		12/02/10 10:31	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		12/02/10 10:31	98-82-8	
p-Isopropyltoluene	ND ug/L		5.0	1		12/02/10 10:31	99-87-6	
Methylene chloride	ND ug/L		5.0	1		12/02/10 10:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		12/02/10 10:31	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		12/02/10 10:31	1634-04-4	
Naphthalene	ND ug/L		5.0	1		12/02/10 10:31	91-20-3	
n-Propylbenzene	ND ug/L		5.0	1		12/02/10 10:31	103-65-1	
Styrene	ND ug/L		5.0	1		12/02/10 10:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		5.0	1		12/02/10 10:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		12/02/10 10:31	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		12/02/10 10:31	127-18-4	
Toluene	ND ug/L		5.0	1		12/02/10 10:31	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		5.0	1		12/02/10 10:31	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		12/02/10 10:31	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		12/02/10 10:31	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		12/02/10 10:31	79-00-5	
Trichloroethene	ND ug/L		5.0	1		12/02/10 10:31	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		12/02/10 10:31	75-69-4	
1,2,3-Trichloropropane	ND ug/L		5.0	1		12/02/10 10:31	96-18-4	
1,2,4-Trimethylbenzene	ND ug/L		5.0	1		12/02/10 10:31	95-63-6	
1,3,5-Trimethylbenzene	ND ug/L		5.0	1		12/02/10 10:31	108-67-8	
Vinyl acetate	ND ug/L		10.0	1		12/02/10 10:31	108-05-4	
Vinyl chloride	ND ug/L		2.0	1		12/02/10 10:31	75-01-4	
Xylene (Total)	ND ug/L		10.0	1		12/02/10 10:31	1330-20-7	
Dibromofluoromethane (S)	98 %		80-123	1		12/02/10 10:31	1868-53-7	
4-Bromofluorobenzene (S)	105 %		70-126	1		12/02/10 10:31	460-00-4	
Toluene-d8 (S)	80 %		80-116	1		12/02/10 10:31	2037-26-5	

## ANALYTICAL RESULTS

Project: ENYART / PES 10-057

Pace Project No.: 5043907

<b>Sample:</b> ENYART GP-2	<b>Lab ID:</b> 5043907013	Collected: 11/30/10 11:30	Received: 12/01/10 10:29	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

### 8270 MSSV PAH by SIM

Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510

Benzo(a)anthracene	ND ug/L		0.10	1	12/02/10 10:30	12/02/10 22:06	56-55-3	
Benzo(a)pyrene	ND ug/L		0.10	1	12/02/10 10:30	12/02/10 22:06	50-32-8	
Benzo(b)fluoranthene	ND ug/L		0.10	1	12/02/10 10:30	12/02/10 22:06	205-99-2	
Benzo(k)fluoranthene	ND ug/L		0.10	1	12/02/10 10:30	12/02/10 22:06	207-08-9	
Chrysene	ND ug/L		0.51	1	12/02/10 10:30	12/02/10 22:06	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		0.10	1	12/02/10 10:30	12/02/10 22:06	53-70-3	
Indeno(1,2,3-cd)pyrene	ND ug/L		0.10	1	12/02/10 10:30	12/02/10 22:06	193-39-5	
Naphthalene	ND ug/L		1.0	1	12/02/10 10:30	12/02/10 22:06	91-20-3	
2-Fluorobiphenyl (S)	91 %		26-106	1	12/02/10 10:30	12/02/10 22:06	321-60-8	
Terphenyl-d14 (S)	75 %		16-111	1	12/02/10 10:30	12/02/10 22:06	1718-51-0	

### 8260 MSV

Analytical Method: EPA 8260

Acetone	ND ug/L		100	1		12/02/10 11:05	67-64-1	
Acrolein	ND ug/L		50.0	1		12/02/10 11:05	107-02-8	
Acrylonitrile	ND ug/L		100	1		12/02/10 11:05	107-13-1	
Benzene	ND ug/L		5.0	1		12/02/10 11:05	71-43-2	
Bromobenzene	ND ug/L		5.0	1		12/02/10 11:05	108-86-1	
Bromochloromethane	ND ug/L		5.0	1		12/02/10 11:05	74-97-5	
Bromodichloromethane	ND ug/L		5.0	1		12/02/10 11:05	75-27-4	
Bromoform	ND ug/L		5.0	1		12/02/10 11:05	75-25-2	
Bromomethane	ND ug/L		5.0	1		12/02/10 11:05	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		12/02/10 11:05	78-93-3	
n-Butylbenzene	ND ug/L		5.0	1		12/02/10 11:05	104-51-8	
sec-Butylbenzene	ND ug/L		5.0	1		12/02/10 11:05	135-98-8	
tert-Butylbenzene	ND ug/L		5.0	1		12/02/10 11:05	98-06-6	
Carbon disulfide	ND ug/L		10.0	1		12/02/10 11:05	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		12/02/10 11:05	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		12/02/10 11:05	108-90-7	
Chloroethane	ND ug/L		5.0	1		12/02/10 11:05	75-00-3	
Chloroform	ND ug/L		5.0	1		12/02/10 11:05	67-66-3	
Chloromethane	ND ug/L		5.0	1		12/02/10 11:05	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		12/02/10 11:05	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		12/02/10 11:05	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		12/02/10 11:05	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		12/02/10 11:05	106-93-4	
Dibromomethane	ND ug/L		5.0	1		12/02/10 11:05	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		12/02/10 11:05	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		12/02/10 11:05	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		12/02/10 11:05	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		12/02/10 11:05	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		12/02/10 11:05	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		12/02/10 11:05	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		12/02/10 11:05	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		12/02/10 11:05	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		12/02/10 11:05	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		12/02/10 11:05	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		12/02/10 11:05	78-87-5	

Date: 12/07/2010 01:55 PM

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## ANALYTICAL RESULTS

Project: ENYART / PES 10-057

Pace Project No.: 5043907

Sample: ENYART GP-2	Lab ID: 5043907013	Collected: 11/30/10 11:30	Received: 12/01/10 10:29	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
1,3-Dichloropropane	ND ug/L		5.0	1		12/02/10 11:05	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		12/02/10 11:05	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		12/02/10 11:05	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		12/02/10 11:05	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		12/02/10 11:05	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		12/02/10 11:05	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		12/02/10 11:05	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		12/02/10 11:05	87-68-3	
n-Hexane	ND ug/L		5.0	1		12/02/10 11:05	110-54-3	
2-Hexanone	ND ug/L		25.0	1		12/02/10 11:05	591-78-6	
Iodomethane	ND ug/L		10.0	1		12/02/10 11:05	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		12/02/10 11:05	98-82-8	
p-Isopropyltoluene	ND ug/L		5.0	1		12/02/10 11:05	99-87-6	
Methylene chloride	ND ug/L		5.0	1		12/02/10 11:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		12/02/10 11:05	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		12/02/10 11:05	1634-04-4	
Naphthalene	ND ug/L		5.0	1		12/02/10 11:05	91-20-3	
n-Propylbenzene	ND ug/L		5.0	1		12/02/10 11:05	103-65-1	
Styrene	ND ug/L		5.0	1		12/02/10 11:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		5.0	1		12/02/10 11:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		12/02/10 11:05	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		12/02/10 11:05	127-18-4	
Toluene	ND ug/L		5.0	1		12/02/10 11:05	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		5.0	1		12/02/10 11:05	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		12/02/10 11:05	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		12/02/10 11:05	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		12/02/10 11:05	79-00-5	
Trichloroethene	ND ug/L		5.0	1		12/02/10 11:05	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		12/02/10 11:05	75-69-4	
1,2,3-Trichloropropane	ND ug/L		5.0	1		12/02/10 11:05	96-18-4	
1,2,4-Trimethylbenzene	ND ug/L		5.0	1		12/02/10 11:05	95-63-6	
1,3,5-Trimethylbenzene	ND ug/L		5.0	1		12/02/10 11:05	108-67-8	
Vinyl acetate	ND ug/L		10.0	1		12/02/10 11:05	108-05-4	
Vinyl chloride	ND ug/L		2.0	1		12/02/10 11:05	75-01-4	
Xylene (Total)	ND ug/L		10.0	1		12/02/10 11:05	1330-20-7	
Dibromofluoromethane (S)	98 %		80-123	1		12/02/10 11:05	1868-53-7	
4-Bromofluorobenzene (S)	112 %		70-126	1		12/02/10 11:05	460-00-4	
Toluene-d8 (S)	87 %		80-116	1		12/02/10 11:05	2037-26-5	



## ANALYTICAL RESULTS

Project: ENYART / PES 10-057

Pace Project No.: 5043907

**Sample: ENYART GP-3**      **Lab ID: 5043907014**      Collected: 11/30/10 13:00      Received: 12/01/10 10:29      Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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**8270 MSSV PAH by SIM**

Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3510

Benzo(a)anthracene	ND ug/L		0.10	1	12/02/10 10:30	12/02/10 22:24	56-55-3	
Benzo(a)pyrene	ND ug/L		0.10	1	12/02/10 10:30	12/02/10 22:24	50-32-8	
Benzo(b)fluoranthene	ND ug/L		0.10	1	12/02/10 10:30	12/02/10 22:24	205-99-2	
Benzo(k)fluoranthene	ND ug/L		0.10	1	12/02/10 10:30	12/02/10 22:24	207-08-9	
Chrysene	ND ug/L		0.52	1	12/02/10 10:30	12/02/10 22:24	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		0.10	1	12/02/10 10:30	12/02/10 22:24	53-70-3	
Indeno(1,2,3-cd)pyrene	ND ug/L		0.10	1	12/02/10 10:30	12/02/10 22:24	193-39-5	
Naphthalene	ND ug/L		1.0	1	12/02/10 10:30	12/02/10 22:24	91-20-3	
2-Fluorobiphenyl (S)	91 %		26-106	1	12/02/10 10:30	12/02/10 22:24	321-60-8	
Terphenyl-d14 (S)	81 %		16-111	1	12/02/10 10:30	12/02/10 22:24	1718-51-0	

**8260 MSV**

Analytical Method: EPA 8260

Acetone	ND ug/L		100	1		12/02/10 11:41	67-64-1	
Acrolein	ND ug/L		50.0	1		12/02/10 11:41	107-02-8	
Acrylonitrile	ND ug/L		100	1		12/02/10 11:41	107-13-1	
Benzene	ND ug/L		5.0	1		12/02/10 11:41	71-43-2	
Bromobenzene	ND ug/L		5.0	1		12/02/10 11:41	108-86-1	
Bromochloromethane	ND ug/L		5.0	1		12/02/10 11:41	74-97-5	
Bromodichloromethane	ND ug/L		5.0	1		12/02/10 11:41	75-27-4	
Bromoform	ND ug/L		5.0	1		12/02/10 11:41	75-25-2	
Bromomethane	ND ug/L		5.0	1		12/02/10 11:41	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		12/02/10 11:41	78-93-3	
n-Butylbenzene	ND ug/L		5.0	1		12/02/10 11:41	104-51-8	
sec-Butylbenzene	ND ug/L		5.0	1		12/02/10 11:41	135-98-8	
tert-Butylbenzene	ND ug/L		5.0	1		12/02/10 11:41	98-06-6	
Carbon disulfide	ND ug/L		10.0	1		12/02/10 11:41	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		12/02/10 11:41	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		12/02/10 11:41	108-90-7	
Chloroethane	ND ug/L		5.0	1		12/02/10 11:41	75-00-3	
Chloroform	ND ug/L		5.0	1		12/02/10 11:41	67-66-3	
Chloromethane	ND ug/L		5.0	1		12/02/10 11:41	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		12/02/10 11:41	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		12/02/10 11:41	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		12/02/10 11:41	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		12/02/10 11:41	106-93-4	
Dibromomethane	ND ug/L		5.0	1		12/02/10 11:41	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		12/02/10 11:41	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		12/02/10 11:41	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		12/02/10 11:41	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		12/02/10 11:41	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		12/02/10 11:41	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		12/02/10 11:41	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		12/02/10 11:41	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		12/02/10 11:41	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		12/02/10 11:41	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		12/02/10 11:41	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		12/02/10 11:41	78-87-5	

Date: 12/07/2010 01:55 PM

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: ENYART / PES 10-057

Pace Project No.: 5043907

Sample: ENYART GP-3		Lab ID: 5043907014	Collected: 11/30/10 13:00	Received: 12/01/10 10:29	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
1,3-Dichloropropane	ND	ug/L	5.0	1		12/02/10 11:41	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/02/10 11:41	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/02/10 11:41	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/02/10 11:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/02/10 11:41	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/02/10 11:41	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/02/10 11:41	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		12/02/10 11:41	87-68-3	
n-Hexane	ND	ug/L	5.0	1		12/02/10 11:41	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		12/02/10 11:41	591-78-6	
Iodomethane	ND	ug/L	10.0	1		12/02/10 11:41	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		12/02/10 11:41	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		12/02/10 11:41	99-87-6	
Methylene chloride	ND	ug/L	5.0	1		12/02/10 11:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		12/02/10 11:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		12/02/10 11:41	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		12/02/10 11:41	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		12/02/10 11:41	103-65-1	
Styrene	ND	ug/L	5.0	1		12/02/10 11:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/02/10 11:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/02/10 11:41	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/02/10 11:41	127-18-4	
Toluene	ND	ug/L	5.0	1		12/02/10 11:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		12/02/10 11:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		12/02/10 11:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/02/10 11:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/02/10 11:41	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/02/10 11:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		12/02/10 11:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/02/10 11:41	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		12/02/10 11:41	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		12/02/10 11:41	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		12/02/10 11:41	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/02/10 11:41	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		12/02/10 11:41	1330-20-7	
Dibromofluoromethane (S)	101 %		80-123	1		12/02/10 11:41	1868-53-7	
4-Bromofluorobenzene (S)	106 %		70-126	1		12/02/10 11:41	460-00-4	
Toluene-d8 (S)	83 %		80-116	1		12/02/10 11:41	2037-26-5	

## ANALYTICAL RESULTS

Project: ENYART / PES 10-057

Pace Project No.: 5043907

<b>Sample:</b> ENYART GP-4	<b>Lab ID:</b> 5043907015	Collected: 11/30/10 14:30	Received: 12/01/10 10:29	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

### 8270 MSSV PAH by SIM

Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510

Benzo(a)anthracene	ND ug/L		0.11	1	12/02/10 10:30	12/02/10 22:42	56-55-3	
Benzo(a)pyrene	ND ug/L		0.11	1	12/02/10 10:30	12/02/10 22:42	50-32-8	
Benzo(b)fluoranthene	ND ug/L		0.11	1	12/02/10 10:30	12/02/10 22:42	205-99-2	
Benzo(k)fluoranthene	ND ug/L		0.11	1	12/02/10 10:30	12/02/10 22:42	207-08-9	
Chrysene	ND ug/L		0.53	1	12/02/10 10:30	12/02/10 22:42	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		0.11	1	12/02/10 10:30	12/02/10 22:42	53-70-3	
Indeno(1,2,3-cd)pyrene	ND ug/L		0.11	1	12/02/10 10:30	12/02/10 22:42	193-39-5	
Naphthalene	ND ug/L		1.1	1	12/02/10 10:30	12/02/10 22:42	91-20-3	
2-Fluorobiphenyl (S)	86 %		26-106	1	12/02/10 10:30	12/02/10 22:42	321-60-8	
Terphenyl-d14 (S)	71 %		16-111	1	12/02/10 10:30	12/02/10 22:42	1718-51-0	

### 8260 MSV

Analytical Method: EPA 8260

Acetone	ND ug/L		100	1		12/02/10 12:17	67-64-1	
Acrolein	ND ug/L		50.0	1		12/02/10 12:17	107-02-8	
Acrylonitrile	ND ug/L		100	1		12/02/10 12:17	107-13-1	
Benzene	ND ug/L		5.0	1		12/02/10 12:17	71-43-2	
Bromobenzene	ND ug/L		5.0	1		12/02/10 12:17	108-86-1	
Bromochloromethane	ND ug/L		5.0	1		12/02/10 12:17	74-97-5	
Bromodichloromethane	ND ug/L		5.0	1		12/02/10 12:17	75-27-4	
Bromoform	ND ug/L		5.0	1		12/02/10 12:17	75-25-2	
Bromomethane	ND ug/L		5.0	1		12/02/10 12:17	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		12/02/10 12:17	78-93-3	
n-Butylbenzene	ND ug/L		5.0	1		12/02/10 12:17	104-51-8	
sec-Butylbenzene	ND ug/L		5.0	1		12/02/10 12:17	135-98-8	
tert-Butylbenzene	ND ug/L		5.0	1		12/02/10 12:17	98-06-6	
Carbon disulfide	ND ug/L		10.0	1		12/02/10 12:17	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		12/02/10 12:17	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		12/02/10 12:17	108-90-7	
Chloroethane	ND ug/L		5.0	1		12/02/10 12:17	75-00-3	
Chloroform	ND ug/L		5.0	1		12/02/10 12:17	67-66-3	
Chloromethane	ND ug/L		5.0	1		12/02/10 12:17	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		12/02/10 12:17	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		12/02/10 12:17	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		12/02/10 12:17	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		12/02/10 12:17	106-93-4	
Dibromomethane	ND ug/L		5.0	1		12/02/10 12:17	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		12/02/10 12:17	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		12/02/10 12:17	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		12/02/10 12:17	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		12/02/10 12:17	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		12/02/10 12:17	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		12/02/10 12:17	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		12/02/10 12:17	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		12/02/10 12:17	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		12/02/10 12:17	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		12/02/10 12:17	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		12/02/10 12:17	78-87-5	

Date: 12/07/2010 01:55 PM

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: ENYART / PES 10-057

Pace Project No.: 5043907

Sample: ENYART GP-4		Lab ID: 5043907015	Collected: 11/30/10 14:30	Received: 12/01/10 10:29	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
1,3-Dichloropropane	ND	ug/L	5.0	1		12/02/10 12:17	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		12/02/10 12:17	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		12/02/10 12:17	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/02/10 12:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/02/10 12:17	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/02/10 12:17	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		12/02/10 12:17	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		12/02/10 12:17	87-68-3	
n-Hexane	ND	ug/L	5.0	1		12/02/10 12:17	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		12/02/10 12:17	591-78-6	
Iodomethane	ND	ug/L	10.0	1		12/02/10 12:17	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		12/02/10 12:17	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		12/02/10 12:17	99-87-6	
Methylene chloride	ND	ug/L	5.0	1		12/02/10 12:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		12/02/10 12:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		12/02/10 12:17	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		12/02/10 12:17	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		12/02/10 12:17	103-65-1	
Styrene	ND	ug/L	5.0	1		12/02/10 12:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		12/02/10 12:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/02/10 12:17	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/02/10 12:17	127-18-4	
Toluene	ND	ug/L	5.0	1		12/02/10 12:17	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		12/02/10 12:17	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		12/02/10 12:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/02/10 12:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/02/10 12:17	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/02/10 12:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		12/02/10 12:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		12/02/10 12:17	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		12/02/10 12:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		12/02/10 12:17	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		12/02/10 12:17	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		12/02/10 12:17	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		12/02/10 12:17	1330-20-7	
Dibromofluoromethane (S)	116	%	80-123	1		12/02/10 12:17	1868-53-7	
4-Bromofluorobenzene (S)	106	%	70-126	1		12/02/10 12:17	460-00-4	
Toluene-d8 (S)	80	%	80-116	1		12/02/10 12:17	2037-26-5	

### QUALITY CONTROL DATA

Project: ENYART / PES 10-057

Pace Project No.: 5043907

QC Batch: OEXT/22280 Analysis Method: EPA 8015 Mod Ext

QC Batch Method: EPA 3546 Analysis Description: EPA 8015 Modified

Associated Lab Samples: 5043907008, 5043907009, 5043907010, 5043907011

METHOD BLANK: 514124 Matrix: Solid

Associated Lab Samples: 5043907008, 5043907009, 5043907010, 5043907011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
High End Organics (C8-C34)	mg/kg	ND	10.0	12/02/10 09:35	
n-Pentacosane (S)	%	75	30-126	12/02/10 09:35	

LABORATORY CONTROL SAMPLE: 514125

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
High End Organics (C8-C34)	mg/kg	83.3	67.0	80	47-107	
n-Pentacosane (S)	%			83	30-126	

### QUALITY CONTROL DATA

Project: ENYART / PES 10-057

Pace Project No.: 5043907

QC Batch: OEXT/22284 Analysis Method: EPA 8270 by SIM  
 QC Batch Method: EPA 3546 Analysis Description: 8270 MSSV PAH by SIM  
 Associated Lab Samples: 5043907008, 5043907009, 5043907010, 5043907011

METHOD BLANK: 514137 Matrix: Solid  
 Associated Lab Samples: 5043907008, 5043907009, 5043907010, 5043907011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzo(a)anthracene	ug/kg	ND	25.0	12/02/10 11:17	
Benzo(a)pyrene	ug/kg	ND	25.0	12/02/10 11:17	
Benzo(b)fluoranthene	ug/kg	ND	25.0	12/02/10 11:17	
Benzo(k)fluoranthene	ug/kg	ND	25.0	12/02/10 11:17	
Chrysene	ug/kg	ND	25.0	12/02/10 11:17	
Dibenz(a,h)anthracene	ug/kg	ND	25.0	12/02/10 11:17	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	25.0	12/02/10 11:17	
Naphthalene	ug/kg	ND	25.0	12/02/10 11:17	
2-Fluorobiphenyl (S)	%	73	46-109	12/02/10 11:17	
Terphenyl-d14 (S)	%	76	43-107	12/02/10 11:17	

LABORATORY CONTROL SAMPLE: 514138

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzo(a)anthracene	ug/kg	1670	1190	71	52-122	
Benzo(a)pyrene	ug/kg	1670	1280	77	56-131	
Benzo(b)fluoranthene	ug/kg	1670	1210	73	54-125	
Benzo(k)fluoranthene	ug/kg	1670	1270	76	55-128	
Chrysene	ug/kg	1670	1250	75	56-118	
Dibenz(a,h)anthracene	ug/kg	1670	1320	79	56-125	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1330	80	56-124	
Naphthalene	ug/kg	1670	1140	68	52-112	
2-Fluorobiphenyl (S)	%			68	46-109	
Terphenyl-d14 (S)	%			75	43-107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 514139 514140

Parameter	Units	5043908002		514140		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Benzo(a)anthracene	ug/kg	ND	1930	1930	915	1000	47	52	36-105	9	20	
Benzo(a)pyrene	ug/kg	ND	1930	1930	969	1070	50	56	34-113	10	20	
Benzo(b)fluoranthene	ug/kg	ND	1930	1930	874	963	45	50	33-111	10	20	
Benzo(k)fluoranthene	ug/kg	ND	1930	1930	1010	1130	52	59	31-116	11	20	
Chrysene	ug/kg	ND	1930	1930	1030	1130	53	59	34-109	9	20	
Dibenz(a,h)anthracene	ug/kg	ND	1930	1930	980	1090	51	57	32-111	11	20	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	1930	1930	942	1040	49	54	27-113	10	20	
Naphthalene	ug/kg	ND	1930	1930	1120	1250	58	65	45-106	10	20	
2-Fluorobiphenyl (S)	%						52	60	46-109		20	
Terphenyl-d14 (S)	%						47	52	43-107		20	

### QUALITY CONTROL DATA

Project: ENYART / PES 10-057

Pace Project No.: 5043907

QC Batch: OEXT/22287      Analysis Method: EPA 8270 by SIM  
 QC Batch Method: EPA 3510      Analysis Description: 8270 Water PAH by SIM MSSV  
 Associated Lab Samples: 5043907012, 5043907013, 5043907014, 5043907015

METHOD BLANK: 514167      Matrix: Water  
 Associated Lab Samples: 5043907012, 5043907013, 5043907014, 5043907015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzo(a)anthracene	ug/L	ND	0.10	12/02/10 21:13	
Benzo(a)pyrene	ug/L	ND	0.10	12/02/10 21:13	
Benzo(b)fluoranthene	ug/L	ND	0.10	12/02/10 21:13	
Benzo(k)fluoranthene	ug/L	ND	0.10	12/02/10 21:13	
Chrysene	ug/L	ND	0.50	12/02/10 21:13	
Dibenz(a,h)anthracene	ug/L	ND	0.10	12/02/10 21:13	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	12/02/10 21:13	
Naphthalene	ug/L	ND	1.0	12/02/10 21:13	
2-Fluorobiphenyl (S)	%	71	26-106	12/02/10 21:13	
Terphenyl-d14 (S)	%	88	16-111	12/02/10 21:13	

LABORATORY CONTROL SAMPLE: 514168

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzo(a)anthracene	ug/L	10	9.6	96	51-119	
Benzo(a)pyrene	ug/L	10	10.2	102	52-124	
Benzo(b)fluoranthene	ug/L	10	9.5	95	51-122	
Benzo(k)fluoranthene	ug/L	10	9.3	93	53-123	
Chrysene	ug/L	10	9.2	92	54-118	
Dibenz(a,h)anthracene	ug/L	10	9.1	91	49-114	
Indeno(1,2,3-cd)pyrene	ug/L	10	9.2	92	49-114	
Naphthalene	ug/L	10	6.4	64	27-103	
2-Fluorobiphenyl (S)	%			79	26-106	
Terphenyl-d14 (S)	%			90	16-111	

### QUALITY CONTROL DATA

Project: ENYART / PES 10-057

Pace Project No.: 5043907

QC Batch: MSV/28679 Analysis Method: EPA 8260  
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
 Associated Lab Samples: 5043907012, 5043907013, 5043907014, 5043907015

METHOD BLANK: 514850 Matrix: Water  
 Associated Lab Samples: 5043907012, 5043907013, 5043907014, 5043907015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	12/02/10 08:49	
1,1,1-Trichloroethane	ug/L	ND	5.0	12/02/10 08:49	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	12/02/10 08:49	
1,1,2-Trichloroethane	ug/L	ND	5.0	12/02/10 08:49	
1,1-Dichloroethane	ug/L	ND	5.0	12/02/10 08:49	
1,1-Dichloroethene	ug/L	ND	5.0	12/02/10 08:49	
1,1-Dichloropropene	ug/L	ND	5.0	12/02/10 08:49	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	12/02/10 08:49	
1,2,3-Trichloropropane	ug/L	ND	5.0	12/02/10 08:49	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	12/02/10 08:49	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	12/02/10 08:49	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	12/02/10 08:49	
1,2-Dichlorobenzene	ug/L	ND	5.0	12/02/10 08:49	
1,2-Dichloroethane	ug/L	ND	5.0	12/02/10 08:49	
1,2-Dichloropropane	ug/L	ND	5.0	12/02/10 08:49	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	12/02/10 08:49	
1,3-Dichlorobenzene	ug/L	ND	5.0	12/02/10 08:49	
1,3-Dichloropropane	ug/L	ND	5.0	12/02/10 08:49	
1,4-Dichlorobenzene	ug/L	ND	5.0	12/02/10 08:49	
2,2-Dichloropropane	ug/L	ND	5.0	12/02/10 08:49	
2-Butanone (MEK)	ug/L	ND	25.0	12/02/10 08:49	
2-Chlorotoluene	ug/L	ND	5.0	12/02/10 08:49	
2-Hexanone	ug/L	ND	25.0	12/02/10 08:49	
4-Chlorotoluene	ug/L	ND	5.0	12/02/10 08:49	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	12/02/10 08:49	
Acetone	ug/L	ND	100	12/02/10 08:49	
Acrolein	ug/L	ND	50.0	12/02/10 08:49	
Acrylonitrile	ug/L	ND	100	12/02/10 08:49	
Benzene	ug/L	ND	5.0	12/02/10 08:49	
Bromobenzene	ug/L	ND	5.0	12/02/10 08:49	
Bromochloromethane	ug/L	ND	5.0	12/02/10 08:49	
Bromodichloromethane	ug/L	ND	5.0	12/02/10 08:49	
Bromoform	ug/L	ND	5.0	12/02/10 08:49	
Bromomethane	ug/L	ND	5.0	12/02/10 08:49	
Carbon disulfide	ug/L	ND	10.0	12/02/10 08:49	
Carbon tetrachloride	ug/L	ND	5.0	12/02/10 08:49	
Chlorobenzene	ug/L	ND	5.0	12/02/10 08:49	
Chloroethane	ug/L	ND	5.0	12/02/10 08:49	
Chloroform	ug/L	ND	5.0	12/02/10 08:49	
Chloromethane	ug/L	ND	5.0	12/02/10 08:49	
cis-1,2-Dichloroethene	ug/L	ND	5.0	12/02/10 08:49	
cis-1,3-Dichloropropene	ug/L	ND	5.0	12/02/10 08:49	
Dibromochloromethane	ug/L	ND	5.0	12/02/10 08:49	

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### QUALITY CONTROL DATA

Project: ENYART / PES 10-057

Project No.: 5043907

METHOD BLANK: 514850

Matrix: Water

Associated Lab Samples: 5043907012, 5043907013, 5043907014, 5043907015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	ND	5.0	12/02/10 08:49	
Dichlorodifluoromethane	ug/L	ND	5.0	12/02/10 08:49	
Ethyl methacrylate	ug/L	ND	100	12/02/10 08:49	
Ethylbenzene	ug/L	ND	5.0	12/02/10 08:49	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	12/02/10 08:49	
Iodomethane	ug/L	ND	10.0	12/02/10 08:49	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	12/02/10 08:49	
Methyl-tert-butyl ether	ug/L	ND	4.0	12/02/10 08:49	
Methylene chloride	ug/L	ND	5.0	12/02/10 08:49	
n-Butylbenzene	ug/L	ND	5.0	12/02/10 08:49	
n-Hexane	ug/L	ND	5.0	12/02/10 08:49	
n-Propylbenzene	ug/L	ND	5.0	12/02/10 08:49	
Naphthalene	ug/L	ND	5.0	12/02/10 08:49	
p-Isopropyltoluene	ug/L	ND	5.0	12/02/10 08:49	
sec-Butylbenzene	ug/L	ND	5.0	12/02/10 08:49	
Styrene	ug/L	ND	5.0	12/02/10 08:49	
tert-Butylbenzene	ug/L	ND	5.0	12/02/10 08:49	
Tetrachloroethene	ug/L	ND	5.0	12/02/10 08:49	
Toluene	ug/L	ND	5.0	12/02/10 08:49	
trans-1,2-Dichloroethene	ug/L	ND	5.0	12/02/10 08:49	
trans-1,3-Dichloropropene	ug/L	ND	5.0	12/02/10 08:49	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	12/02/10 08:49	
Trichloroethene	ug/L	ND	5.0	12/02/10 08:49	
Trichlorofluoromethane	ug/L	ND	5.0	12/02/10 08:49	
Vinyl acetate	ug/L	ND	10.0	12/02/10 08:49	
Vinyl chloride	ug/L	ND	2.0	12/02/10 08:49	
Xylene (Total)	ug/L	ND	10.0	12/02/10 08:49	
4-Bromofluorobenzene (S)	%	104	70-126	12/02/10 08:49	
Dibromofluoromethane (S)	%	94	80-123	12/02/10 08:49	
Toluene-d8 (S)	%	80	80-116	12/02/10 08:49	

LABORATORY CONTROL SAMPLE: 514851

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.6	101	69-130	
1,1,1-Trichloroethane	ug/L	50	55.4	111	69-136	
1,1,2,2-Tetrachloroethane	ug/L	50	45.3	91	69-131	
1,1,2-Trichloroethane	ug/L	50	42.1	84	77-132	
1,1-Dichloroethane	ug/L	50	53.4	107	67-133	
1,1-Dichloroethene	ug/L	50	59.7	119	63-128	
1,1-Dichloropropene	ug/L	50	60.1	120	75-134	
1,2,3-Trichlorobenzene	ug/L	50	58.8	118	58-131	
1,2,3-Trichloropropane	ug/L	100	81.4	81	60-131	
1,2,4-Trichlorobenzene	ug/L	50	58.3	117	60-130	
1,2,4-Trimethylbenzene	ug/L	50	52.8	106	73-130	

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### QUALITY CONTROL DATA

Project: ENYART / PES 10-057

Pace Project No.: 5043907

LABORATORY CONTROL SAMPLE: 514851

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	51.9	104	75-126	
1,2-Dichlorobenzene	ug/L	50	55.4	111	76-124	
1,2-Dichloroethane	ug/L	50	53.0	106	69-139	
1,2-Dichloropropane	ug/L	50	53.2	106	76-129	
1,3,5-Trimethylbenzene	ug/L	50	53.1	106	74-130	
1,3-Dichlorobenzene	ug/L	50	53.9	108	76-125	
1,3-Dichloropropane	ug/L	50	46.5	93	74-126	
1,4-Dichlorobenzene	ug/L	50	52.2	104	75-122	
2,2-Dichloropropane	ug/L	50	59.6	119	53-144	
2-Butanone (MEK)	ug/L	250	436	175	47-189	
2-Chlorotoluene	ug/L	50	50.3	101	72-128	
2-Hexanone	ug/L	250	308	123	57-167	
4-Chlorotoluene	ug/L	50	53.6	107	73-124	
4-Methyl-2-pentanone (MIBK)	ug/L	250	191	76	61-135	
Acetone	ug/L	250	688	275	30-170	L3
Acrolein	ug/L	1000	1760	176	30-170	L3
Acrylonitrile	ug/L	1000	1000	100	67-136	
Benzene	ug/L	50	50.9	102	78-127	
Bromobenzene	ug/L	50	58.6	117	62-139	
Bromochloromethane	ug/L	50	50.0	100	54-162	
Bromodichloromethane	ug/L	50	51.8	104	69-133	
Bromoform	ug/L	50	45.6	91	60-127	
Bromomethane	ug/L	50	35.7	71	30-170	
Carbon disulfide	ug/L	100	98.3	98	58-152	
Carbon tetrachloride	ug/L	50	59.8	120	62-143	
Chlorobenzene	ug/L	50	53.2	106	75-123	
Chloroethane	ug/L	50	51.8	104	56-153	
Chloroform	ug/L	50	51.8	104	74-131	
Chloromethane	ug/L	50	35.9	72	35-147	
cis-1,2-Dichloroethene	ug/L	50	54.8	110	74-128	
cis-1,3-Dichloropropene	ug/L	50	42.1	84	58-123	
Dibromochloromethane	ug/L	50	47.8	96	66-131	
Dibromomethane	ug/L	50	58.2	116	73-133	
Dichlorodifluoromethane	ug/L	50	47.5	95	30-170	
Ethyl methacrylate	ug/L	200	154	77	59-138	
Ethylbenzene	ug/L	50	54.2	108	81-126	
Hexachloro-1,3-butadiene	ug/L	50	59.3	119	70-130	
Iodomethane	ug/L	100	85.8	86	41-170	
Isopropylbenzene (Cumene)	ug/L	50	53.0	106	80-130	
Methyl-tert-butyl ether	ug/L	100	110	110	66-147	
Methylene chloride	ug/L	50	51.5	103	32-164	
n-Butylbenzene	ug/L	50	53.7	107	68-135	
n-Hexane	ug/L	50	49.3	99	69-157	
n-Propylbenzene	ug/L	50	48.9	98	71-132	
Naphthalene	ug/L	50	58.5	117	61-135	
p-Isopropyltoluene	ug/L	50	55.5	111	66-131	
sec-Butylbenzene	ug/L	50	54.6	109	73-130	
Styrene	ug/L	50	56.2	112	74-128	

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### QUALITY CONTROL DATA

Project: ENYART / PES 10-057

Pace Project No.: 5043907

LABORATORY CONTROL SAMPLE: 514851

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	52.1	104	63-117	
Tetrachloroethene	ug/L	50	51.0	102	60-119	
Toluene	ug/L	50	45.7	91	75-129	
trans-1,2-Dichloroethene	ug/L	50	57.4	115	71-126	
trans-1,3-Dichloropropene	ug/L	50	40.2	80	54-123	
trans-1,4-Dichloro-2-butene	ug/L	200	170	85	47-141	
Trichloroethene	ug/L	50	59.6	119	74-130	
Trichlorofluoromethane	ug/L	50	54.9	110	62-150	
Vinyl acetate	ug/L	200	286	143	41-145	
Vinyl chloride	ug/L	50	49.2	98	55-141	
Xylene (Total)	ug/L	150	166	110	76-132	
4-Bromofluorobenzene (S)	%			104	70-126	
Dibromofluoromethane (S)	%			97	80-123	
Toluene-d8 (S)	%			84	80-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 514852

514853

Parameter	Units	5043907015		MS	MSD	514853		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	MS Result	MSD Result							
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	49.0	53.9	98	108	55-131	9	20			
1,1,1-Trichloroethane	ug/L	ND	50	50	64.1	62.0	128	124	64-143	3	20			
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	47.9	45.4	96	91	64-142	5	20			
1,1,2-Trichloroethane	ug/L	ND	50	50	43.3	42.0	87	84	71-143	3	20			
1,1-Dichloroethane	ug/L	ND	50	50	55.5	55.0	111	110	68-139	1	20			
1,1-Dichloroethene	ug/L	ND	50	50	61.2	60.0	122	120	55-140	2	20			
1,1-Dichloropropene	ug/L	ND	50	50	61.2	61.2	122	122	66-140	.07	20			
1,2,3-Trichlorobenzene	ug/L	ND	50	50	60.9	58.1	122	116	33-140	5	20			
1,2,3-Trichloropropane	ug/L	ND	100	100	82.9	79.6	83	80	58-133	4	20			
1,2,4-Trichlorobenzene	ug/L	ND	50	50	58.4	55.5	117	111	28-140	5	20			
1,2,4-Trimethylbenzene	ug/L	ND	50	50	56.1	51.1	112	102	39-146	9	20			
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	46.8	52.7	94	105	67-134	12	20			
1,2-Dichlorobenzene	ug/L	ND	50	50	59.7	54.4	119	109	48-137	9	20			
1,2-Dichloroethane	ug/L	ND	50	50	57.0	58.4	114	117	63-148	2	20			
1,2-Dichloropropane	ug/L	ND	50	50	55.0	52.7	110	105	70-136	4	20			
1,3,5-Trimethylbenzene	ug/L	ND	50	50	55.8	51.8	112	104	39-145	7	20			
1,3-Dichlorobenzene	ug/L	ND	50	50	58.0	55.1	116	110	40-143	5	20			
1,3-Dichloropropane	ug/L	ND	50	50	45.6	46.8	91	94	65-133	3	20			
1,4-Dichlorobenzene	ug/L	ND	50	50	55.3	53.8	111	108	38-142	3	20			
2,2-Dichloropropane	ug/L	ND	50	50	65.5	64.0	131	128	35-157	2	20			
2-Butanone (MEK)	ug/L	ND	250	250	260	251	104	101	62-132	3	20			
2-Chlorotoluene	ug/L	ND	50	50	54.5	50.5	109	101	44-143	8	20			
2-Hexanone	ug/L	ND	250	250	187	194	75	77	61-141	4	20			
4-Chlorotoluene	ug/L	ND	50	50	59.6	55.2	119	110	43-140	8	20			
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	165	171	66	68	57-135	4	20			
Acetone	ug/L	ND	250	250	249	266	100	106	30-170	6	20			
Acrolein	ug/L	ND	1000	1000	1410	1370	141	137	30-170	3	20			
Acrylonitrile	ug/L	ND	1000	1000	975	981	98	98	66-137	.6	20			

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: ENYART / PES 10-057

Pace Project No.: 5043907

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 514852 514853												
Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
		5043907015 Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
Benzene	ug/L	ND	50	50	53.0	55.5	106	111	63-141	5	20	
Bromobenzene	ug/L	ND	50	50	56.9	60.0	114	120	57-128	5	20	
Bromochloromethane	ug/L	ND	50	50	57.9	54.6	116	109	65-157	6	20	
Bromodichloromethane	ug/L	ND	50	50	53.9	55.2	108	110	63-135	2	20	
Bromoform	ug/L	ND	50	50	45.7	44.8	91	90	58-124	2	20	
Bromomethane	ug/L	ND	50	50	37.2	45.5	74	91	30-170	20	20	
Carbon disulfide	ug/L	ND	100	100	105	103	105	103	46-162	2	20	
Carbon tetrachloride	ug/L	ND	50	50	60.0	61.8	120	124	54-145	3	20	
Chlorobenzene	ug/L	ND	50	50	54.0	55.1	108	110	56-133	2	20	
Chloroethane	ug/L	ND	50	50	55.5	57.1	111	114	54-157	3	20	
Chloroform	ug/L	ND	50	50	58.7	56.2	117	112	67-134	4	20	
Chloromethane	ug/L	ND	50	50	38.4	37.7	77	75	36-137	2	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	61.1	60.4	122	121	65-132	1	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	39.7	41.1	79	82	46-121	3	20	
Dibromochloromethane	ug/L	ND	50	50	42.7	47.3	85	95	64-124	10	20	
Dibromomethane	ug/L	ND	50	50	60.9	63.1	122	126	67-144	4	20	
Dichlorodifluoromethane	ug/L	ND	50	50	50.4	51.0	101	102	30-163	1	20	
Ethyl methacrylate	ug/L	ND	200	200	150	159	75	80	52-140	6	20	
Ethylbenzene	ug/L	ND	50	50	52.7	58.6	105	117	44-151	11	20	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	62.3	58.4	125	117	30-145	6	20	
Iodomethane	ug/L	ND	100	100	93.9	91.1	94	91	28-168	3	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	53.2	55.5	106	111	40-148	4	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	112	114	112	114	52-156	2	20	
Methylene chloride	ug/L	ND	50	50	53.3	53.1	107	106	46-154	.3	20	
n-Butylbenzene	ug/L	ND	50	50	57.2	52.9	114	106	27-153	8	20	
n-Hexane	ug/L	ND	50	50	52.2	51.4	104	103	32-176	1	20	
n-Propylbenzene	ug/L	ND	50	50	51.8	47.9	104	96	40-148	8	20	
Naphthalene	ug/L	ND	50	50	58.6	57.0	117	114	44-138	3	20	
p-Isopropyltoluene	ug/L	ND	50	50	59.1	55.9	118	112	34-146	6	20	
sec-Butylbenzene	ug/L	ND	50	50	58.7	54.4	116	108	38-150	8	20	
Styrene	ug/L	ND	50	50	53.2	57.0	106	114	38-141	7	20	
tert-Butylbenzene	ug/L	ND	50	50	55.1	49.8	110	100	32-133	10	20	
Tetrachloroethene	ug/L	ND	50	50	48.3	51.6	97	103	25-146	7	20	
Toluene	ug/L	ND	50	50	43.7	46.4	87	92	59-142	6	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	57.4	57.6	115	115	60-137	.4	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	38.8	40.1	78	80	43-117	3	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	157	158	78	79	44-139	.6	20	
Trichloroethene	ug/L	ND	50	50	62.9	61.5	126	123	61-137	2	20	
Trichlorofluoromethane	ug/L	ND	50	50	61.1	60.0	122	120	53-162	2	20	
Vinyl acetate	ug/L	ND	200	200	289	280	145	140	24-132	3	20	MO
Vinyl chloride	ug/L	ND	50	50	51.8	49.3	104	99	51-144	5	20	
Xylene (Total)	ug/L	ND	150	150	161	164	108	109	44-152	2	20	
4-Bromofluorobenzene (S)	%						95	104	70-126		20	
Dibromofluoromethane (S)	%						104	105	80-123		20	
Toluene-d8 (S)	%						78	83	80-116		20	SO

### QUALITY CONTROL DATA

Project: ENYART / PES 10-057

Pace Project No.: 5043907

QC Batch: MSV/28680 Analysis Method: EPA 8260  
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics  
 Associated Lab Samples: 5043907008, 5043907009, 5043907010, 5043907011

METHOD BLANK: 514868 Matrix: Solid  
 Associated Lab Samples: 5043907008, 5043907009, 5043907010, 5043907011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	12/02/10 08:49	
1,1,1-Trichloroethane	ug/kg	ND	5.0	12/02/10 08:49	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	12/02/10 08:49	
1,1,2-Trichloroethane	ug/kg	ND	5.0	12/02/10 08:49	
1,1-Dichloroethane	ug/kg	ND	5.0	12/02/10 08:49	
1,1-Dichloroethene	ug/kg	ND	5.0	12/02/10 08:49	
1,1-Dichloropropene	ug/kg	ND	5.0	12/02/10 08:49	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	12/02/10 08:49	
1,2,3-Trichloropropane	ug/kg	ND	5.0	12/02/10 08:49	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	12/02/10 08:49	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	12/02/10 08:49	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	12/02/10 08:49	
1,2-Dichlorobenzene	ug/kg	ND	5.0	12/02/10 08:49	
1,2-Dichloroethane	ug/kg	ND	5.0	12/02/10 08:49	
1,2-Dichloropropane	ug/kg	ND	5.0	12/02/10 08:49	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	12/02/10 08:49	
1,3-Dichlorobenzene	ug/kg	ND	5.0	12/02/10 08:49	
1,3-Dichloropropane	ug/kg	ND	5.0	12/02/10 08:49	
1,4-Dichlorobenzene	ug/kg	ND	5.0	12/02/10 08:49	
2,2-Dichloropropane	ug/kg	ND	5.0	12/02/10 08:49	
2-Butanone (MEK)	ug/kg	ND	25.0	12/02/10 08:49	
2-Chlorotoluene	ug/kg	ND	5.0	12/02/10 08:49	
2-Hexanone	ug/kg	ND	100	12/02/10 08:49	
4-Chlorotoluene	ug/kg	ND	5.0	12/02/10 08:49	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	12/02/10 08:49	
Acetone	ug/kg	ND	100	12/02/10 08:49	
Acrolein	ug/kg	ND	100	12/02/10 08:49	
Acrylonitrile	ug/kg	ND	100	12/02/10 08:49	
Benzene	ug/kg	ND	5.0	12/02/10 08:49	
Bromobenzene	ug/kg	ND	5.0	12/02/10 08:49	
Bromochloromethane	ug/kg	ND	5.0	12/02/10 08:49	
Bromodichloromethane	ug/kg	ND	5.0	12/02/10 08:49	
Bromoform	ug/kg	ND	5.0	12/02/10 08:49	
Bromomethane	ug/kg	ND	5.0	12/02/10 08:49	
Carbon disulfide	ug/kg	ND	10.0	12/02/10 08:49	
Carbon tetrachloride	ug/kg	ND	5.0	12/02/10 08:49	
Chlorobenzene	ug/kg	ND	5.0	12/02/10 08:49	
Chloroethane	ug/kg	ND	5.0	12/02/10 08:49	
Chloroform	ug/kg	ND	5.0	12/02/10 08:49	
Chloromethane	ug/kg	ND	5.0	12/02/10 08:49	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	12/02/10 08:49	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	12/02/10 08:49	
Dibromochloromethane	ug/kg	ND	5.0	12/02/10 08:49	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: ENYART / PES 10-057

Project No.: 5043907

METHOD BLANK: 514868

Matrix: Solid

Associated Lab Samples: 5043907008, 5043907009, 5043907010, 5043907011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	5.0	12/02/10 08:49	
Dichlorodifluoromethane	ug/kg	ND	5.0	12/02/10 08:49	
Ethyl methacrylate	ug/kg	ND	10.0	12/02/10 08:49	
Ethylbenzene	ug/kg	ND	5.0	12/02/10 08:49	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	12/02/10 08:49	
Iodomethane	ug/kg	ND	100	12/02/10 08:49	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	12/02/10 08:49	
Methyl-tert-butyl ether	ug/kg	ND	5.0	12/02/10 08:49	
Methylene chloride	ug/kg	ND	20.0	12/02/10 08:49	
n-Butylbenzene	ug/kg	ND	5.0	12/02/10 08:49	
n-Hexane	ug/kg	ND	5.0	12/02/10 08:49	
n-Propylbenzene	ug/kg	ND	5.0	12/02/10 08:49	
Naphthalene	ug/kg	ND	5.0	12/02/10 08:49	
p-Isopropyltoluene	ug/kg	ND	5.0	12/02/10 08:49	
sec-Butylbenzene	ug/kg	ND	5.0	12/02/10 08:49	
Styrene	ug/kg	ND	5.0	12/02/10 08:49	
tert-Butylbenzene	ug/kg	ND	5.0	12/02/10 08:49	
Tetrachloroethene	ug/kg	ND	5.0	12/02/10 08:49	
Toluene	ug/kg	ND	5.0	12/02/10 08:49	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	12/02/10 08:49	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	12/02/10 08:49	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	12/02/10 08:49	
Trichloroethene	ug/kg	ND	5.0	12/02/10 08:49	
Trichlorofluoromethane	ug/kg	ND	5.0	12/02/10 08:49	
Vinyl acetate	ug/kg	ND	100	12/02/10 08:49	
Vinyl chloride	ug/kg	ND	5.0	12/02/10 08:49	
Xylene (Total)	ug/kg	ND	10.0	12/02/10 08:49	
4-Bromofluorobenzene (S)	%	104	61-131	12/02/10 08:49	
Dibromofluoromethane (S)	%	94	80-124	12/02/10 08:49	
Toluene-d8 (S)	%	80	58-145	12/02/10 08:49	

LABORATORY CONTROL SAMPLE: 514869

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	50.6	101	65-124	
1,1,1-Trichloroethane	ug/kg	50	55.4	111	61-135	
1,1,2,2-Tetrachloroethane	ug/kg	50	45.3	91	66-124	
1,1,2-Trichloroethane	ug/kg	50	42.1	84	74-127	
1,1-Dichloroethane	ug/kg	50	53.4	107	62-132	
1,1-Dichloroethene	ug/kg	50	59.7	119	61-123	
1,1-Dichloropropene	ug/kg	50	60.1	120	74-128	
1,2,3-Trichlorobenzene	ug/kg	50	58.8	118	60-125	
1,2,3-Trichloropropane	ug/kg	100	81.4	81	61-120	
1,2,4-Trichlorobenzene	ug/kg	50	58.3	117	58-126	
1,2,4-Trimethylbenzene	ug/kg	50	52.8	106	72-120	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: ENYART / PES 10-057

Pace Project No.: 5043907

LABORATORY CONTROL SAMPLE: 514869

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	50	51.9	104	74-119	
1,2-Dichlorobenzene	ug/kg	50	55.4	111	75-117	
1,2-Dichloroethane	ug/kg	50	53.0	106	62-135	
1,2-Dichloropropane	ug/kg	50	53.2	106	74-124	
1,3,5-Trimethylbenzene	ug/kg	50	53.1	106	73-122	
1,3-Dichlorobenzene	ug/kg	50	53.9	108	73-120	
1,3-Dichloropropane	ug/kg	50	46.5	93	71-122	
1,4-Dichlorobenzene	ug/kg	50	52.2	104	72-118	
2,2-Dichloropropane	ug/kg	50	59.6	119	53-136	
2-Butanone (MEK)	ug/kg	250	436	175	33-190	
2-Chlorotoluene	ug/kg	50	50.3	101	72-122	
2-Hexanone	ug/kg	250	308	123	44-168	
4-Chlorotoluene	ug/kg	50	53.6	107	72-120	
4-Methyl-2-pentanone (MIBK)	ug/kg	250	191	76	58-126	
Acetone	ug/kg	250	688	275	30-190 L3	
Acrolein	ug/kg	1000	1760	176	30-190	
Acrylonitrile	ug/kg	1000	1000	100	65-129	
Benzene	ug/kg	50	50.9	102	76-123	
Bromobenzene	ug/kg	50	58.6	117	74-116	
Bromochloromethane	ug/kg	50	50.0	100	56-143	
Bromodichloromethane	ug/kg	50	51.8	104	67-123	
Bromoform	ug/kg	50	45.6	91	58-117	
Bromomethane	ug/kg	50	35.7	71	47-147	
Carbon disulfide	ug/kg	100	98.3	98	56-141	
Carbon tetrachloride	ug/kg	50	59.8	120	54-136	
Chlorobenzene	ug/kg	50	53.2	106	75-115	
Chloroethane	ug/kg	50	51.8	104	57-147	
Chloroform	ug/kg	50	51.8	104	74-123	
Chloromethane	ug/kg	50	35.9	72	31-155	
cis-1,2-Dichloroethene	ug/kg	50	54.8	110	76-119	
cis-1,3-Dichloropropene	ug/kg	50	42.1	84	56-110	
Dibromochloromethane	ug/kg	50	47.8	96	63-122	
Dibromomethane	ug/kg	50	58.2	116	70-127	
Dichlorodifluoromethane	ug/kg	50	47.5	95	30-170	
Ethyl methacrylate	ug/kg	200	154	77	58-126	
Ethylbenzene	ug/kg	50	54.2	108	78-121	
Hexachloro-1,3-butadiene	ug/kg	50	59.3	119	65-128	
Iodomethane	ug/kg	100	85.8J	86	38-173	
Isopropylbenzene (Cumene)	ug/kg	50	53.0	106	75-128	
Methyl-tert-butyl ether	ug/kg	100	110	110	59-142	
Methylene chloride	ug/kg	50	51.5	103	30-170	
n-Butylbenzene	ug/kg	50	53.7	107	70-123	
n-Hexane	ug/kg	50	49.3	99	76-143	
n-Propylbenzene	ug/kg	50	48.9	98	70-126	
Naphthalene	ug/kg	50	58.5	117	60-128	
p-Isopropyltoluene	ug/kg	50	55.5	111	65-125	
sec-Butylbenzene	ug/kg	50	54.6	109	72-125	
Styrene	ug/kg	50	56.2	112	75-118	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: ENYART / PES 10-057

Pace Project No.: 5043907

LABORATORY CONTROL SAMPLE: 514869

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/kg	50	52.1	104	61-114	
Tetrachloroethene	ug/kg	50	51.0	102	63-117	
Toluene	ug/kg	50	45.7	91	72-123	
trans-1,2-Dichloroethene	ug/kg	50	57.4	115	70-122	
trans-1,3-Dichloropropene	ug/kg	50	40.2	80	55-107	
trans-1,4-Dichloro-2-butene	ug/kg	200	170	85	49-127	
Trichloroethene	ug/kg	50	59.6	119	74-121	
Trichlorofluoromethane	ug/kg	50	54.9	110	55-156	
Vinyl acetate	ug/kg	200	286	143	46-127	L3
Vinyl chloride	ug/kg	50	49.2	98	50-146	
Xylene (Total)	ug/kg	150	166	110	77-120	
4-Bromofluorobenzene (S)	%			104	61-131	
Dibromofluoromethane (S)	%			97	80-124	
Toluene-d8 (S)	%			84	58-145	

### QUALITY CONTROL DATA

Project: ENYART / PES 10-057

Pace Project No.: 5043907

QC Batch: PMST/5372

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 5043907008, 5043907009, 5043907010, 5043907011

SAMPLE DUPLICATE: 514466

Parameter	Units	5043735001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.9	14.5	4	5	

SAMPLE DUPLICATE: 514467

Parameter	Units	5043927006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.5	16.0	10	5	R2



## QUALIFIERS

Project: ENYART / PES 10-057

Pace Project No.: 5043907

### 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.

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

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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

### ANALYTE QUALIFIERS

- 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.
- R2 RPD value was outside control limits due to matrix interference
- S0 Surrogate recovery outside laboratory control limits.



# CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 2  
1444685

**Section A**  
 Required Client Information:  
 Company: PHIFER ENV-SVCS  
 Address: 2502 LINCINN WAY WEST  
 MISHAWAKA IN 46544  
 Email To: CONLEY@PHIFERENV.COM  
 Phone: 574-908-7191  
 Requested Due Date/TAT: 1-WK

**Section B**  
 Required Project Information:  
 Report To: Conley Phifer  
 Copy To:  
 Purchase Order No.:  
 Project Name: ENYART  
 Project Number: PES 10-057

**Section C**  
 Invoice Information:  
 Attention: SAME  
 Company Name:  
 Address:  
 Pace Quote Reference:  
 Pace Project Manager:  
 Pace Profile #:

**REGULATORY AGENCY**  
 NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER *RIZZ*

**Site Location**  
 STATE: IN

ITEM #	Section D Required Client Information	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test ↑ V/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
				COMPOSITE START	COMPOSITE END/GRAB											
1	ENYART GP-1 (12-14)	SLG	G	11/30	9:05						5	Unpreserved	VOCs TPH-ERO C PAHS			HOLD 001
2	ENYART GP-1 (18-20)	SLG	G		9:15						5	Unpreserved				HOLD 2
3	ENYART GP-1 (23-25)	SLG	G		9:20						5	Unpreserved				HOLD 7
4	ENYART GP-1 (26-28)	SLG	G		9:30						5	Unpreserved	XXX			HOLD 8
5	ENYART GP-2 (18-20)	SLG	G		11:05						5	Unpreserved				HOLD 4
6	ENYART GP-2 (23-25)	SLG	G		11:10						5	Unpreserved	XXX			HOLD 5
7	ENYART GP-2 (27-29)	SLG	G		11:20						5	Unpreserved				HOLD 6
8	ENYART GP-3 (16-18)	SLG	G		12:05						5	Unpreserved				HOLD 7
9	ENYART GP-3 (23-25)	SLG	G		12:35						5	Unpreserved	XXX			HOLD 10
10	ENYART GP-3 (26-28)	SLG	G		12:45						5	Unpreserved	XXX			HOLD 11
11	ENYART GP-4 (8-10)	SLG	G		1:50						5	Unpreserved				

**ADDITIONAL COMMENTS**  
 Conley Phifer / PES 11/30 17:30  
 Accepted by Affiliation: Conley Phifer  
 Date: 12/10/10  
 Time: 10:29  
 Temp in °C: 23.4  
 2.8°C  
 2.5°C

**SAMPLER NAME AND SIGNATURE**  
 PRINT Name of SAMPLER: Conley Phifer  
 SIGNATURE of SAMPLER: [Signature]  
 DATE Signed (MM/DD/YYYY): 11/30/10

**Temp in °C**  
 Received on Ice (Y/N)  
 Custody Sealed Cooler (Y/N)  
 Samples Intact (Y/N)

W/ Rec'd  
 6709 2303 11 ORIGINAL



**Sample Condition Upon Receipt**

Face Analytical

Client Name: Phifer

Project # 5043907

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

Tracking #: 8109 2303 1117

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

Packing Material:  Bubble Wrap  Bubble Bags  None  Other 0291

Thermometer Used 12346ABCDE Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

Cooler Temperature 2.3°C, 2.8°C, 2.5°C Ice Visible in Sample Containers:  yes  no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 12/11/10 BV

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	5. <u>Terra Core. BV</u>
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
All containers needing preservation have been pH checked? exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	10.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<b>Project Manager Review</b>		
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
Sufficient Volume:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Correct Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: Broke 1 vial of GP-1 while unpacking samples - BV 12/11/10.

Project Manager Review: N

Date: 12/11/10



Sample Container Count



CLIENT: Phifer  
 DOC PAGE 2 of 2  
 DOC ID# 1444688

Project # \_\_\_\_\_

Sample Line Item	DG9H	AG1U	WGUFU	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1	2	2											
2	3	2											broken 1 vial white unpeeling sample by
3	3	2											
4	3	2											
5													
6													
7													
8													
9													
10													
11													
12													

Container Codes		AF	Air Filter	BP1N	BP1S	BP1U	BP1Z	BP2A	BP2C	BP2Z	BP3A	BP3C	BP3Z	C	DG9B	DG9M	DG9P	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
DG9H	40mL HCL amber vial	AG1H	1 liter HCL amber glass	BP1N	BP1S	BP1U	BP1Z	BP2A	BP2C	BP2Z	BP3A	BP3C	BP3Z	C	DG9B	DG9M	DG9P	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
AG1U	1 liter unpreserved amber glass	AG1S	1 liter H2SO4 amber glass	BP1N	BP1S	BP1U	BP1Z	BP2A	BP2C	BP2Z	BP3A	BP3C	BP3Z	C	DG9B	DG9M	DG9P	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
WGUFU	4oz clear soil jar	AG1T	1 liter Na Thiosulfate amber gl	BP1N	BP1S	BP1U	BP1Z	BP2A	BP2C	BP2Z	BP3A	BP3C	BP3Z	C	DG9B	DG9M	DG9P	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
R	terra core kit	AG2N	500mL HNO3 amber glass	BP1N	BP1S	BP1U	BP1Z	BP2A	BP2C	BP2Z	BP3A	BP3C	BP3Z	C	DG9B	DG9M	DG9P	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
BP2N	500mL HNO3 plastic	AG2S	500mL H2SO4 amber glass	BP1N	BP1S	BP1U	BP1Z	BP2A	BP2C	BP2Z	BP3A	BP3C	BP3Z	C	DG9B	DG9M	DG9P	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
BP2U	500mL unpreserved plastic	AG2U	500mL unpreserved amber gla	BP1N	BP1S	BP1U	BP1Z	BP2A	BP2C	BP2Z	BP3A	BP3C	BP3Z	C	DG9B	DG9M	DG9P	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
BP2S	500mL H2SO4 plastic	AG3U	250mL unpreserved amber gla	BP1N	BP1S	BP1U	BP1Z	BP2A	BP2C	BP2Z	BP3A	BP3C	BP3Z	C	DG9B	DG9M	DG9P	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
BP3N	250mL HNO3 plastic	BG1H	1 liter HCL clear glass	BP1N	BP1S	BP1U	BP1Z	BP2A	BP2C	BP2Z	BP3A	BP3C	BP3Z	C	DG9B	DG9M	DG9P	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
BP3U	250mL unpreserved plastic	BG1S	1 liter H2SO4 clear glass	BP1N	BP1S	BP1U	BP1Z	BP2A	BP2C	BP2Z	BP3A	BP3C	BP3Z	C	DG9B	DG9M	DG9P	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
BP3S	250mL H2SO4 plastic	BG1T	1 liter Na Thiosulfate clear gla	BP1N	BP1S	BP1U	BP1Z	BP2A	BP2C	BP2Z	BP3A	BP3C	BP3Z	C	DG9B	DG9M	DG9P	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
AG3S	250mL H2SO4 glass amber	BG1U	1 liter unpreserved glass	BP1N	BP1S	BP1U	BP1Z	BP2A	BP2C	BP2Z	BP3A	BP3C	BP3Z	C	DG9B	DG9M	DG9P	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
AG1S	1 liter H2SO4 amber glass	BP1A	1 liter NaOH, Asc Acid plastic	BP1N	BP1S	BP1U	BP1Z	BP2A	BP2C	BP2Z	BP3A	BP3C	BP3Z	C	DG9B	DG9M	DG9P	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
BP1U	1 liter unpreserved plastic			BP1N	BP1S	BP1U	BP1Z	BP2A	BP2C	BP2Z	BP3A	BP3C	BP3Z	C	DG9B	DG9M	DG9P	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC

**APPENDIX D**

**UNDERGROUND STORAGE TANK NOTIFICATIONS TO IDEM**

Indiana Department of Environmental Management  
 Office of Environmental Response  
 UST Program  
 P.O. Box 7015  
 Indianapolis, IN 46207-7015

66-32

**Tanks**

FORM APPROVED  
 OMB NO. 2050-0049  
 APPROVAL EXPIRES 6-30-88

I.D. Number  (317) 243-5060	STATE USE ONLY
	Date Received

**INFORMATION**

Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1974, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as amended.

The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be used to determine if a tank is a release, or, in the absence of such records, your knowledge, belief, or recollection.

**Who Must Notify?** Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means:

- (a) in the case of an underground storage tank in use on November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances; and
- (b) in the case of any underground storage tank in use on November 8, 1984, but no longer in use on that date, any person who owned such tank immediately before the discontinuation of its use.

**What Tanks Are Included?** Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: 1. gasoline, used oil, or diesel fuel, and 2. industrial solvents, pesticides, herbicides or fumigants.

**What Tanks Are Excluded?** Tanks removed from the ground are not subject to notification. Other tanks excluded from notification are:

- 1. farm or residential tanks of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes;
- 2. tanks used for storing heating oil for consumptive use on the premises where stored;
- 3. septic tanks;

- 4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Safety Act of 1968, or the Hazardous Liquid Pipeline Safety Act of 1979, or which is an intrastate pipeline facility regulated under State laws;
- 5. surface impoundments, pits, ponds, or lagoons;
- 6. storm water or waste water collection systems;
- 7. flow-through process tanks;
- 8. liquid traps or associated gathering lines directly related to oil or gas production and gathering operations;
- 9. storage tanks situated in an underground area (such as a basement, cellar, mineworking, drift, shaft, or tunnel) if the storage tank is situated upon or above the surface of the floor.

**What Substances Are Covered?** The notification requirements apply to underground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 101 (14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), with the exception of those substances regulated as hazardous waste under Subtitle C of RCRA. It also includes petroleum, e.g., crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute).

**Where To Notify?** Completed notification forms should be sent to the address given at the top of this page.

**When To Notify?** 1. Owners of underground storage tanks in use or that have been taken out of operation after January 1, 1974, but still in the ground, must notify by May 8, 1986. 2. Owners who bring underground storage tanks into use after May 8, 1986, must notify within 30 days of bringing the tanks into use.

**Penalties:** Any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed \$10,000 for each tank for which notification is not given or for which false information is submitted.

**INSTRUCTIONS**

Please type or print in ink all items except "signature" in Section V. This form must be completed for each location containing underground storage tanks. If more than 5 tanks are owned at this location, photocopy the reverse side, and staple continuation sheets to this form.

Indicate number of continuation sheets attached

**I. OWNERSHIP OF TANK(S)**

Owner Name (Corporation, Individual, Public Agency, or Other Entity)

ENYART ELECTRIC MOTOR SVC.

Street Address

122 E. SAMPLE STREET

County

ST. JOSEPH

City

SOUTH BEND, IN

State

IN

ZIP Code

46619

Area Code

Phone Number

Type of Owner (Mark all that apply)

Current

State or Local Gov't

Private or Corporate

Former

Federal Gov't (GSA facility I.D. no.)

Ownership uncertain

**II. LOCATION OF TANK(S)**

(If same as Section I, mark box here )

Facility Name or Company Site Identifier, as applicable

Street Address or State Road, as applicable

County

City (nearest)

State

ZIP Code

Indicate number of tanks at this location

Mark box here if tank(s) are located on land within an Indian reservation or on other Indian trust lands

**III. CONTACT PERSON AT TANK LOCATION**

Name (If same as Section I, mark box here )

Job Title

Area Code

Phone Number

**IV. TYPE OF NOTIFICATION**

Mark box here only if this is an amended or subsequent notification for this location.

**V. CERTIFICATION (Read and sign after completing Section VI.)**

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.

Name and official title of owner or owner's authorized representative

JOHN BAMBER FOR OWNER

Signature

*John Bamber*

Date Signed

JANUARY 23, 1990

CONTINUE ON REVERSE SIDE



**VI. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)**

Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3...)	Tank No. 1	Tank No.	Tank No.	Tank No.	Tank No.
<b>1. Status of Tank</b> (Mark all that apply <input checked="" type="checkbox"/> ) Currently in Use Temporarily Out of Use Permanently Out of Use Brought into Use after 5/8/86	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>2. Estimated Age (Years)</b>	UNKNOWN				
<b>3. Estimated Total Capacity (Gallons)</b>	6,000				
<b>4. Material of Construction</b> (Mark one <input checked="" type="checkbox"/> ) Steel Concrete Fiberglass Reinforced Plastic Unknown Other, Please Specify	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>5. Internal Protection</b> (Mark all that apply <input checked="" type="checkbox"/> ) Cathodic Protection Interior Lining (e.g., epoxy resins) None Unknown Other, Please Specify	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>6. External Protection</b> (Mark all that apply <input checked="" type="checkbox"/> ) Cathodic Protection Painted (e.g., asphaltic) Fiberglass Reinforced Plastic Coated None Unknown Other, Please Specify	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>7. Piping</b> (Mark all that apply <input checked="" type="checkbox"/> ) Bare Steel Galvanized Steel Fiberglass Reinforced Plastic Cathodically Protected Unknown Other, Please Specify	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>8. Substance Currently or Last Stored in Greatest Quantity by Volume</b> (Mark all that apply <input checked="" type="checkbox"/> ) a. Empty b. Petroleum Diesel Kerosene Gasoline (including alcohol blends) Used Oil Other, Please Specify c. Hazardous Substance Please Indicate Name of Principal CERCLA Substance OR Chemical Abstract Service (CAS) No. Mark box <input checked="" type="checkbox"/> if tank stores a mixture of substances d. Unknown	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> HEATING <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>9. Additional Information (for tanks permanently taken out of service)</b> a. Estimated date last used (mo/yr) b. Estimated quantity of substance remaining (gal.) c. Mark box <input checked="" type="checkbox"/> if tank was filled with inert material (e.g., sand, concrete)	1-22-90 REMOVED <input type="checkbox"/>	/ <input type="checkbox"/>	/ <input type="checkbox"/>	/ <input type="checkbox"/>	/ <input type="checkbox"/>

FAW 2-12-90

B.C. = S OWNERID 09193 DEC 20 1

66-32

Indiana Department of Environmental Management  
Office of Environmental Response  
UST Program  
P.O. Box 7015  
Indianapolis, IN 46207-7015

# Tanks

FORM APPROVED  
EPA NO. 2020-0049  
APPROVAL EXPIRES 6-30-88

I.D. Number

STATE USE ONLY

C16719

Date Received

(317) 243-5668

## INFORMATION

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5. surface impoundments, pits, ponds, or lagoons;

6. storm water or waste water collection systems;

7. flow-through process tanks;

8. liquid traps or associated gathering lines directly related to oil or gas production and gathering operations;

9. storage tanks situated in an underground area (such as a basement, cellar, mineworking, drift, shaft, or tunnel) if the storage tank is situated upon or above the surface of the floor.

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## INSTRUCTIONS

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Indicate number of continuation sheets attached

### I. OWNERSHIP OF TANK(S)

Owner Name (Corporation, Individual, Public Agency, or Other Entity)

ENYART ELECTRIC MOTOR SERVICE

Street Address

122 E. SAMPLE STREET

County

ST. JOSEPH

City

SOUTH BEND,

State

IN

ZIP Code

46618

Area Code

219

Phone Number

288-4732

Type of Owner (Mark all that apply)

Current

State or Local Gov't

Private or Corporate

Former

Federal Gov't (GSA facility I.D. no.)

Ownership uncertain

### II. LOCATION OF TANK(S)

(If same as Section I, mark box here )

Facility Name or Company Site Identifier, as applicable

ENYART ELECTRIC MOTOR SERVICE

Street Address or State Road, as applicable

122 E. SAMPLE STREET

County

ST. JOSEPH

City (nearest)

SOUTH BEND,

State

IN

ZIP Code

46618

Indicate number of tanks at this location

Mark box here if tank(s) are located on land within an Indian reservation or on other Indian trust lands

### III. CONTACT PERSON AT TANK LOCATION

Name (If same as Section I, mark box here )

Job Title

Area Code

Phone Number

### IV. TYPE OF NOTIFICATION

Mark box here only if this is an amended or subsequent notification for this location.

### V. CERTIFICATION (Read and sign after completing Section VI.)

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.

Name and official title of owner or owner's authorized representative

JOHN BAMBER FOR OWNER

Signature

Date Signed

DECEMBER 31, 1989

CONTINUE ON REVERSE SIDE

**VI. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)**

Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3...)	Tank No. 1	Tank No.	Tank No.	Tank No.	Tank No.
<b>1. Status of Tank</b> (Mark all that apply <input checked="" type="checkbox"/> ) Currently in Use Temporarily Out of Use Permanently Out of Use Brought into Use after 5/8/86	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>2. Estimated Age (Years)</b>	UNKNOWN				
<b>3. Estimated Total Capacity (Gallons)</b>	6,000				
<b>4. Material of Construction</b> (Mark one <input checked="" type="checkbox"/> ) Steel Concrete Fiberglass Reinforced Plastic Unknown Other, Please Specify _____	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>5. Internal Protection</b> (Mark all that apply <input checked="" type="checkbox"/> ) Cathodic Protection Interior Lining (e.g., epoxy resins) None Unknown Other, Please Specify _____	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>6. External Protection</b> (Mark all that apply <input checked="" type="checkbox"/> ) Cathodic Protection Painted (e.g., asphaltic) Fiberglass Reinforced Plastic Coated None Unknown Other, Please Specify _____	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>7. Piping</b> (Mark all that apply <input checked="" type="checkbox"/> ) Bare Steel Galvanized Steel Fiberglass Reinforced Plastic Cathodically Protected Unknown Other, Please Specify _____	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>8. Substance Currently or Last Stored in Greatest Quantity by Volume</b> (Mark all that apply <input checked="" type="checkbox"/> ) a. Empty b. Petroleum Diesel Kerosene Gasoline (including alcohol blends) Used Oil Other, Please Specify _____ c. Hazardous Substance Please Indicate Name of Principal CERCLA Substance OR Chemical Abstract Service (CAS) No. Mark box <input checked="" type="checkbox"/> if tank stores a mixture of substances d. Unknown	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>9. Additional Information (for tanks permanently taken out of service)</b> a. Estimated date last used (mo/yr) b. Estimated quantity of substance remaining (gal.) c. Mark box <input checked="" type="checkbox"/> if tank was filled with inert material (e.g., sand, concrete)	12- <del>71</del> -89  <input checked="" type="checkbox"/>	/  <input type="checkbox"/>	/  <input type="checkbox"/>	/  <input type="checkbox"/>	/  <input type="checkbox"/>