TASK 210
SUBSURFACE SITE INVESTIGATION REPORT
COLCHESTER MAINTENANCE FACILITY
COLCHESTER, CONNECTICUT

ConnDOT Project Number: 172-0453

Prepared for

State of Connecticut Department of Transportation
Division of Environmental Compliance

Newington, Connecticut

Prepared by

TRC

Windsor, Connecticut

August 2016

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TRC Project No. 237612.005345.000210

August 2016

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1.0 INTRODUCTION

1.1 Overview

Pursuant to TRC's Connecticut Department of Transportation (ConnDOT) Contract for On-Call Environmental Services, TRC performed a Task 210 Subsurface Site Investigation at the ConnDOT Maintenance and Repair Facility located at 394 Old Hartford Road, Route 615, (referred to as the "site") in Colchester, Connecticut (Figure 1). Specifically, this investigation was conducted in the vicinity of select underground storage tanks (USTs) slated for removal and replacement.

1.2 Objectives

The primary objectives of this Task 210 site investigation were to:

- Determine soil and groundwater quality in the area of the current oil/water separator and gasoline, diesel and fuel oil USTs, which will be decommissioned and replaced with new USTs; and
- Utilize the gathered data to determine how best to manage soil and groundwater during the tank decommissioning and/or replacement activities and whether Plans and Specifications are required for the impending construction activities.

The analytical results of the soil and groundwater sampling conducted as part of this Task 210 has been compared to the numerical criteria set forth in Connecticut's Remediation Standard Regulations (RSRs) in order to determine the relative magnitude of potential impacts. This evaluation of the data will aid in managing the materials encountered during the construction activities.

1.3 Background

ConnDOT is removing four USTs located at the Colchester Maintenance Facility located at 394 Old Hartford Road, Route 615, Colchester, Connecticut (see Figure 1). The maintenance garage is located in the central portion of the site as shown on Figure 2. The tanks slated for removal include a 4,000-gallon gasoline UST, a 4,000-gallon diesel UST, a 2,000-gallon fuel-oil

UST and a 2,000-gallon oil/water separator. The locations of the existing USTs slated for removal as part of this project are shown on Figure 2.

1.4 Geologic/Physical Setting

As indicated by the Surficial Materials Map of Connecticut (Stone et al, 1992), the site is located in an area of thin till. The till layers are noted to be generally less than 10-15 feet thick with areas of bedrock outcropping. The till is characterized as loose to moderately compact, is generally sandy and commonly stony. This is consistent with that observed in borings drilled as part of this investigation

As indicated by the Geological Map of Connecticut (Rogers, 1985), the site is located within an area of Brimfield Schist. The thin till deposits at the site are underlain by gray, rusty-weathering, medium- to coarse-grained, interlayered schist and gneiss.

The topography in the immediate project area can be characterized as sloping from northeast to southwest. Groundwater generally flows from high topographic points to low topographic points, but can also be heavily influenced by aquifer type, depth to bedrock, nearby watercourses, groundwater use (withdrawal wells) and subsurface structures. Based on the local topography and features, groundwater is anticipated to flow to the southwest. According to the Connecticut Department of Energy and Environmental Protection (CTDEEP) groundwater classification maps reviewed by TRC, groundwater beneath the site is classified as “GA”, which indicates that it is suitable for drinking and other domestic uses without treatment when no pollutant in such ground water.

2.0 TECHNICAL APPROACH

This section of the report summarizes the soil and groundwater sampling methods employed during the Task 210 field investigation. Observations made in the field are also summarized in this section. The Task 210 work performed at this site was completed in accordance with the *TRC Work Request for Task 210 Subsurface Site Investigation: Colchester Maintenance Facility, Colchester, CT,* completed by TRC in June 2016. Any exceptions to the plan are noted in the following sub-sections.

As indicated above, the focus of the Task 210 Subsurface Site Investigation was to characterize soil at the site in the areas where existing USTs are due to be removed. Specifically, the proposed soil boring/environmental sampling locations were selected in order to characterize the soils surrounding the oil/water separator, fuel-oil, gasoline and diesel USTs. Four soil borings were advanced in close proximity to the concrete pad covering the oil/water separator. Another four soil borings were advanced around the concrete pad covering the gasoline and diesel USTs and three soil borings were advanced around the concrete pad covering the fuel-oil UST. An additional two borings were advanced to shallow depths to characterize general surficial soils at the site so that a soil management plan can be produced for upcoming construction activities (refer to Figure 3). As indicated above, groundwater was encountered as part of this investigation at approximately 7-10 feet below grade (ftbg) in the southwestern-most borings, but was not observed in the northeastern most-borings.

A total of 25 soil samples, including one duplicate, were collected from the thirteen soil borings and submitted to the laboratory for analysis. In addition, one grab groundwater sample was collected in accordance with the proposed scope of work. The groundwater sample was collected by using a peristaltic pump to extract water directly from the open bore hole. A solvent blank, a trip blank and a field rinsate blank, were also submitted to the laboratory for analysis. The 25 soil samples and groundwater sample were submitted to the laboratory for analysis of the following:

- Volatile organic compounds (VOCs) by EPA Method 8260 (with Method 5035 field preservation for soil samples);
- Semi-volatile organic compounds (SVOCs) by EPA Method 8270;

- Extractable total petroleum hydrocarbons (ETPH) by Connecticut's 2001 Method; and
- Total RCRA 8 metals by EPA Methods 6010/7471.

All samples were analyzed by Phoenix Environmental Laboratories (Phoenix) of Manchester, Connecticut in accordance with Connecticut's Reasonable Confidence Protocols (RCP).

2.1 Preliminary Activities

Prior to beginning the investigation, TRC marked the proposed boring locations at the site with white paint on the pavement. "Call Before You Dig" (CBYD) was contacted by SoilTesting, Inc. (SoilTesting) of Oxford, Connecticut to mark the locations of buried utilities in the proposed work zones. In addition, TRC contracted Underground Surveying, LLC of Brookfield, Connecticut, a private utility mark-out service, to conduct a more detailed on-site mark-out given the presence of several utilities within the work areas.

2.2 Soil Boring Program

Methodology

A total of 13 soil borings were advanced on July 5, 2016 by SoilTesting, under the direct supervision of TRC personnel. These borings were advanced utilizing a track-mounted GeoProbe™. Soil cores were collected continuously from the ground surface to a maximum depth of 14 ftbg.

Each five-foot soil core was collected in an acetate Macro-Core® liner and was logged with respect to soil characteristics (i.e., grain size, moisture content and any other physical characteristics) and indications of potential impacts (e.g., stains and odors). In addition, each core was field-screened using a photoionization detector (PID) prior to the collection of soil samples for analysis. Soil boring logs are presented in Appendix A. The soil boring/sampling locations are shown on Figure 3.

As noted above, two soil samples were collected from each soil boring, with the exception of the two shallow borings in which only one sample was collected from each. One shallow soil sample was collected from each deeper boring in order to provide information on the disposition of shallow soils (i.e., within three feet of the ground surface) that may require management as part of the future UST replacement project. The initial criteria for selecting the second soil sample interval for laboratory analysis were visual and olfactory observations and/or PID screening results. In the absence of obvious evidence of impacts, the second soil sample intervals were chosen based on the most likely interval for impacts, that typically being the depth directly above or at the groundwater interface or below the suspected bottom depth of the tanks.

Soil samples submitted to the laboratory for VOC analysis were collected in accordance with EPA Method 5035. This method outlines the collection of soil samples, without homogenization and with minimal disturbance, and transfer into extraction solvents. The remaining soil was then homogenized utilizing dedicated/decontaminated stainless steel bowls and spoons, placed in the appropriate laboratory-supplied sample containers and then placed on ice, in a cooler, for delivery to the laboratory. The remaining soils and drill cuttings were returned to their respective boreholes.

The probe tip and Macro-Core® sampler were decontaminated between uses to minimize the potential for cross-contamination. The decontamination was completed by washing with an Alconox and tap water mixture, followed by a tap water rinse and a final deionized water rinse.

Field Observations

Based on the descriptions of the soil cores, the site is underlain primarily by fine sand, with silt and trace fine gravel. At all locations, borings were advanced to the desired depth in order to collect soil samples as near as possible to the bottom of each UST. Refusal was met in most borings between 9 and 14 ftbg. Two borings were advanced to a total depth of 4 ftbg along the northwestern boundary of the site to assess general site soil characteristics. Soils to the west and southwest of the gasoline and diesel USTs exhibited PID readings ranging from 0.4 parts per million (ppm) (CMF-B7 at approximately 1 ftbg) to 482.8 ppm (CMF-B7 at approximately 8 ftbg). Strong odors were detected in CMF-B6 and CMF-B7 and light staining was observed.

Groundwater was observed in the site borings ranging from approximately 7 ftbg to 10 ftbg. TRC did not note any petroleum odors or visual staining in the remaining soil borings.

2.3 Groundwater Sampling Program

Methodology

As PVC screen and riser were not available at the time of sampling and as such, TRC evacuated groundwater directly from the open bore hole. Groundwater and fines were evacuated from the open bore hole prior to sampling using a peristaltic pump with dedicated silicon and polyethylene tubing. The groundwater sample collected was then placed in laboratory-supplied containers and was cooled for shipment to the laboratory under proper chain-of-custody procedures.

Field Observations

Groundwater was observed in the southwestern-most borings advanced at the site at depths ranging between 7 ftbg and 10 ftbg. At CMF-B6, groundwater was encountered at a depth of approximately 7 ftbg.

The groundwater evacuated from the open bore hole was initially characterized as very silty, but became clearer as more water was purged. Petroleum odors and sheens were not noted in association with the grab groundwater sample collected from CMF-B6.

2.4 Quality Assurance/Quality Control Samples

Quality assurance/quality control (QA/QC) samples were collected as part of the Task 210 subsurface investigation.

In order to determine the effectiveness of the decontamination of the sampling equipment, a field rinsate blank was collected and analyzed for the same analyses as the primary samples submitted on the day of the sampling. The field rinsate blank was collected by pouring laboratory-supplied deionized water over and/or through the sampling equipment (acetate liner, sample tubing, etc.) used in the collection of the samples. The rinsate water was then collected

into the appropriate laboratory-supplied sample containers. The field rinsate blank associated with the sampling program was designated as “CMF-FB070516”.

In addition, solvent blanks were submitted to evaluate the effect of sample storage and shipment on sample integrity for the soil samples collected for VOC analysis. Solvent blanks are used to ensure that proper sample container preparation and handling procedures were utilized following EPA 5035 Method protocols for field preservation of VOC soil samples. Vials of methanol and deionized water to be used for VOC soil sampling were prepared by the laboratory. The solvent blanks associated with the soil sampling program were designated as “CMF-SB070516 L” (for the low-level VOC analysis, which consist of the vials containing deionized water) and “CMF-SB070516 H” (for the high-level VOC analysis, which consisted of one methanol-preserved VOC vial).

A trip blank was also submitted to the laboratory as part of the groundwater sampling regimen for this project. An aqueous trip blank was prepared by the laboratory for the shipment of groundwater samples submitted to the lab for VOC analysis. The trip blank was shipped with the sample containers from the lab and remained on ice in the cooler during the collection of the groundwater samples. The trip blank sample was designated as “CMF-TB070516”.

Duplicate samples are two separate samples collected from the same source. The procedure for collecting a duplicate sample consists of alternating the collection of the sample between the primary sample container and the duplicate sample container. The duplicate soil sample collected as part of this sampling program was labeled as CMF-B16 (7.5-9.5) and was a duplicate of soil sample CMF-B6 (7.5-9.2).

3.0 INVESTIGATION RESULTS

The following sections provide a summary of the analytical results related to the soil and groundwater sampling conducted at the site. Twenty-five soil samples (including one duplicate sample) and one grab groundwater sample were collected and analyzed for VOCs, SVOCs, ETPH and total RCRA 8 metals. The soil analytical results are summarized in Table 1 and groundwater analytical results are summarized in Table 2. A copy of the laboratory report is provided in Appendix B.

Although the project site is not subject to the Transfer Act, the Voluntary Cleanup Program, nor the requirements of a Consent Order, the analytical results were compared to the Connecticut RSRs to evaluate the levels of any detected contaminants within the investigated areas. This allows for management of contaminated media in a manner consistent with applicable regulations.

The reported concentrations for soils were compared to the Residential Direct Exposure Criteria (RES DEC) and the GA Pollutant Mobility Criteria (GA PMC) under the RSRs. The Industrial/Commercial (I/C) criteria are not technically applicable at a site unless an Environmental Land Use Restriction (ELUR) is implemented, therefore, those criteria are not presented herein.

The analytical results of the grab groundwater sample were compared to the Surface Water Protection Criteria (SWPC) and the Residential Groundwater Volatilization Criteria (RES GWVC). The "default" criteria to which the results of the grab groundwater sample collected as part of this investigation are the permit effluent limits for the *General Permit for Discharge of Groundwater Remediation Wastewater Directly to Sanitary Sewer* (Discharge to Sanitary Sewer General Permit, or GP-007). The General Discharge Permit applies to wastewater in connection with investigating pollution or remediating polluted groundwater or soil. Given the location of the project area, discharge of any groundwater that could be required as part of construction activities would not likely be directed to a surface water body. Therefore, the results of the grab groundwater samples are <u>not</u> compared to the permit effluent limits for the *General Permit for Discharge of Groundwater Remediation Wastewater Directly to Surface Water*. Exceedances of

the permit effluent limits indicate that treatment would potentially be necessary prior to discharge under the specified permit. Any pollutant reported above its detection limits, or any pollutant that had detection limits greater than the permit effluent limits indicate that any groundwater discharge would need to be registered under the applicable permit and comply with the discharge requirements.

3.1 Soil Sample Results

As indicated above, a summary of the soil sample analytical results is presented in Table 1. A copy of the laboratory analytical report for the soil samples is included as Appendix B.

VOCs

VOCs were detected above the laboratory reporting limits in soil sample CMF-B7 (7.5-9.5), but below the applicable RSR criteria. The reported VOC concentrations range from 0.7 ppm (ethylbenzene) to 12 ppm (1,3,5-Trimethylbenzene). VOCs were not detected above laboratory reporting limits in any other soil samples collected as a part of this subsurface investigation.

SVOCs

SVOCs were not detected above laboratory reporting limits in any of the soil samples collected as a part of this subsurface investigation.

ETPH

ETPH was reported above analytical detection limits in soil sample CMF-B7 (7.5-9.5) at a concentration of 200 ppm. The reported concentration of ETPH does not exceed the applicable RSR criteria. ETPH was not detected above laboratory reporting limits in any of the other soil samples collected as a part of the subsurface investigation.

Total RCRA 8 Metals

One or more of the following metals were detected in the soil samples collected from the

site at the indicated concentration ranges: arsenic (1.02 ppm to 7.83 ppm), barium (19 ppm to 228 ppm), chromium (13 ppm to 55.3 ppm), lead (0.39 ppm to 7.49 ppm) and selenium (2.2 ppm). All reported concentrations of metals are below the applicable RSR criteria.

3.2 Groundwater Sample Results

As indicated above, a summary of the groundwater sample analytical results is presented in Table 2. A copy of the laboratory analytical report for the groundwater sample is included as Appendix B.

VOCs

As indicated in Table 2, VOCs were not detected above the laboratory reporting limits in the groundwater sample collected as part of this subsurface investigation.

SVOC

SVOCs were not detected above laboratory reporting limits in the groundwater sample collected as part of this subsurface investigation.

ETPH

ETPH was not detected above laboratory reporting limits in the groundwater sample collected as part of this subsurface investigation.

Total RCRA 8 Metals

The metals arsenic, barium, chromium and lead were detected in groundwater sample CMF-GW6. The reported concentrations of arsenic (0.019 ppm) and lead (0.055 ppm) exceed the SWPC. Though SWPC has not been established for total chromium, the reported concentration of chromium (0.118 ppm) detected in CMF-GW6 exceeds the SWPC for hexavalent chromium. The reported concentration of barium does not exceed the SWPC. The reported concentrations of all metals are below the GP-007 permit effluent limits.

3.3 Quality Assurance / Quality Control Sample Results

As indicated in Section 2.4, a field rinsate blank, duplicate soil sample, solvent blank and trip blank were submitted to the laboratory as part of the sampling program for QA/QC purposes. The field rinsate blank did not exhibit detectable concentrations of any constituents, indicating that the field equipment used for the sampling had been adequately decontaminated and had no influence on the soil or grab groundwater analytical results.

The concentrations of constituents reported in the duplicate soil sample CMF-B16 (7.5-9.5) (only metals) varied very slightly from those detected in the primary sample, CMF-B6 (7.5-9.5). The minimal variation in the reported constituents indicates that the samples were adequately homogenized in the field and the laboratory's processing of the samples was consistent.

VOCs were not detected in the solvent blank or trip blank associated with this investigation.

4.0 CONCLUSIONS AND RECOMMENDATIONS

This section briefly summarizes the findings of the Task 210 exploratory site investigation activities conducted at the site on July 5, 2016. Also included are recommendations based on these findings/conclusions.

4.1 Soil

1. The soil borings drilled in the planned UST removal areas were advanced to a maximum depth of 14 feet below grade. The subsurface conditions encountered during the investigation indicated that shallow soils (typically between the surface and eight ftbg) consisted primarily of fine sand and trace fine gravel. Deeper soils, between ten and fourteen ftbg, consisted of silt with varying amounts of fine sand and trace fine gravel. Evidence of contamination, specifically elevated PID readings, petroleum odors and staining were noted in soil cores collected from two of the soil borings located to the west of the gasoline/diesel UST/dispenser area. The observed impacts generally corresponded to the depth of the water table at each location.

2. VOCs were detected in soil sample CMF-B7 (7.5-9.5). The reported concentrations of all VOCs detected are below the applicable RSR criteria. The presence of VOCs in this sample is most likely the result of a historic release of petroleum products (likely gasoline, given the corresponding odors and elevated PID readings observed at depth in both borings CMF-B6 and CMF-B7).

   SVOCs were not detected above laboratory reporting limits in any soil samples collected as a part of this subsurface investigation.

   ETPH was detected in soil sample CMF-B7 (7.5-9.5) at a concentration of 200 ppm. The reported concentration of ETPH does not exceed the applicable RSR criteria. ETPH was not detected above laboratory reporting limits in any other soil samples collected as a part of this subsurface investigation.

   One or more of the metals arsenic, barium, chromium, lead and slenium were detected in each of the soil samples. The reported concentrations of metals did not exceed the applicable RSR criteria in any samples.

   Recommendation: Based on the results of this investigation, TRC recommends preparation of a Task 310 Plans and Specifications (and estimate) to address the contamination identified above. It is also recommended that a Notice To Contractor be prepared to notify the tank replacement contractor of the investigation results. In addition, a health and safety specification is warranted for the removal of the USTs.

4.2 Groundwater

1. Groundwater was encountered in the southwestern-most borings at depths of approximately 7 to 10 feet below grade.

2. One groundwater sample, identified as CMF-GW6, was collected directly from the open bore hole identified as CMF-B6.

   VOCs were not detected above laboratory reporting limits in the groundwater sample collected as part of this subsurface investigation.

   SVOCs were not detected above laboratory reporting limits in the groundwater sample collected as part of this subsurface investigation.

   ETPH was not detected above laboratory reporting limits in the groundwater sample collected as part of this subsurface investigation.

   Several metals were detected at concentrations above the reporting limits in the grab groundwater sample collected. The reported concentrations of arsenic and lead exceed the SWPC, but do not exceed the GP-007 effluent limit. Though there is no SWPC established for total chromium, the reported concentration of chromium in the grab groundwater sample collected exceeds the SWPC for hexavalent chromium, but does not exceed the GP-007 effluent limit.

   Recommendation: The gasoline and diesel USTs to be removed at the site are of single-wall FRP construction. The gasoline and diesel tanks each have a capacity of 4,000-gallons. The USTs are most likely six feet in diameter and are covered with three feet of overburden material. The depth to bottom of the USTs would then be approximately nine feet below grade. Given the observed depth to groundwater (varying from approximately 7 to 10 ftbg) at the site and the anticipated depth of construction, that dewatering activities may be necessary to remove the USTs. Therefore, groundwater management is likely.

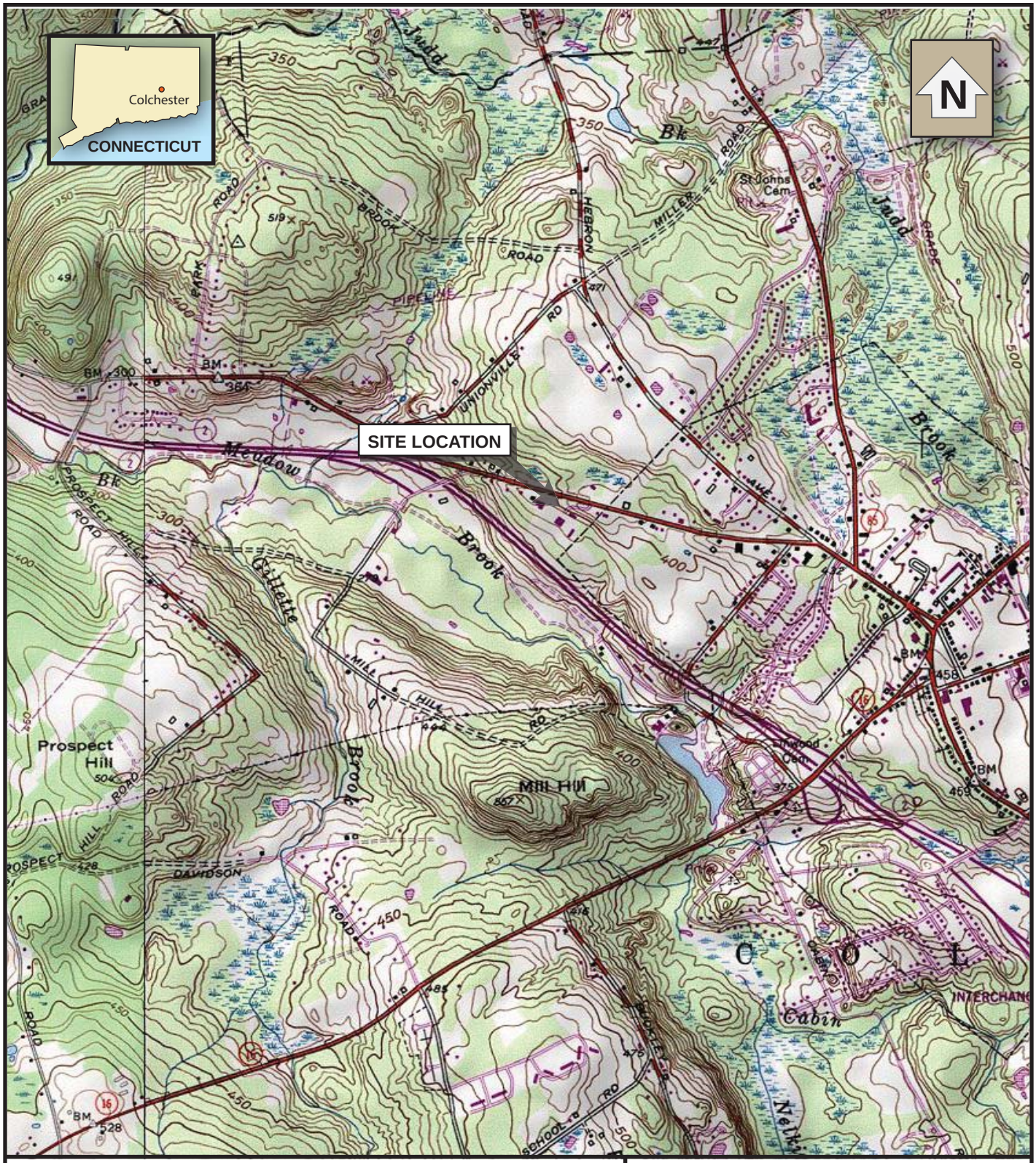
   Because groundwater could potentially be encountered during the UST removal activities, it is recommended that the Notice To Contractor be prepared to notify the tank replacement contractor of the groundwater investigation results.

5.0 REFERENCES

Rogers, J. 1985. Bedrock Geological Map of Connecticut. State Geological and Natural History of Connecticut. Scale 1:125,000.

Stone, J.R. 1992. Surficial Materials Map of Connecticut. U.S. Department of the Interior, U.S. Geological Survey. Scale1:125,000.

FIGURES



0 2000
Approximate Scale FT

0 1
Approximate Scale MILE

1:24000
BASE CREATED WITH TOPO© 1996 WILDFLOWERS PRODUCTIONS,
www.topo.com 7.5' USGS TOPOGRAPHIC MAPS
PUTNAM, CT QUADRANGLE

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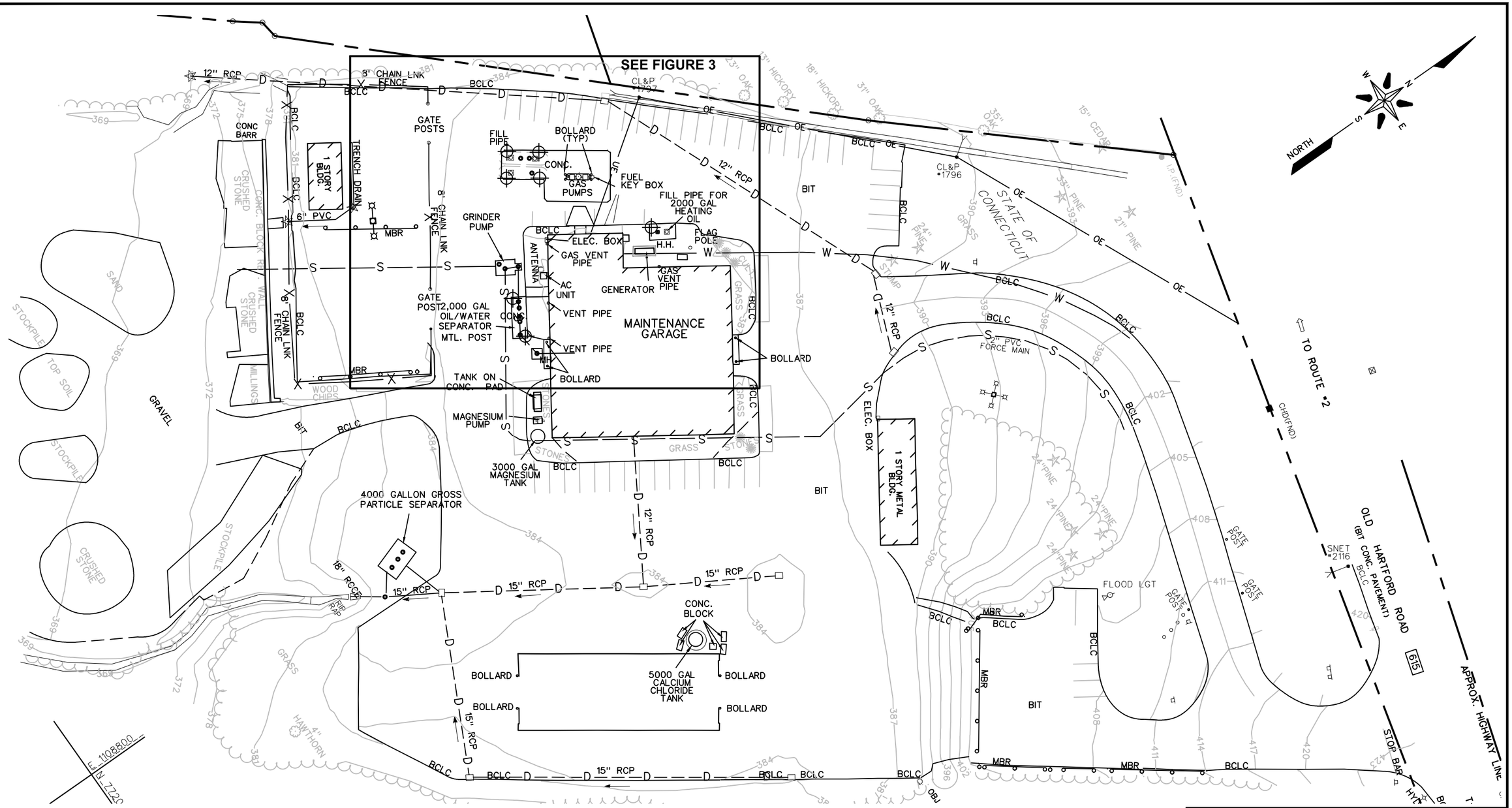
COLCHESTER MAINTENANCE FACILITY
394 OLD HARTFORD ROAD, COLCHESTER, CT

FIGURE 1
SITE LOCATION MAP

DATE: 08/2016 | PROJECT NO. 237612.5345.000000



LEGEND

	BUILDING		PARKING LOT LIGHT
			TREE LINE
			TREE
	EDGE OF PAVEMENT		
	EDGE OF GRAVEL AREA	—— D ——	STORM DRAIN PIPE
—— x ——	CHAIN LINK FENCE	—— S ——	SANITARY SEWER PIPE
	GUIDE RAIL		MANHOLE
	CATCH BASIN		MONITORING WELL

SOURCE:
MAP TITLED "STATE OF CONNECTICUT, DEPARTMENT OF TRANSPORTATION, FACILITY RENOVATIONS, COLCHESTER MAINTENANCE FACILITY, IN THE TOWN OF COLCHESTER", PROJECT NUMBER 170-2864"B", DATED: DECEMBER 2015, BY CONNECTICUT DOT DISTRICT 2.

0 60' 120'
GRAPHIC SCALE

PROJECT:
CONNECTICUT DEPARTMENT OF TRANSPORTATION
COLCHESTER MAINTENANCE FACILITY
394 Old Hartford Road, Route 615, Colchester, Connecticut

TITLE:
SITE PLAN

DRAWN BY:	KDH	PROJ NO.:	237612-005345-000210
CHECKED BY:	LB		**FIGURE 2**
APPROVED BY:	DAM		
DATE:	08/01/2016		

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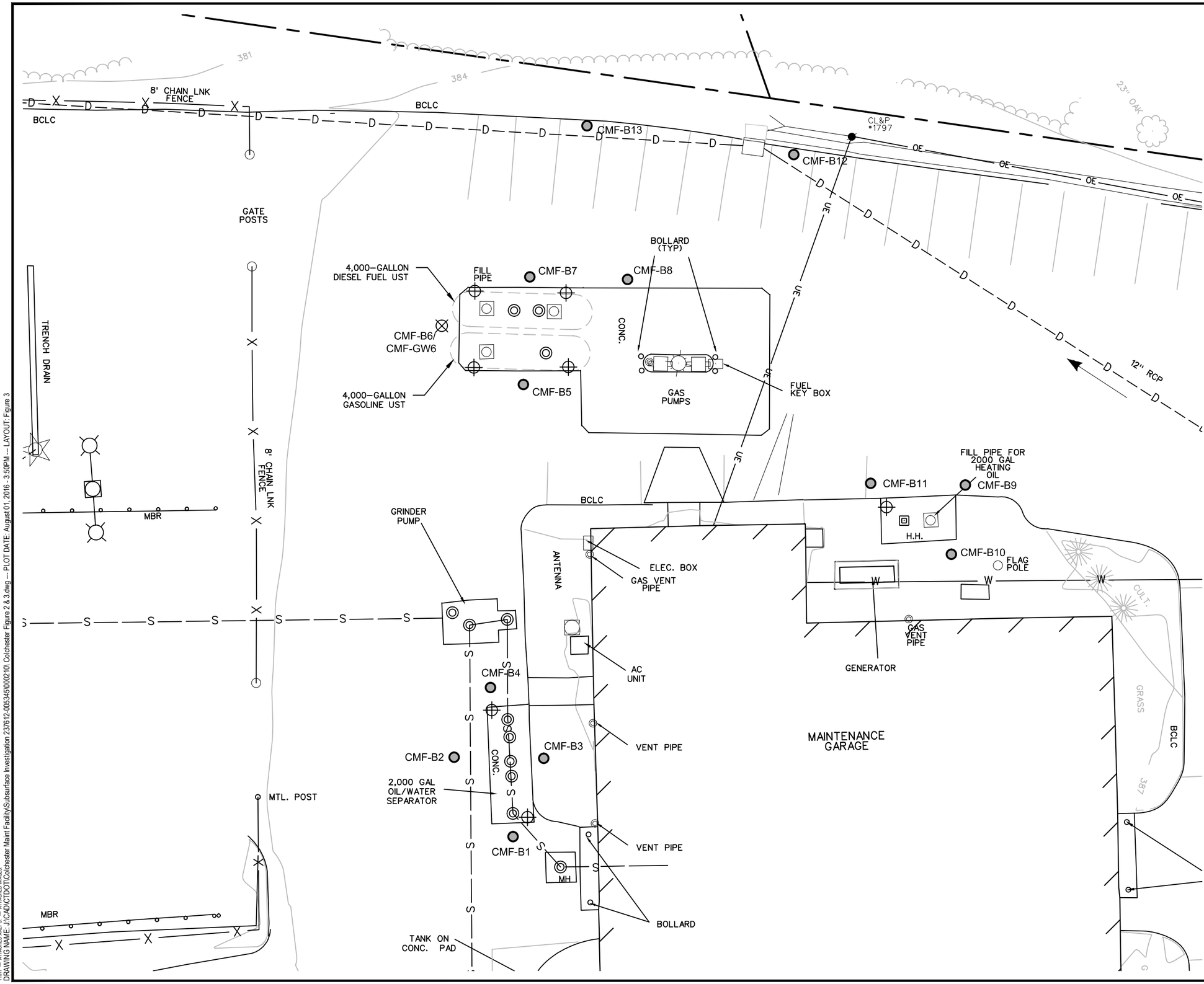
FILE NO.: Colchester Figure 2 & 3.dwg

11x17 — ATTACHED XREFS: — ATTACHED IMAGES:
DRAWING NAME: J:\CAD\CTDOT\Colchester Maint Facility\Subsurface Investigation 237612-005345\000210\ Colchester Figure 2 & 3.dwg — PLOT DATE: August 01, 2016 - 3:54PM — LAYOUT: Figure 2



NORTH

LEGEND

- BUILDING
- EDGE OF PAVEMENT
- EDGE OF GRAVEL AREA
- CHAIN LINK FENCE
- GUIDE RAIL
- CATCH BASIN
- PARKING LOT LIGHT
- TREE LINE
- TREE
- STORM DRAIN PIPE
- SANITARY SEWER PIPE
- MANHOLE
- MONITORING WELL
- SOIL BORING LOCATION
- SOIL BOING WITH GROUNDWATER SAMPLE LOCATION

0 20' 40'

GRAPHIC SCALE

PROJECT:
CONNECTICUT DEPARTMENT OF TRANSPORTATION
COLCHESTER MAINTENANCE FACILITY
394 Old Hartford Road, Route 615, Colchester, Connecticut

TITLE:
SAMPLE LOCATION PLAN

DRAWN BY:	KDH	PROJ NO.:	237612-005345-000210
CHECKED BY:	LB		
APPROVED BY:	DAM		**FIGURE 3**
DATE:	08/01/2016		

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FILE NO.: Colchester Figure 2 & 3.dwg

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DRAWING NAME: J:\CAD\CTDOT\Colchester Maint Facility\Subsurface Investigation 237612-005345000210\ Colchester Figure 2 & 3.dwg -- PLOT DATE: August 01, 2016 - 3:50PM -- LAYOUT: Figure 3

TABLES

Table 1
Soil Sample Analytical Results
Task 210 Subsurface Investigation
Colchester Maintenance Facility, Colchester, Connecticut
TRC Project No. 237612.5345.210
ConnDOT Project No. 172-0453

Boring No. Sample Interval (ftbg): Sample Date: Notes:	CMF-B1 (.5-2) 0.5-2.0 7/5/2016	CMF-B1 (10-12) 10-12 7/5/2016	CMF-B2 (.5-2) 0.5-2.0 7/5/2016	CMF-B2 (8-10) 8-10 7/5/2016	CMF-B3 (.5-2) 0.5-2.0 7/5/2016	CMF-B3 (7.5-9.5) 7.5-9.5 7/5/2016	CMF-B4 (.5-2) 0.5-2.0 7/5/2016	CMF-B4 (7.5-9.5) 7.5-9.5 7/5/2016	CMF-B5 (.5-2) 0.5-2.0 7/5/2016	CMF-B5 (7.5-9.5) 7.5-9.5 7/5/2016	CMF-B6 (.5-2) 0.5-2.0 7/5/2016	CMF-B6 (7.5-9.5) 7.5-9.5 7/5/2016	CMF-B16 (7.5-9.5) 7.5-9.5 7/5/2016 Duplicate of CMF-B6 (7.5-9.5)	CMF-B7 (.5-2) 0.5-2.0 7/5/2016	CMF-B7 (7.5-9.5) 7.5-9.5 7/5/2016	**CT RSRs**	
																RES DEC	GA PMC
Volatile Organic Compounds - mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Method 8260																	
1,2,4-Trimethylbenzene															3.3	NE	NE
1,3,5-Trimethylbenzene															12	NE	NE
Ethylbenzene															0.7	500	10.1
Isopropylbenzene															1.9	--	--
n-Butylbenzene															4.5	--	--
n-Propylbenzene															11	--	--
p-Isopropyltoluene															2.2	NE	NE
sec-Butylbenzene															2.8	--	--
Semi-Volatile Organic Compounds - mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--
Method 8270																	
Extractable Total Petroleum Hydrocarbons - mg/kg																	
CT Method	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200	500	500
Total Metals - mg/kg																	
Methods 6010/7471																	
Arsenic	1.78	2.25	3.14	3.29	2.53	4.21	2.94	1.92	4.33	3.78	7.83	2.01	2.12	3.34	1.57	10	--
Barium	32.4	95.7	49.1	118	40.4	108	94.9	139	100	53.3	50.5	206	169	95.4	115	4,700	--
Chromium	15.3	31.4	16.9	37.7	22.1	26.9	25.5	29.9	28.1	18.4	18.1	37.1	41.6	32.8	44.8	100**	--
Lead	1.88	1.45	1.36	2.48	7.49	2.27	2.91	0.39	3.53	2.49	2.47	4.38	4.21	2.22	4.05	400	--
Selenium								2.2								340	--

NOTES:
CT RSRs - State of Connecticut Remediation Standard Regulations (CT RSRs) per RCSA 22a-133k-1 through 22a-133k-3, adopted January 1, 1996 and revised on June 27, 2013.
RES DEC - Residential Direct Exposure Criteria
GA PMC - GA Pollutant Mobility Criteria
ftbg - feet below grade
ND - Not detected above laboratory detection limits (all checked to be in compliance with established RSR criteria)
NA - Not Analyzed
NE - Not Established
BOLD value indicates an exceedance of the Residential Direct Exposure Criteria (RES DEC)
Shaded value indicates an exceedance of the GA Pollutant Mobility Criteria (GA PMC)
** - Currently, no RES DEC or I/C DEC for total chromium is established in the CT RSRs. However, the CT RSRs provide an RES DEC value for both hexavalent and trivalent chromium, of which the value for hexavalent chromium (the more stringent of the two) is presented on this table for comparison.

Table 1
Soil Sample Analytical Results
Task 210 Subsurface Investigation
Colchester Maintenance Facility, Colchester, Connecticut
TRC Project No. 237612.5345.210
ConnDOT Project No. 172-0453

Boring No. Sample Interval (ftbg): Sample Date: Notes:	CMF-B8 (.5-2) 0.5-2.0 7/5/2016	CMF-B8 (7.5-9.5) 7.5-9.5 7/5/2016	CMF-B9 (.5-2) 0.5-2.0 7/5/2016	CMF-B9 (7-9) 7-9 7/5/2016	CMF-B10 (.5-2) 0.5-2.0 7/5/2016	CMF-B10 (8-10) 8-10 7/5/2016	CMF-B11 (.5-2) 0.5-2.0 7/5/2016	CMF-B11 (7-9) 7-9 7/5/2016	CMF-B12(.5-2) 0.5-2.0 7/5/2016	CMF-B13 (.5-2) 0.5-2.0 7/5/2016	CMF-FB070516 7/5/2016 Field Blank	CMF-SB070516L 7/5/2016 Solvent Blank	CMF-SB070516H 7/5/2016 Solvent Blank	**CT RSRs**	
														RES DEC	GA PMC
Volatile Organic Compounds - mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Method 8260															
1,2,4-Trimethylbenzene														NE	NE
1,3,5-Trimethylbenzene														NE	NE
Ethylbenzene														500	10.1
Isopropylbenzene														--	--
n-Butylbenzene														--	--
n-Propylbenzene														--	--
p-Isopropyltoluene														NE	NE
sec-Butylbenzene														--	--
Semi-Volatile Organic Compounds - mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	--	--
Method 8270															
Extractable Total Petroleum Hydrocarbons - mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA		
CT Method														500	500
Total Metals - mg/kg											ND	NA	NA		
Method 6010/7471															
Arsenic	1.75		1.83	2.31	1.96	2.3	2.19	2.52	1.02	2.76				10	--
Barium	23.8	118	141	228	112	203	105	68.1	19	95.7				4,700	--
Chromium	14.8	55.3	42.8	53	39.7	35	38.1	27.5	13	39.2				100**	--
Lead	1.68	2.91	1.37		1.9	2.58	1.83	3.4	1.11	1.63				400	--
Selenium														20	--

NOTES:
CT RSRs - State of Connecticut Remediation Standard Regulations (CT RSRs) per RCSA 22a-133k-1 through 22a-133k-3, adopted January 1, 1996 and revised on June 27, 2013.
RES DEC - Residential Direct Exposure Criteria
GA PMC - GA Pollutant Mobility Criteria
ftbg - feet below grade
ND - Not detected above laboratory detection limits (all checked to be in compliance with established RSR criteria)
NA - Not Analyzed
NE - Not Established
BOLD value indicates an exceedance of the Residential Direct Exposure Criteria (RES DEC)
Shaded value indicates an exceedance of the GA Pollutant Mobility Criteria (GA PMC)
** - Currently, no RES DEC or I/C DEC for total chromium is established in the CT RSRs. However, the CT RSRs provide an RES DEC value for both hexavalent and trivalent chromium, of which the value for hexavalent chromium (the more stringent of the two) is presented on this table for comparison.

Table 2
Groundwater Sample Analytical Results
Task 210 Subsurface Investigation
Colchester Maintenance Facility, Colchester, Connecticut
TRC Project No. 237612.5345.210
ConnDOT Project No. 172-0453

Sample ID: Sample Date: Notes:	CMF-GW6 7/5/2016	CMF-TB070516 7/5/2016 Trip Blank	**CT RSRs**		**CT General Permit Effluent Limits**
			SWPC	RES GWVC	Remediation GW Discharge to Sanitary Sewer
Volatile Organic Compounds - ug/L **Method 8260**	ND	ND	--	--	--
Semi-Volatile Organic Compounds - ug/L **Method 8270**	ND	NA	--	--	--
Extractable Total Petroleum Hydrocarbons - ug/L **CT Method**	ND	NA	--	--	--
Total Metals - mg/L **Method 6010/7471**		NA			
Arsenic	0.019		0.004	--	0.1
Barium	0.838		NE	--	5
Chromium	0.118		0.11**	--	1
Lead	0.055		0.013	--	0.1

NOTES:

ND - Not Detected

NA - Not Analyzed

NE - Not Established

mg/l - milligrams per liter = parts per million

ug/l - micrograms per liter = parts per billion

Shaded value indicates an exceedance of the Surface Water Protection Criteria (SWPC) and/or Residential Groundwater Volatilization Criteria (RES GWVC)

BOLD value indicates an exceedence of the CT General Permit Discharge Limit

** - Currently, no SWPC for total chromium is established in the CT RSRs. However, the CT RSRs provide an SWPC value for both hexavalent and trivalent chromium, of which the value for hexavalent chromium (the more stringent of the two) is presented on this table for comparison.

APPENDIX A

SOIL BORING LOGS

BORING NUMBER: **CMF-B1**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Colchester Maintenance Facility	Boring Depth:	13.5	Hole Diameter:	2-inch
Project Location:	394 Old Hartford Road, Route 615, Colchester, CT	Date Started:	7/5/16	Date Completed:	7/5/16
Project Number:	237612.005345.000211	Coordinate System:			
Client:	Connecticut Department Of Transportation	North:	Not Surveyed	East:	Not Surveyed
Logged By:	Zach Pedersen	Vertical Datum:		Ground Elevation:	Not Surveyed
Checked By:	Chris Lindahl				

DRILLING INFORMATION	
Drilling Contractor:	SoilTesting, Inc.
Driller(s):	Brock
Drilling Method:	Geoprobe
Equipment/Model:	Geoprobe 6610
Sampler:	Macrocore (MC)

GROUND WATER OBSERVATIONS			
MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
DATE			
DEPTH (ft.bgs.)	8.5		
REFERENCE	Ground Surface		
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	VOC SCREENING RESULTS (ppm)
	CMF-B1 (0.5-2)	MC	5.0	3.5		0 '- 0.6 ' Black, **ASPHALT**, no odor, no staining	
1						0.6 '- 1.5 ' **F-SAND**	
2						1.5 '- 1.8 ' Reddish Brown, **F-SAND**, trace fine gravel, dry, no odor, no staining	
3						1.8 '- 3.5 ' Light Brown, **F-M SAND & F-GRAVEL**, dry, no odor, no staining	
4							
5						5 '- 7.2 ' Dark Gray, **SILT**, little clay, dry, no odor, no staining	
6							
7							
		MC	5.0	3.5		7.2 '- 8.5 ' Reddish Brown, **SILT**, little fine sand, moist, no odor, no staining	
8							
9							
10						10 '- 10.8 ' Reddish Brown, **SILT**, little fine sand, moist, no odor, no staining	
11						10.8 '- 13.2 ' Gray, **SILT**, little fine sand, moist, no odor, no staining	
12	CMF-B1 (10-12)	MC	3.5	3.2			
13							
14						Refusal at 13.5 feet. Bottom of borehole at 13.5 feet.	
15							

Notes: Soil samples collected at intervals noted above analyzed for VOCs, SVOCs, ETPH and total RCRA 8 metals.

TRC
Results you can rely on

BORING NUMBER: **CMF-B2**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Colchester Maintenance Facility	Boring Depth:	13.5	Hole Diameter:	2-inch
Project Location:	394 Old Hartford Road, Route 615, Colchester, CT	Date Started:	7/5/16	Date Completed:	7/5/16
Project Number:	237612.005345.000211	Coordinate System:			
Client:	Connecticut Department Of Transportation	North:	Not Surveyed	East:	Not Surveyed
Logged By:	Zach Pedersen	Vertical Datum:		Ground Elevation:	Not Surveyed
Checked By:	Chris Lindahl				

DRILLING INFORMATION	
Drilling Contractor:	SoilTesting, Inc.
Driller(s):	Brock
Drilling Method:	Geoprobe
Equipment/Model:	Geoprobe 6610
Sampler:	Macrocore (MC)

GROUND WATER OBSERVATIONS			
MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
DATE			
DEPTH (ft.bgs.)	10		
REFERENCE	Ground Surface		
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	VOC SCREENING RESULTS (ppm)
						0 '- 0.5 ' **ASPHALT**, dry, no odor, no staining	
1, 2, 3, 4, 5	CMF-B2 (0.5-2)	MC	5.0	3.5		0.5 '- 3.5 ' Light Brown, **F-SAND**, little fine gravel, dry, no odor, no staining	
						5 '- 5.4 ' Light Brown, **F-SAND**, little fine gravel, dry, no odor, no staining	
6, 7, 8, 9, 10	CMF-B2 (8-10)	MC	5.0	2.2		5.4 '- 7.2 ' Brown, **SILT**, little fine sand, trace fine gravel, dry, no odor, no staining	
						10 '- 11.2 ' Brown, **SILT**, little fine sand, trace fine gravel, saturated, no odor, no staining	
11, 12, 13		MC	3.5	2.0		11.2 '- 12 ' Light Black, **F-C SAND**, little fine gravel, saturated, no odor, no staining	
14, 15						Refusal at 13.5 feet. Bottom of borehole at 13.5 feet.	

Notes: Soil samples collected at intervals noted above analyzed for VOCs, SVOCs, ETPH and total RCRA 8 metals.

BORING NUMBER: **CMF-B3**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Colchester Maintenance Facility	Boring Depth:	14	Hole Diameter:	2-inch
Project Location:	394 Old Hartford Road, Route 615, Colchester, CT	Date Started:	7/5/16	Date Completed:	7/5/16
Project Number:	237612.005345.000211	Coordinate System:			
Client:	Connecticut Department Of Transportation	North:	Not Surveyed	East:	Not Surveyed
Logged By:	Zach Pedersen	Vertical Datum:		Ground Elevation:	Not Surveyed
Checked By:	Chris Lindahl				

DRILLING INFORMATION		GROUND WATER OBSERVATIONS			
Drilling Contractor:	SoilTesting, Inc.	MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
Driller(s):	Brock	DATE			
Drilling Method:	Geoprobe	DEPTH (ft.bgs.)	7		
Equipment/Model:	Geoprobe 6610	REFERENCE	Ground Surface		
Sampler:	Macrocore (MC)	STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	VOC SCREENING RESULTS (ppm)
						0 '- 0.3 ' **TOPSOIL**, dry, no odor, no staining	
1						0.3 '- 1.5 ' Brown, **F-SAND**, trace fine gravel, dry, no odor, no staining	
2						1.5 '- 2 ' Brown, **F-C GRAVEL**, little fine sand, dry, no odor, no staining	
3	CMF-B3 (0.5-2)	MC	5.0	3.0		2 '- 3 ' Brown, **F-SAND**, little fine gravel, dry, no odor, no staining	
4							
5							
6						5 '- 7 ' Brown, **F-C GRAVEL**, and fine sand, dry, no odor, no staining	
7							
8	CMF-B3 (7.5-9.5)	MC	5.0	2.5		7 '- 7.5 ' Brown, **SILT**, little fine sand, saturated, no odor, no staining	
9							
10							
11						10 '- 12 ' Black, **F-SAND & SILT**, some fine gravel, saturated, no odor, no staining	
12		MC	4.0	2.0			
13							
14							
15						Refusal at 14.0 feet. Bottom of borehole at 14.0 feet.	

Notes: Soil samples collected at intervals noted above analyzed for VOCs, SVOCs, ETPH and total RCRA 8 metals.

TRC
Results you can rely on

BORING NUMBER: **CMF-B4**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Colchester Maintenance Facility	Boring Depth:	14	Hole Diameter:	2-inch
Project Location:	394 Old Hartford Road, Route 615, Colchester, CT	Date Started:	7/5/16	Date Completed:	7/5/16
Project Number:	237612.005345.000211	Coordinate System:			
Client:	Connecticut Department Of Transportation	North:	Not Surveyed	East:	Not Surveyed
Logged By:	Zach Pedersen	Vertical Datum:		Ground Elevation:	Not Surveyed
Checked By:	Chris Lindahl				

DRILLING INFORMATION		GROUND WATER OBSERVATIONS			
Drilling Contractor:	SoilTesting, Inc.	MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
Driller(s):	Brock	DATE			
Drilling Method:	Geoprobe	DEPTH (ft.bgs.)	7.5		
Equipment/Model:	Geoprobe 6610	REFERENCE	Ground Surface		
Sampler:	Macrocore (MC)	STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	VOC SCREENING RESULTS (ppm)
						0 '- 0.5 ' **ASPHALT**, dry, no odor, no staining	
1						0.5 '- 1.5 ' Brown, **F-SAND**, little fine gravel, dry, no odor, no staining	
2						1.5 '- 2.5 ' Brown, **F-C GRAVEL**, little fine sand, dry, no odor, no staining	
3	CMF-B4 (0.5-2)	MC	5.0	2.5			
4							
5						5 '- 7.5 ' Grayish Brown, **F-SAND**, some fine gravel, dry, no odor, no staining	
6							
7							
8	CMF-B4 (7.5-9.5)	MC	5.0	3.0		7.5 '- 8 ' Brown, **F-C GRAVEL**, little fine sand, saturated, no odor, no staining	
9							
10						10 '- 10.2 ' Brown, **F-C GRAVEL**, little fine sand, saturated, no odor, no staining	
11						10.2 '- 12 ' Brown, **SILT**, some fine sand, trace fine gravel, saturated, no odor, no staining	
12		MC	4.0	2.0			
13							
14							
15						Refusal at 14.0 feet. Bottom of borehole at 14.0 feet.	

VOC SCREENING RESULTS (ppm): 20 40 60 80

Notes: Soil samples collected at intervals noted above analyzed for VOCs, SVOCs, ETPH and total RCRA 8 metals.

TRC
Results you can rely on

BORING NUMBER: **CMF-B5**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Colchester Maintenance Facility	Boring Depth:	10	Hole Diameter:	2-inch
Project Location:	394 Old Hartford Road, Route 615, Colchester, CT	Date Started:	7/5/16	Date Completed:	7/5/16
Project Number:	237612.005345.000211	Coordinate System:			
Client:	Connecticut Department Of Transportation	North:	Not Surveyed	East:	Not Surveyed
Logged By:	Zach Pedersen	Vertical Datum:		Ground Elevation:	Not Surveyed
Checked By:	Chris Lindahl				

DRILLING INFORMATION		GROUND WATER OBSERVATIONS			
Drilling Contractor:	SoilTesting, Inc.	MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
Driller(s):	Brock	DATE			
Drilling Method:	Geoprobe	DEPTH (ft.bgs.)	6.8		
Equipment/Model:	Geoprobe 6610	REFERENCE	Ground Surface		
Sampler:	Macrocore (MC)	STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	VOC SCREENING RESULTS (ppm)
						0 '- 0.5 ' **ASPHALT**, dry, no odor, no staining	
						0.5 '- 1 ' Reddish Brown, **F-SAND**, little fine gravel, dry, no odor, no staining	
						1 '- 2.3 ' Brown, **F-SAND**, little fine gravel, dry, no odor, no staining	
1, 2, 3, 4, 5	CMF-B5 (0.5-2)	MC	5.0	2.3			
						5 '- 7 ' Brown, **F-SAND**, little fine gravel, moist to wet, no odor, no staining	
6, 7, 8, 9, 10	CMF-B5 (7.5-9.5)	MC	5.0	2.0			
11, 12, 13, 14, 15						Refusal at 10.0 feet. Bottom of borehole at 10.0 feet.	

VOC SCREENING RESULTS (ppm): 20, 40, 60, 80

Notes: Soil samples collected at intervals noted above analyzed for VOCs, SVOCs, ETPH and total RCRA 8 metals.

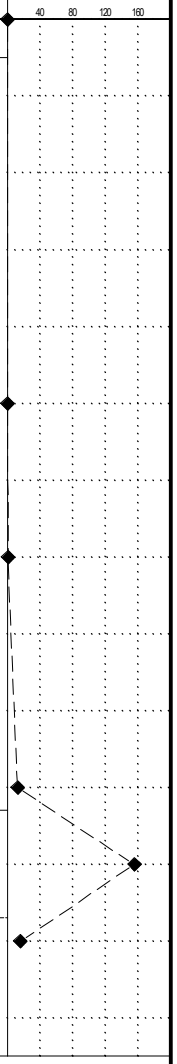
BORING NUMBER: **CMF-B6**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Colchester Maintenance Facility	Boring Depth:	13.5	Hole Diameter:	2-inch
Project Location:	394 Old Hartford Road, Route 615, Colchester, CT	Date Started:	7/5/16	Date Completed:	7/5/16
Project Number:	237612.005345.000211	Coordinate System:			
Client:	Connecticut Department Of Transportation	North:	Not Surveyed	East:	Not Surveyed
Logged By:	Zach Pedersen	Vertical Datum:		Ground Elevation:	Not Surveyed
Checked By:	Chris Lindahl				

DRILLING INFORMATION		GROUND WATER OBSERVATIONS			
Drilling Contractor:	SoilTesting, Inc.	MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
Driller(s):	Brock	DATE			
Drilling Method:	Geoprobe	DEPTH (ft.bgs.)	7		
Equipment/Model:	Geoprobe 6610	REFERENCE	Ground Surface		
Sampler:	Macrocore (MC)	STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION
						0 '- 0.5 ' **ASPHALT**, dry, no odor, no staining
						0.5 '- 2.5 ' Reddish Brown, **F-SAND**, little fine gravel, dry, no odor, no staining
1, 2, 3, 4, 5	CMF-B6 (0.5-2)	MC	5.0	2.5		
						5 '- 7.3 ' Reddish Brown, **F-SAND**, little fine gravel, moist to wet, no odor, no staining
6, 7, 8, 9, 10	CMF-B6 (7.5-9.5)	MC	5.0	2.3		
						10 '- 10.3 ' Reddish Brown, **F-SAND**, little fine gravel, saturated, no odor, no staining
						10.3 '- 11.7 ' Grayish Brown, **SILT**, saturated, petroleum odor, staining
11, 12, 13		MC	3.5	2.5		11.7 '- 12.5 ' Reddish Brown, **SILT**, little fine gravel, saturated, slight petroleum odor, slight staining
14, 15						Refusal at 13.5 feet. Bottom of borehole at 13.5 feet.

◆VOC SCREENING RESULTS (ppm)



Notes: Soil samples collected at intervals noted above analyzed for VOCs, SVOCs, ETPH and total RCRA 8 metals. Grab ground water sample (CMF-GW6) collected directly from open borehole and analyzed for VOCs, SVOCs, ETPH and total RCRA 8 metals.

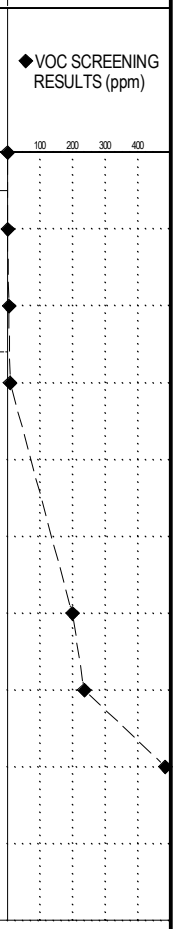
BORING NUMBER: **CMF-B7**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Colchester Maintenance Facility	Boring Depth:	10	Hole Diameter:	2-inch
Project Location:	394 Old Hartford Road, Route 615, Colchester, CT	Date Started:	7/5/16	Date Completed:	7/5/16
Project Number:	237612.005345.000211	Coordinate System:			
Client:	Connecticut Department Of Transportation	North:	Not Surveyed	East:	Not Surveyed
Logged By:	Zach Pedersen	Vertical Datum:		Ground Elevation:	Not Surveyed
Checked By:	Chris Lindahl				

DRILLING INFORMATION		GROUND WATER OBSERVATIONS			
Drilling Contractor:	SoilTesting, Inc.	MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
Driller(s):	Brock	DATE			
Drilling Method:	Geoprobe	DEPTH (ft.bgs.)	8.1		
Equipment/Model:	Geoprobe 6610	REFERENCE	Ground Surface		
Sampler:	Macrocore (MC)	STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION
						0 '- 0.5 ' **ASPHALT**, dry, no odor, no staining
						0.5 '- 2.6 ' Brown, **F-SAND**, dry, no odor, no staining
	CMF-B7 (0.5-2)	MC	5.0	3.5		2.6 '- 3.5 ' Brown, **F-SAND**, trace fine gravel, dry, slight petroluem odor, slight staining
	CMF-B7 (7.5-9.5)	MC	5.0	3.2		5 '- 8.2 ' Brown, **F-SAND**, trace fine gravel, moist to wet, strong petroleum odor, slight staining

Refusal at 10.0 feet.
Bottom of borehole at 10.0 feet.



Notes: Soil samples collected at intervals noted above analyzed for VOCs, SVOCs, ETPH and total RCRA 8 metals.

BORING NUMBER: **CMF-B8**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Colchester Maintenance Facility	Boring Depth:	10	Hole Diameter:	2-inch
Project Location:	394 Old Hartford Road, Route 615, Colchester, CT	Date Started:	7/5/16	Date Completed:	7/5/16
Project Number:	237612.005345.000211	Coordinate System:			
Client:	Connecticut Department Of Transportation	North:	Not Surveyed	East:	Not Surveyed
Logged By:	Zach Pedersen	Vertical Datum:		Ground Elevation:	Not Surveyed
Checked By:	Chris Lindahl				

DRILLING INFORMATION		GROUND WATER OBSERVATIONS			
Drilling Contractor:	SoilTesting, Inc.	MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
Driller(s):	Brock	DATE			
Drilling Method:	Geoprobe	DEPTH (ft.bgs.)	Not Observed		
Equipment/Model:	Geoprobe 6610	REFERENCE			
Sampler:	Macrocore (MC)	STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	VOC SCREENING RESULTS (ppm)
						0 '- 0.5 ' **ASPHALT**, dry, no odor, no staining	
1, 2, 3, 4, 5	CMF-B8 (0.5-2)	MC	5.0	4.0		0.5 '- 4 ' Brown, **F-SAND & SILT**, trace fine gravel, dry, no odor, no staining	
6, 7, 8, 9, 10	CMF-B8 (7.5-9.5)	MC	5.0	3.8		5 '- 8.8 ' Brown, **F-SAND & SILT**, trace fine gravel, dry, no odor, no staining	
11, 12, 13, 14, 15						Refusal at 10.0 feet. Bottom of borehole at 10.0 feet.	

Notes: Soil samples collected at intervals noted above analyzed for VOCs, SVOCs, ETPH and total RCRA 8 metals.

BORING NUMBER: **CMF-B9**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Colchester Maintenance Facility	Boring Depth:	9	Hole Diameter:	2-inch
Project Location:	394 Old Hartford Road, Route 615, Colchester, CT	Date Started:	7/5/16	Date Completed:	7/5/16
Project Number:	237612.005345.000211	Coordinate System:			
Client:	Connecticut Department Of Transportation	North:	Not Surveyed	East:	Not Surveyed
Logged By:	Zach Pedersen	Vertical Datum:		Ground Elevation:	Not Surveyed
Checked By:	Chris Lindahl				

DRILLING INFORMATION		GROUND WATER OBSERVATIONS			
Drilling Contractor:	SoilTesting, Inc.	MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
Driller(s):	Brock	DATE			
Drilling Method:	Geoprobe	DEPTH (ft.bgs.)	Not Observed		
Equipment/Model:	Geoprobe 6610	REFERENCE			
Sampler:	Macrocore (MC)	STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	VOC SCREENING RESULTS (ppm)
						0 '- 0.5 ' **ASPHALT**, dry, no odor, no staining	
1, 2, 3, 4, 5	CMF-B9 (0.5-2)	MC	5.0	3.5		0.5 '- 3.5 ' Brown, **F-SAND**, little fine gravel, dry, no odor, no staining	
6, 7, 8, 9	CMF-B9 (7-9)	MC	4.0	2.7		5 '- 7.7 ' Brown, **F-SAND**, little fine gravel, dry, no odor, no staining	
10, 11, 12, 13, 14, 15						Refusal at 9.0 feet. Bottom of borehole at 9.0 feet.	

Notes: Soil samples collected at intervals noted above analyzed for VOCs, SVOCs, ETPH and total RCRA 8 metals.

BORING NUMBER: **CMF-B10**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Colchester Maintenance Facility	Boring Depth:	10	Hole Diameter:	2-inch
Project Location:	394 Old Hartford Road, Route 615, Colchester, CT	Date Started:	7/5/16	Date Completed:	7/5/16
Project Number:	237612.005345.000211	Coordinate System:			
Client:	Connecticut Department Of Transportation	North:	Not Surveyed	East:	Not Surveyed
Logged By:	Zach Pedersen	Vertical Datum:		Ground Elevation:	Not Surveyed
Checked By:	Chris Lindahl				

DRILLING INFORMATION		GROUND WATER OBSERVATIONS			
Drilling Contractor:	SoilTesting, Inc.	MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
Driller(s):	Brock	DATE			
Drilling Method:	Geoprobe	DEPTH (ft.bgs.)	Not Observed		
Equipment/Model:	Geoprobe 6610	REFERENCE			
Sampler:	Macrocore (MC)	STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	VOC SCREENING RESULTS (ppm)
						0 '- 0.5 ' Dark Brown, **TOPSOIL**, dry, no odor, no staining	
1, 2, 3, 4, 5	CMF-B10 (0.5-2)	MC	5.0	2.8		0.5 '- 2.8 ' Brown, **F-SAND**, little fine gravel, dry, no odor, no staining	
6, 7, 8, 9, 10	CMF-B10 (8-10)	MC	5.0	2.5		5 '- 7.5 ' Brown, **F-SAND**, little fine gravel, dry, no odor, no staining	
11, 12, 13, 14, 15						Refusal at 10.0 feet. Bottom of borehole at 10.0 feet.	

Notes: Soil samples collected at intervals noted above analyzed for VOCs, SVOCs, ETPH and total RCRA 8 metals.

BORING NUMBER: **CMF-B11**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Colchester Maintenance Facility	Boring Depth:	9	Hole Diameter:	2-inch
Project Location:	394 Old Hartford Road, Route 615, Colchester, CT	Date Started:	7/5/16	Date Completed:	7/5/16
Project Number:	237612.005345.000211	Coordinate System:			
Client:	Connecticut Department Of Transportation	North:	Not Surveyed	East:	Not Surveyed
Logged By:	Zach Pedersen	Vertical Datum:		Ground Elevation:	Not Surveyed
Checked By:	Chris Lindahl				

DRILLING INFORMATION	
Drilling Contractor:	SoilTesting, Inc.
Driller(s):	Brock
Drilling Method:	Geoprobe
Equipment/Model:	Geoprobe 6610
Sampler:	Macrocore (MC)

GROUND WATER OBSERVATIONS			
MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
DATE			
DEPTH (ft.bgs.)	Not Observed		
REFERENCE			
STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	VOC SCREENING RESULTS (ppm)
						0 '- 0.5 ' **ASPHALT**, dry, no odor, no staining	
1, 2, 3, 4, 5	CMF-B11 (0.5-2)	MC	5.0	3.5		0.5 '- 3.5 ' Brown, **F-SAND**, little silt, little fine gravel, dry, no odor, no staining	
6, 7, 8, 9	CMF-B11 (7-9)	MC	4.0	1.5		5 '- 6.5 ' Brown, **F-SAND**, little silt, little fine gravel, dry, no odor, no staining	
10, 11, 12, 13, 14, 15						Refusal at 9.0 feet. Bottom of borehole at 9.0 feet.	

Notes: Soil samples collected at intervals noted above analyzed for VOCs, SVOCs, ETPH and total RCRA 8 metals.

BORING NUMBER: **CMF-B12**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Colchester Maintenance Facility	Boring Depth:	4	Hole Diameter:	2-inch
Project Location:	394 Old Hartford Road, Route 615, Colchester, CT	Date Started:	7/5/16	Date Completed:	7/5/16
Project Number:	237612.005345.000211	Coordinate System:			
Client:	Connecticut Department Of Transportation	North:	Not Surveyed	East:	Not Surveyed
Logged By:	Zach Pedersen	Vertical Datum:		Ground Elevation:	Not Surveyed
Checked By:	Chris Lindahl				

DRILLING INFORMATION		GROUND WATER OBSERVATIONS			
Drilling Contractor:	SoilTesting, Inc.	MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
Driller(s):	Brock	DATE			
Drilling Method:	Geoprobe	DEPTH (ft.bgs.)	Not Observed		
Equipment/Model:	Geoprobe 6610	REFERENCE			
Sampler:	Macrocore (MC)	STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	VOC SCREENING RESULTS (ppm)
						0 '- 0.5 ' **ASPHALT**, dry, no odor, no staining	
						0.5 '- 3.5 ' Brown, **F-SAND**, little silt, little fine gravel, dry, no odor, no staining	
1							
2	CMF-B12 (0.5-2)	MC	4.0	3.5			
3							
4							
						Bottom of borehole at 4.0 feet.	
5							

Notes: Soil sample collected at interval noted above analyzed for VOCs, SVOCs, ETPH and total RCRA 8 metals.

BORING NUMBER: **CMF-B13**

PROJECT INFORMATION		BORING INFORMATION			
Project Name:	Colchester Maintenance Facility	Boring Depth:	4	Hole Diameter:	2-inch
Project Location:	394 Old Hartford Road, Route 615, Colchester, CT	Date Started:	7/5/16	Date Completed:	7/5/16
Project Number:	237612.005345.000211	Coordinate System:			
Client:	Connecticut Department Of Transportation	North:	Not Surveyed	East:	Not Surveyed
Logged By:	Zach Pedersen	Vertical Datum:		Ground Elevation:	Not Surveyed
Checked By:	Chris Lindahl				

DRILLING INFORMATION		GROUND WATER OBSERVATIONS			
Drilling Contractor:	SoilTesting, Inc.	MEASUREMENT	At Time of Drilling	At End of Drilling	After Drilling
Driller(s):	Brock	DATE			
Drilling Method:	Geoprobe	DEPTH (ft.bgs.)	Not Observed		
Equipment/Model:	Geoprobe 6610	REFERENCE			
Sampler:	Macrocore (MC)	STABILIZATION			

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE TYPE	PENETRATION (FT.)	RECOVERY (FT.)	LITHOLOGY	MATERIAL DESCRIPTION	VOC SCREENING RESULTS (ppm)
						0 '- 0.5 ' **ASPHALT**, dry, no odor, no staining	
						0.5 '- 2.8 ' Brown, **F-SAND**, little silt, little fine gravel, dry, no odor, no staining	
1							
2	CMF-B13 (0.5-2)	MC	4.0	2.8			
3							
4							
						Bottom of borehole at 4.0 feet.	
5							

Notes: Soil sample collected at interval noted above analyzed for VOCs, SVOCs, ETPH and total RCRA 8 metals.

APPENDIX B

LABORATORY ANALYTICAL REPORT

PHOENIX
Environmental Laboratories, Inc.

Tuesday, July 12, 2016

Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Project ID: COLCHESTER MAINTENANCE FACILITY
Sample ID#s: BN66858 - BN66887

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

July 12, 2016

SDG I.D.: GBN66858

Volatile 8260 analysis:
The reporting level for Acrylonitrile is above the GWP criteria.
1,2-Dibromoethane does not meet GWP criteria, this compound is analyzed by GC/ECD to achieve this criteria.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	8:45
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66858

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B1 (.5-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.33	0.33	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	1.78	0.66	mg/Kg	1	07/06/16	EK	SW6010C
Barium	32.4	0.33	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.33	0.33	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	15.3	0.33	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	07/06/16	MA	SW7471B
Lead	1.88	0.33	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	< 1.3	1.3	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	94		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	G/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	52	mg/Kg	1	07/07/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/07/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	70		%	1	07/07/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0029	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B1 (.5-2)

Phoenix I.D.: BN66858

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
2-Chlorotoluene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
2-Hexanone	ND	0.024	mg/Kg	1	07/05/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
4-Chlorotoluene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.024	mg/Kg	1	07/05/16	JLI	SW8260C
Acetone	ND	0.24	mg/Kg	1	07/05/16	JLI	SW8260C
Acrylonitrile	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Benzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Bromobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Bromochloromethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Bromodichloromethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Bromoform	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Bromomethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon Disulfide	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon tetrachloride	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Chlorobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroform	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Chloromethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromochloromethane	ND	0.0029	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromomethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Ethylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Isopropylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
m&p-Xylene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.029	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.0097	mg/Kg	1	07/05/16	JLI	SW8260C
Methylene chloride	ND	0.0097	mg/Kg	1	07/05/16	JLI	SW8260C
Naphthalene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
n-Butylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
n-Propylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
sec-Butylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Styrene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
tert-Butylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrachloroethene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.0097	mg/Kg	1	07/05/16	JLI	SW8260C
Toluene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Total Xylenes	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.0097	mg/Kg	1	07/05/16	JLI	SW8260C
Trichloroethene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Vinyl chloride	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	1	07/05/16	JLI	70 - 130 %
% Bromofluorobenzene	98		%	1	07/05/16	JLI	70 - 130 %
% Dibromofluoromethane	104		%	1	07/05/16	JLI	70 - 130 %
% Toluene-d8	100		%	1	07/05/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B1 (.5-2)

Phoenix I.D.: BN66858

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.55	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.69	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	78		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	63		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY

Client ID: CMF-B1 (.5-2)

Phoenix I.D.: BN66858

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	60		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	75		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	72		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	69		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 12, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	8:55
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66859

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B1 (10-12)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.40	0.40	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	2.25	0.80	mg/Kg	1	07/06/16	EK	SW6010C
Barium	95.7	0.40	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.40	0.40	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	31.4	0.40	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	07/06/16	MA	SW7471B
Lead	1.45	0.40	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	< 1.6	1.6	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	86		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	G/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	58	mg/Kg	1	07/07/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/07/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	78		%	1	07/07/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0026	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B1 (10-12)

Phoenix I.D.: BN66859

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
2-Chlorotoluene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
2-Hexanone	ND	0.022	mg/Kg	1	07/05/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
4-Chlorotoluene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.022	mg/Kg	1	07/05/16	JLI	SW8260C
Acetone	ND	0.22	mg/Kg	1	07/05/16	JLI	SW8260C
Acrylonitrile	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Benzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Bromobenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Bromochloromethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Bromodichloromethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Bromoform	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Bromomethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon Disulfide	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon tetrachloride	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Chlorobenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroform	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Chloromethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromochloromethane	ND	0.0026	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromomethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Ethylbenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Isopropylbenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
m&p-Xylene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.026	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.0087	mg/Kg	1	07/05/16	JLI	SW8260C
Methylene chloride	ND	0.0087	mg/Kg	1	07/05/16	JLI	SW8260C
Naphthalene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
n-Butylbenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
n-Propylbenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
sec-Butylbenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Styrene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
tert-Butylbenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrachloroethene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.0087	mg/Kg	1	07/05/16	JLI	SW8260C
Toluene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Total Xylenes	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.0087	mg/Kg	1	07/05/16	JLI	SW8260C
Trichloroethene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Vinyl chloride	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	1	07/05/16	JLI	70 - 130 %
% Bromofluorobenzene	99		%	1	07/05/16	JLI	70 - 130 %
% Dibromofluoromethane	103		%	1	07/05/16	JLI	70 - 130 %
% Toluene-d8	98		%	1	07/05/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B1 (10-12)

Phoenix I.D.: BN66859

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.61	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.76	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	70		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	61		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY

Client ID: CMF-B1 (10-12)

Phoenix I.D.: BN66859

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	56		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	67		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	64		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	61		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

July 12, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	9:10
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66860

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B2 (.5-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	3.14	0.70	mg/Kg	1	07/06/16	EK	SW6010C
Barium	49.1	0.35	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.35	0.35	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	16.9	0.35	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	07/06/16	MA	SW7471B
Lead	1.36	0.35	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	< 1.4	1.4	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	94		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	G/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	52	mg/Kg	1	07/07/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/07/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	69		%	1	07/07/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0029	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B2 (.5-2)

Phoenix I.D.: BN66860

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
2-Chlorotoluene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
2-Hexanone	ND	0.024	mg/Kg	1	07/05/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
4-Chlorotoluene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.024	mg/Kg	1	07/05/16	JLI	SW8260C
Acetone	ND	0.24	mg/Kg	1	07/05/16	JLI	SW8260C
Acrylonitrile	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Benzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Bromobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Bromochloromethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Bromodichloromethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Bromoform	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Bromomethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon Disulfide	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon tetrachloride	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Chlorobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroform	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Chloromethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromochloromethane	ND	0.0029	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromomethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Ethylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Isopropylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
m&p-Xylene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.029	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.0096	mg/Kg	1	07/05/16	JLI	SW8260C
Methylene chloride	ND	0.0096	mg/Kg	1	07/05/16	JLI	SW8260C
Naphthalene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
n-Butylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
n-Propylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
sec-Butylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Styrene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
tert-Butylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrachloroethene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.0096	mg/Kg	1	07/05/16	JLI	SW8260C
Toluene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Total Xylenes	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.0096	mg/Kg	1	07/05/16	JLI	SW8260C
Trichloroethene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Vinyl chloride	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	1	07/05/16	JLI	70 - 130 %
% Bromofluorobenzene	97		%	1	07/05/16	JLI	70 - 130 %
% Dibromofluoromethane	108		%	1	07/05/16	JLI	70 - 130 %
% Toluene-d8	98		%	1	07/05/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B2 (.5-2)

Phoenix I.D.: BN66860

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.56	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.71	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	84		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	68		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY

Client ID: CMF-B2 (.5-2)

Phoenix I.D.: BN66860

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	61		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	75		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	72		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	67		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 12, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	9:15
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66861

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B2 (8-10)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	3.29	0.71	mg/Kg	1	07/06/16	EK	SW6010C
Barium	118	0.35	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.35	0.35	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	37.7	0.35	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	07/06/16	MA	SW7471B
Lead	2.48	0.35	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	< 1.4	1.4	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	87		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	G/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	56	mg/Kg	1	07/07/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/07/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	68		%	1	07/07/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.003	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B2 (8-10)

Phoenix I.D.: BN66861

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
2-Chlorotoluene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
2-Hexanone	ND	0.025	mg/Kg	1	07/05/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
4-Chlorotoluene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.025	mg/Kg	1	07/05/16	JLI	SW8260C
Acetone	ND	0.25	mg/Kg	1	07/05/16	JLI	SW8260C
Acrylonitrile	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Benzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Bromobenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Bromochloromethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Bromodichloromethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Bromoform	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Bromomethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon Disulfide	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon tetrachloride	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Chlorobenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroform	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Chloromethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromochloromethane	ND	0.003	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromomethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Ethylbenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Isopropylbenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
m&p-Xylene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.03	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.0099	mg/Kg	1	07/05/16	JLI	SW8260C
Methylene chloride	ND	0.0099	mg/Kg	1	07/05/16	JLI	SW8260C
Naphthalene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
n-Butylbenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
n-Propylbenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B2 (8-10)

Phoenix I.D.: BN66861

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
sec-Butylbenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Styrene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
tert-Butylbenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrachloroethene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.0099	mg/Kg	1	07/05/16	JLI	SW8260C
Toluene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Total Xylenes	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.0099	mg/Kg	1	07/05/16	JLI	SW8260C
Trichloroethene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Vinyl chloride	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104		%	1	07/05/16	JLI	70 - 130 %
% Bromofluorobenzene	94		%	1	07/05/16	JLI	70 - 130 %
% Dibromofluoromethane	104		%	1	07/05/16	JLI	70 - 130 %
% Toluene-d8	102		%	1	07/05/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B2 (8-10)

Phoenix I.D.: BN66861

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.61	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.76	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	79		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	65		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY

Client ID: CMF-B2 (8-10)

Phoenix I.D.: BN66861

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	59		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	71		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	69		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	68		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 12, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	9:40
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66862

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B3 (.5-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.31	0.31	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	2.53	0.62	mg/Kg	1	07/06/16	EK	SW6010C
Barium	40.4	0.31	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.31	0.31	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	22.1	0.31	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	07/06/16	MA	SW7471B
Lead	7.49	0.31	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	< 1.2	1.2	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	95		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	G/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	51	mg/Kg	1	07/08/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/08/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	70		%	1	07/08/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0021	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B3 (.5-2)

Phoenix I.D.: BN66862

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
2-Chlorotoluene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
2-Hexanone	ND	0.018	mg/Kg	1	07/05/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
4-Chlorotoluene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.018	mg/Kg	1	07/05/16	JLI	SW8260C
Acetone	ND	0.18	mg/Kg	1	07/05/16	JLI	SW8260C
Acrylonitrile	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Benzene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Bromobenzene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Bromochloromethane	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Bromodichloromethane	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Bromoform	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Bromomethane	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon Disulfide	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon tetrachloride	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Chlorobenzene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroethane	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroform	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Chloromethane	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromochloromethane	ND	0.0021	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromomethane	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Ethylbenzene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Isopropylbenzene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
m&p-Xylene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.021	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.0071	mg/Kg	1	07/05/16	JLI	SW8260C
Methylene chloride	ND	0.0071	mg/Kg	1	07/05/16	JLI	SW8260C
Naphthalene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
n-Butylbenzene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
n-Propylbenzene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
sec-Butylbenzene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Styrene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
tert-Butylbenzene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrachloroethene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.0071	mg/Kg	1	07/05/16	JLI	SW8260C
Toluene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Total Xylenes	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.0071	mg/Kg	1	07/05/16	JLI	SW8260C
Trichloroethene	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
Vinyl chloride	ND	0.0035	mg/Kg	1	07/05/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	1	07/05/16	JLI	70 - 130 %
% Bromofluorobenzene	92		%	1	07/05/16	JLI	70 - 130 %
% Dibromofluoromethane	102		%	1	07/05/16	JLI	70 - 130 %
% Toluene-d8	98		%	1	07/05/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B3 (.5-2)

Phoenix I.D.: BN66862

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.55	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.69	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	83		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	71		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY

Client ID: CMF-B3 (.5-2)

Phoenix I.D.: BN66862

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	56		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	72		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	68		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	70		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

July 12, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	9:45
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66863

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B3 (7.5-9.5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.32	0.32	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	4.21	0.64	mg/Kg	1	07/06/16	EK	SW6010C
Barium	108	0.32	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.32	0.32	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	26.9	0.32	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.02	0.02	mg/Kg	1	07/06/16	MA	SW7471B
Lead	2.27	0.32	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	< 1.3	1.3	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	97		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	X/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	52	mg/Kg	1	07/08/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/08/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	67		%	1	07/08/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0031	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B3 (7.5-9.5)

Phoenix I.D.: BN66863

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
2-Chlorotoluene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
2-Hexanone	ND	0.026	mg/Kg	1	07/05/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
4-Chlorotoluene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.026	mg/Kg	1	07/05/16	JLI	SW8260C
Acetone	ND	0.26	mg/Kg	1	07/05/16	JLI	SW8260C
Acrylonitrile	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Benzene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Bromobenzene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Bromochloromethane	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Bromodichloromethane	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Bromoform	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Bromomethane	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon Disulfide	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon tetrachloride	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Chlorobenzene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroethane	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroform	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Chloromethane	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromochloromethane	ND	0.0031	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromomethane	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Ethylbenzene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Isopropylbenzene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
m&p-Xylene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.031	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.01	mg/Kg	1	07/05/16	JLI	SW8260C
Methylene chloride	ND	0.01	mg/Kg	1	07/05/16	JLI	SW8260C
Naphthalene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
n-Butylbenzene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
n-Propylbenzene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B3 (7.5-9.5)

Phoenix I.D.: BN66863

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
sec-Butylbenzene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Styrene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
tert-Butylbenzene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrachloroethene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.01	mg/Kg	1	07/05/16	JLI	SW8260C
Toluene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Total Xylenes	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.01	mg/Kg	1	07/05/16	JLI	SW8260C
Trichloroethene	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
Vinyl chloride	ND	0.0051	mg/Kg	1	07/05/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	07/05/16	JLI	70 - 130 %
% Bromofluorobenzene	98		%	1	07/05/16	JLI	70 - 130 %
% Dibromofluoromethane	104		%	1	07/05/16	JLI	70 - 130 %
% Toluene-d8	97		%	1	07/05/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B3 (7.5-9.5)

Phoenix I.D.: BN66863

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.54	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.68	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	58		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	52		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY

Client ID: CMF-B3 (7.5-9.5)

Phoenix I.D.: BN66863

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	46		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	52		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	55		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	54		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

July 12, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	10:05
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66864

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B4 (.5-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.32	0.32	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	2.94	0.64	mg/Kg	1	07/06/16	EK	SW6010C
Barium	94.9	0.32	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.32	0.32	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	25.5	0.32	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	07/06/16	MA	SW7471B
Lead	2.91	0.32	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	< 1.3	1.3	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	97		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	X/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	51	mg/Kg	1	07/08/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/08/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	74		%	1	07/08/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0029	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B4 (.5-2)

Phoenix I.D.: BN66864

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
2-Chlorotoluene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
2-Hexanone	ND	0.024	mg/Kg	1	07/05/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
4-Chlorotoluene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.024	mg/Kg	1	07/05/16	JLI	SW8260C
Acetone	ND	0.24	mg/Kg	1	07/05/16	JLI	SW8260C
Acrylonitrile	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Benzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Bromobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Bromochloromethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Bromodichloromethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Bromoform	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Bromomethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon Disulfide	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon tetrachloride	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Chlorobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroform	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Chloromethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromochloromethane	ND	0.0029	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromomethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Ethylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Isopropylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
m&p-Xylene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.029	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.0096	mg/Kg	1	07/05/16	JLI	SW8260C
Methylene chloride	ND	0.0096	mg/Kg	1	07/05/16	JLI	SW8260C
Naphthalene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
n-Butylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
n-Propylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
sec-Butylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Styrene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
tert-Butylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrachloroethene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.0096	mg/Kg	1	07/05/16	JLI	SW8260C
Toluene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Total Xylenes	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.0096	mg/Kg	1	07/05/16	JLI	SW8260C
Trichloroethene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Vinyl chloride	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	1	07/05/16	JLI	70 - 130 %
% Bromofluorobenzene	94		%	1	07/05/16	JLI	70 - 130 %
% Dibromofluoromethane	99		%	1	07/05/16	JLI	70 - 130 %
% Toluene-d8	99		%	1	07/05/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B4 (.5-2)

Phoenix I.D.: BN66864

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.55	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.68	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	48		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	46		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY

Client ID: CMF-B4 (.5-2)

Phoenix I.D.: BN66864

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	42		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	48		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	49		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	43		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 12, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	10:10
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66865

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B4 (7.5-9.5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.31	0.31	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	1.92	0.61	mg/Kg	1	07/06/16	EK	SW6010C
Barium	139	0.31	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.31	0.31	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	29.9	0.31	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	07/06/16	MA	SW7471B
Lead	0.39	0.31	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	2.2	1.2	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	98		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	X/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	51	mg/Kg	1	07/07/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/07/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	71		%	1	07/07/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.002	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B4 (7.5-9.5)

Phoenix I.D.: BN66865

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
2-Chlorotoluene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
2-Hexanone	ND	0.016	mg/Kg	1	07/05/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
4-Chlorotoluene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.016	mg/Kg	1	07/05/16	JLI	SW8260C
Acetone	ND	0.16	mg/Kg	1	07/05/16	JLI	SW8260C
Acrylonitrile	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Benzene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Bromobenzene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Bromochloromethane	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Bromodichloromethane	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Bromoform	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Bromomethane	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon Disulfide	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon tetrachloride	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Chlorobenzene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroethane	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroform	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Chloromethane	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromochloromethane	ND	0.002	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromomethane	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Ethylbenzene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Isopropylbenzene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
m&p-Xylene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.02	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.0065	mg/Kg	1	07/05/16	JLI	SW8260C
Methylene chloride	ND	0.0065	mg/Kg	1	07/05/16	JLI	SW8260C
Naphthalene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
n-Butylbenzene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
n-Propylbenzene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B4 (7.5-9.5)

Phoenix I.D.: BN66865

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
sec-Butylbenzene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Styrene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
tert-Butylbenzene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrachloroethene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.0065	mg/Kg	1	07/05/16	JLI	SW8260C
Toluene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Total Xylenes	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.0065	mg/Kg	1	07/05/16	JLI	SW8260C
Trichloroethene	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Vinyl chloride	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	1	07/05/16	JLI	70 - 130 %
% Bromofluorobenzene	97		%	1	07/05/16	JLI	70 - 130 %
% Dibromofluoromethane	102		%	1	07/05/16	JLI	70 - 130 %
% Toluene-d8	99		%	1	07/05/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B4 (7.5-9.5)

Phoenix I.D.: BN66865

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.54	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.68	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	65		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	63		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY

Client ID: CMF-B4 (7.5-9.5)

Phoenix I.D.: BN66865

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	56		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	64		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	66		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	66		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

July 12, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	10:25
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66866

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B5 (.5-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.33	0.33	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	4.33	0.66	mg/Kg	1	07/06/16	EK	SW6010C
Barium	100	0.33	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.33	0.33	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	28.1	0.33	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	07/06/16	MA	SW7471B
Lead	3.53	0.33	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	< 1.3	1.3	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	94		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	X/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	53	mg/Kg	1	07/06/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/06/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	76		%	1	07/06/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0029	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B5 (.5-2)

Phoenix I.D.: BN66866

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
2-Chlorotoluene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
2-Hexanone	ND	0.024	mg/Kg	1	07/05/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
4-Chlorotoluene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.024	mg/Kg	1	07/05/16	JLI	SW8260C
Acetone	ND	0.24	mg/Kg	1	07/05/16	JLI	SW8260C
Acrylonitrile	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Benzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Bromobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Bromochloromethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Bromodichloromethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Bromoform	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Bromomethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon Disulfide	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon tetrachloride	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Chlorobenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroform	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Chloromethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromochloromethane	ND	0.0029	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromomethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Ethylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Isopropylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
m&p-Xylene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.029	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.0096	mg/Kg	1	07/05/16	JLI	SW8260C
Methylene chloride	ND	0.0096	mg/Kg	1	07/05/16	JLI	SW8260C
Naphthalene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
n-Butylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
n-Propylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
sec-Butylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Styrene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
tert-Butylbenzene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrachloroethene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.0096	mg/Kg	1	07/05/16	JLI	SW8260C
Toluene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Total Xylenes	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.0096	mg/Kg	1	07/05/16	JLI	SW8260C
Trichloroethene	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
Vinyl chloride	ND	0.0048	mg/Kg	1	07/05/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	1	07/05/16	JLI	70 - 130 %
% Bromofluorobenzene	97		%	1	07/05/16	JLI	70 - 130 %
% Dibromofluoromethane	105		%	1	07/05/16	JLI	70 - 130 %
% Toluene-d8	99		%	1	07/05/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B5 (.5-2)

Phoenix I.D.: BN66866

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.56	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.7	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	39		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	35		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY

Client ID: CMF-B5 (.5-2)

Phoenix I.D.: BN66866

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	31		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	35		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	36		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	35		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 12, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	10:39
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66867

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B5 (7.5-9.5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.33	0.33	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	3.78	0.66	mg/Kg	1	07/06/16	EK	SW6010C
Barium	53.3	0.33	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.33	0.33	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	18.4	0.33	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	07/06/16	MA	SW7471B
Lead	2.49	0.33	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	< 1.3	1.3	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	94		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	X/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	260	mg/Kg	5	07/07/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	5	07/07/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	79		%	5	07/07/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B5 (7.5-9.5)

Phoenix I.D.: BN66867

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
2-Chlorotoluene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
2-Hexanone	ND	0.028	mg/Kg	1	07/05/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
4-Chlorotoluene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.028	mg/Kg	1	07/05/16	JLI	SW8260C
Acetone	ND	0.28	mg/Kg	1	07/05/16	JLI	SW8260C
Acrylonitrile	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Benzene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Bromobenzene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Bromochloromethane	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Bromodichloromethane	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Bromoform	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Bromomethane	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon Disulfide	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon tetrachloride	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Chlorobenzene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroethane	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroform	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Chloromethane	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromochloromethane	ND	0.0033	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromomethane	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Ethylbenzene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Isopropylbenzene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
m&p-Xylene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.033	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	07/05/16	JLI	SW8260C
Methylene chloride	ND	0.011	mg/Kg	1	07/05/16	JLI	SW8260C
Naphthalene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
n-Butylbenzene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
n-Propylbenzene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B5 (7.5-9.5)

Phoenix I.D.: BN66867

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
sec-Butylbenzene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Styrene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
tert-Butylbenzene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrachloroethene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	07/05/16	JLI	SW8260C
Toluene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Total Xylenes	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.011	mg/Kg	1	07/05/16	JLI	SW8260C
Trichloroethene	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
Vinyl chloride	ND	0.0055	mg/Kg	1	07/05/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	1	07/05/16	JLI	70 - 130 %
% Bromofluorobenzene	97		%	1	07/05/16	JLI	70 - 130 %
% Dibromofluoromethane	100		%	1	07/05/16	JLI	70 - 130 %
% Toluene-d8	100		%	1	07/05/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B5 (7.5-9.5)

Phoenix I.D.: BN66867

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.56	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.7	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	79		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	67		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY

Client ID: CMF-B5 (7.5-9.5)

Phoenix I.D.: BN66867

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	59		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	69		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	71		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	70		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

July 12, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	10:50
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66868

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B6 (.5-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.33	0.33	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	7.83	0.67	mg/Kg	1	07/06/16	EK	SW6010C
Barium	50.5	0.33	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.33	0.33	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	18.1	0.33	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	07/06/16	MA	SW7471B
Lead	2.47	0.33	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	< 1.3	1.3	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	96		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	X/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	52	mg/Kg	1	07/06/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/06/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	72		%	1	07/06/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0027	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B6 (.5-2)

Phoenix I.D.: BN66868

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
2-Chlorotoluene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
2-Hexanone	ND	0.022	mg/Kg	1	07/05/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
4-Chlorotoluene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.022	mg/Kg	1	07/05/16	JLI	SW8260C
Acetone	ND	0.22	mg/Kg	1	07/05/16	JLI	SW8260C
Acrylonitrile	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Benzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Bromobenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Bromochloromethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Bromodichloromethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Bromoform	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Bromomethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon Disulfide	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon tetrachloride	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Chlorobenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroform	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Chloromethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromochloromethane	ND	0.0027	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromomethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Ethylbenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Isopropylbenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
m&p-Xylene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.027	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.0089	mg/Kg	1	07/05/16	JLI	SW8260C
Methylene chloride	ND	0.0089	mg/Kg	1	07/05/16	JLI	SW8260C
Naphthalene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
n-Butylbenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
n-Propylbenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
sec-Butylbenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Styrene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
tert-Butylbenzene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrachloroethene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.0089	mg/Kg	1	07/05/16	JLI	SW8260C
Toluene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Total Xylenes	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.0089	mg/Kg	1	07/05/16	JLI	SW8260C
Trichloroethene	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
Vinyl chloride	ND	0.0044	mg/Kg	1	07/05/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	1	07/05/16	JLI	70 - 130 %
% Bromofluorobenzene	97		%	1	07/05/16	JLI	70 - 130 %
% Dibromofluoromethane	100		%	1	07/05/16	JLI	70 - 130 %
% Toluene-d8	98		%	1	07/05/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B6 (.5-2)

Phoenix I.D.: BN66868

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.55	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.68	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.24	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.34	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	64		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	60		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY

Client ID: CMF-B6 (.5-2)

Phoenix I.D.: BN66868

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	53		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	61		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	63		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	61		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

July 12, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	10:55
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66869

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B6 (7.5-9.5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	2.01	0.75	mg/Kg	1	07/06/16	EK	SW6010C
Barium	206	0.37	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.37	0.37	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	37.1	0.37	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	07/06/16	MA/RS	SW7471B
Lead	4.38	0.37	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	89		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	X/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	56	mg/Kg	1	07/07/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/07/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	79		%	1	07/07/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0031	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B6 (7.5-9.5)

Phoenix I.D.: BN66869

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
2-Chlorotoluene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
2-Hexanone	ND	0.026	mg/Kg	1	07/05/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
4-Chlorotoluene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.026	mg/Kg	1	07/05/16	JLI	SW8260C
Acetone	ND	0.26	mg/Kg	1	07/05/16	JLI	SW8260C
Acrylonitrile	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Benzene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Bromobenzene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Bromochloromethane	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Bromodichloromethane	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Bromoform	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Bromomethane	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon Disulfide	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon tetrachloride	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Chlorobenzene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroethane	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroform	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Chloromethane	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromochloromethane	ND	0.0031	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromomethane	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Ethylbenzene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Isopropylbenzene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
m&p-Xylene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.031	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.01	mg/Kg	1	07/05/16	JLI	SW8260C
Methylene chloride	ND	0.01	mg/Kg	1	07/05/16	JLI	SW8260C
Naphthalene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
n-Butylbenzene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
n-Propylbenzene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B6 (7.5-9.5)

Phoenix I.D.: BN66869

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
sec-Butylbenzene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Styrene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
tert-Butylbenzene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrachloroethene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.01	mg/Kg	1	07/05/16	JLI	SW8260C
Toluene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Total Xylenes	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.01	mg/Kg	1	07/05/16	JLI	SW8260C
Trichloroethene	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
Vinyl chloride	ND	0.0052	mg/Kg	1	07/05/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	07/05/16	JLI	70 - 130 %
% Bromofluorobenzene	95		%	1	07/05/16	JLI	70 - 130 %
% Dibromofluoromethane	101		%	1	07/05/16	JLI	70 - 130 %
% Toluene-d8	95		%	1	07/05/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B6 (7.5-9.5)

Phoenix I.D.: BN66869

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.59	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.73	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	75		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	62		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY

Client ID: CMF-B6 (7.5-9.5)

Phoenix I.D.: BN66869

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	57		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	65		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	65		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	63		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

July 12, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	11:00
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66870

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B16 (7.5-9.5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	2.12	0.72	mg/Kg	1	07/06/16	EK	SW6010C
Barium	169	0.36	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.36	0.36	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	41.6	0.36	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	07/06/16	MA/RS	SW7471B
Lead	4.21	0.36	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	< 1.4	1.4	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	89		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	X/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	55	mg/Kg	1	07/06/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/06/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	58		%	1	07/06/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0029	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B16 (7.5-9.5)

Phoenix I.D.: BN66870

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
2-Chlorotoluene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
2-Hexanone	ND	0.024	mg/Kg	1	07/05/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
4-Chlorotoluene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.024	mg/Kg	1	07/05/16	JLI	SW8260C
Acetone	ND	0.24	mg/Kg	1	07/05/16	JLI	SW8260C
Acrylonitrile	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Benzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Bromobenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Bromochloromethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Bromodichloromethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Bromoform	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Bromomethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon Disulfide	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon tetrachloride	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Chlorobenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroform	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Chloromethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromochloromethane	ND	0.0029	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromomethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Ethylbenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Isopropylbenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
m&p-Xylene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.029	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.0098	mg/Kg	1	07/05/16	JLI	SW8260C
Methylene chloride	ND	0.0098	mg/Kg	1	07/05/16	JLI	SW8260C
Naphthalene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
n-Butylbenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
n-Propylbenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
sec-Butylbenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Styrene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
tert-Butylbenzene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrachloroethene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.0098	mg/Kg	1	07/05/16	JLI	SW8260C
Toluene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Total Xylenes	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.0098	mg/Kg	1	07/05/16	JLI	SW8260C
Trichloroethene	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
Vinyl chloride	ND	0.0049	mg/Kg	1	07/05/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	1	07/05/16	JLI	70 - 130 %
% Bromofluorobenzene	96		%	1	07/05/16	JLI	70 - 130 %
% Dibromofluoromethane	101		%	1	07/05/16	JLI	70 - 130 %
% Toluene-d8	100		%	1	07/05/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B16 (7.5-9.5)

Phoenix I.D.: BN66870

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.6	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.74	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	61		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	64		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY

Client ID: CMF-B16 (7.5-9.5)

Phoenix I.D.: BN66870

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	54		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	65		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	65		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	64		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

July 12, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	11:35
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66871

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B7 (.5-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	3.34	0.73	mg/Kg	1	07/06/16	EK	SW6010C
Barium	95.4	0.36	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.36	0.36	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	32.8	0.36	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	07/06/16	MA/RS	SW7471B
Lead	2.22	0.36	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	94		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	X/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	52	mg/Kg	1	07/08/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/08/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	67		%	1	07/08/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0028	mg/Kg	1	07/05/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B7 (.5-2)

Phoenix I.D.: BN66871

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
2-Chlorotoluene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
2-Hexanone	ND	0.024	mg/Kg	1	07/05/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
4-Chlorotoluene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.024	mg/Kg	1	07/05/16	JLI	SW8260C
Acetone	ND	0.24	mg/Kg	1	07/05/16	JLI	SW8260C
Acrylonitrile	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Benzene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Bromobenzene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Bromochloromethane	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Bromodichloromethane	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Bromoform	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Bromomethane	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon Disulfide	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Carbon tetrachloride	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Chlorobenzene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroethane	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Chloroform	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Chloromethane	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromochloromethane	ND	0.0028	mg/Kg	1	07/05/16	JLI	SW8260C
Dibromomethane	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Ethylbenzene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Isopropylbenzene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
m&p-Xylene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.028	mg/Kg	1	07/05/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.0095	mg/Kg	1	07/05/16	JLI	SW8260C
Methylene chloride	ND	0.0095	mg/Kg	1	07/05/16	JLI	SW8260C
Naphthalene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
n-Butylbenzene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
n-Propylbenzene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
sec-Butylbenzene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Styrene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
tert-Butylbenzene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrachloroethene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.0095	mg/Kg	1	07/05/16	JLI	SW8260C
Toluene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Total Xylenes	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.0095	mg/Kg	1	07/05/16	JLI	SW8260C
Trichloroethene	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
Vinyl chloride	ND	0.0047	mg/Kg	1	07/05/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	1	07/05/16	JLI	70 - 130 %
% Bromofluorobenzene	94		%	1	07/05/16	JLI	70 - 130 %
% Dibromofluoromethane	97		%	1	07/05/16	JLI	70 - 130 %
% Toluene-d8	100		%	1	07/05/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B7 (.5-2)

Phoenix I.D.: BN66871

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.56	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.7	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.35	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	75		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	64		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY

Client ID: CMF-B7 (.5-2)

Phoenix I.D.: BN66871

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	56		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	63		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	66		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	67		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

July 12, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	11:40
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66872

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B7 (7.5-9.5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.40	0.40	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	1.57	0.80	mg/Kg	1	07/06/16	EK	SW6010C
Barium	115	0.40	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.40	0.40	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	44.8	0.40	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	07/06/16	MA/RS	SW7471B
Lead	4.05	0.40	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	< 1.6	1.6	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	86		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	X/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	200	57	mg/Kg	1	07/06/16	JRB	CTETPH 8015D
Identification	**		mg/Kg	1	07/06/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	80		%	1	07/06/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.87	mg/Kg	250	07/06/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
1,1-Dichloroethane	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
1,1-Dichloroethene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B7 (7.5-9.5)

Phoenix I.D.: BN66872

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
1,2,4-Trimethylbenzene	3.3	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
1,2-Dibromoethane	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
1,2-Dichloroethane	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
1,2-Dichloropropane	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
1,3,5-Trimethylbenzene	12	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
1,3-Dichloropropane	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
2,2-Dichloropropane	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
2-Chlorotoluene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
2-Hexanone	ND	7.2	mg/Kg	250	07/06/16	JLI	SW8260C
2-Isopropyltoluene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
4-Chlorotoluene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	7.2	mg/Kg	250	07/06/16	JLI	SW8260C
Acetone	ND	72	mg/Kg	250	07/06/16	JLI	SW8260C
Acrylonitrile	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
Benzene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
Bromobenzene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
Bromochloromethane	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
Bromodichloromethane	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
Bromoform	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
Bromomethane	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
Carbon Disulfide	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
Carbon tetrachloride	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
Chlorobenzene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
Chloroethane	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
Chloroform	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
Chloromethane	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
Dibromochloromethane	ND	0.87	mg/Kg	250	07/06/16	JLI	SW8260C
Dibromomethane	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
Dichlorodifluoromethane	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
Ethylbenzene	0.7	0.5	mg/Kg	250	07/06/16	JLI	SW8260C
Hexachlorobutadiene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
Isopropylbenzene	1.9	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
m&p-Xylene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	8.7	mg/Kg	250	07/06/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	2.9	mg/Kg	250	07/06/16	JLI	SW8260C
Methylene chloride	ND	2.9	mg/Kg	250	07/06/16	JLI	SW8260C
Naphthalene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
n-Butylbenzene	4.5	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
n-Propylbenzene	11	1.4	mg/Kg	250	07/06/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B7 (7.5-9.5)

Phoenix I.D.: BN66872

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
p-Isopropyltoluene	2.2	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
sec-Butylbenzene	2.8	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
Styrene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
tert-Butylbenzene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
Tetrachloroethene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	2.9	mg/Kg	250	07/06/16	JLI	SW8260C
Toluene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
Total Xylenes	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	2.9	mg/Kg	250	07/06/16	JLI	SW8260C
Trichloroethene	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
Trichlorofluoromethane	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
Vinyl chloride	ND	1.4	mg/Kg	250	07/06/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	96		%	250	07/06/16	JLI	70 - 130 %
% Bromofluorobenzene	108		%	250	07/06/16	JLI	70 - 130 %
% Dibromofluoromethane	95		%	250	07/06/16	JLI	70 - 130 %
% Toluene-d8	86		%	250	07/06/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B7 (7.5-9.5)

Phoenix I.D.: BN66872

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.6	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.75	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	64		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	52		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B7 (7.5-9.5)

Phoenix I.D.: BN66872

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	53		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	46		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	57		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	54		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Volatile Comment:
Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

TPH Comment:
**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C9 to C18. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 12, 2016
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	12:00
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66873

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B8 (.5-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	1.75	0.74	mg/Kg	1	07/06/16	EK	SW6010C
Barium	23.8	0.37	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.37	0.37	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	14.8	0.37	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	07/06/16	MA/RS	SW7471B
Lead	1.68	0.37	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	92		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	X/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	53	mg/Kg	1	07/06/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/06/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	72		%	1	07/06/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0031	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B8 (.5-2)

Phoenix I.D.: BN66873

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
2-Chlorotoluene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
2-Hexanone	ND	0.026	mg/Kg	1	07/06/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
4-Chlorotoluene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.026	mg/Kg	1	07/06/16	JLI	SW8260C
Acetone	ND	0.26	mg/Kg	1	07/06/16	JLI	SW8260C
Acrylonitrile	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Benzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Bromobenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Bromochloromethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Bromodichloromethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Bromoform	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Bromomethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Carbon Disulfide	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Carbon tetrachloride	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Chlorobenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Chloroethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Chloroform	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Chloromethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Dibromochloromethane	ND	0.0031	mg/Kg	1	07/06/16	JLI	SW8260C
Dibromomethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Ethylbenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Isopropylbenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
m&p-Xylene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.031	mg/Kg	1	07/06/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.01	mg/Kg	1	07/06/16	JLI	SW8260C
Methylene chloride	ND	0.01	mg/Kg	1	07/06/16	JLI	SW8260C
Naphthalene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
n-Butylbenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
n-Propylbenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
sec-Butylbenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Styrene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
tert-Butylbenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Tetrachloroethene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.01	mg/Kg	1	07/06/16	JLI	SW8260C
Toluene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Total Xylenes	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.01	mg/Kg	1	07/06/16	JLI	SW8260C
Trichloroethene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Vinyl chloride	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	07/06/16	JLI	70 - 130 %
% Bromofluorobenzene	99		%	1	07/06/16	JLI	70 - 130 %
% Dibromofluoromethane	104		%	1	07/06/16	JLI	70 - 130 %
% Toluene-d8	99		%	1	07/06/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B8 (.5-2)

Phoenix I.D.: BN66873

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.58	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.72	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	78		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	63		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY

Client ID: CMF-B8 (.5-2)

Phoenix I.D.: BN66873

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	59		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	65		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	67		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	67		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 12, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	12:05
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66874

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B8 (7.5-9.5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	< 0.78	0.78	mg/Kg	1	07/06/16	EK	SW6010C
Barium	118	0.39	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.39	0.39	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	55.3	0.39	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	07/06/16	MA/RS	SW7471B
Lead	2.91	0.39	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	< 1.6	1.6	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	88		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	X/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	55	mg/Kg	1	07/06/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/06/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	74		%	1	07/06/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0031	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B8 (7.5-9.5)

Phoenix I.D.: BN66874

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
2-Chlorotoluene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
2-Hexanone	ND	0.026	mg/Kg	1	07/06/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
4-Chlorotoluene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.026	mg/Kg	1	07/06/16	JLI	SW8260C
Acetone	ND	0.26	mg/Kg	1	07/06/16	JLI	SW8260C
Acrylonitrile	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Benzene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Bromobenzene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Bromochloromethane	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Bromodichloromethane	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Bromoform	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Bromomethane	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Carbon Disulfide	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Carbon tetrachloride	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Chlorobenzene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Chloroethane	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Chloroform	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Chloromethane	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Dibromochloromethane	ND	0.0031	mg/Kg	1	07/06/16	JLI	SW8260C
Dibromomethane	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Ethylbenzene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Isopropylbenzene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
m&p-Xylene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.031	mg/Kg	1	07/06/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.01	mg/Kg	1	07/06/16	JLI	SW8260C
Methylene chloride	ND	0.01	mg/Kg	1	07/06/16	JLI	SW8260C
Naphthalene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
n-Butylbenzene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
n-Propylbenzene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B8 (7.5-9.5)

Phoenix I.D.: BN66874

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
sec-Butylbenzene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Styrene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
tert-Butylbenzene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Tetrachloroethene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.01	mg/Kg	1	07/06/16	JLI	SW8260C
Toluene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Total Xylenes	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.01	mg/Kg	1	07/06/16	JLI	SW8260C
Trichloroethene	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
Vinyl chloride	ND	0.0051	mg/Kg	1	07/06/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95		%	1	07/06/16	JLI	70 - 130 %
% Bromofluorobenzene	99		%	1	07/06/16	JLI	70 - 130 %
% Dibromofluoromethane	100		%	1	07/06/16	JLI	70 - 130 %
% Toluene-d8	89		%	1	07/06/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B8 (7.5-9.5)

Phoenix I.D.: BN66874

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.59	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.74	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	74		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	63		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY

Client ID: CMF-B8 (7.5-9.5)

Phoenix I.D.: BN66874

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	57		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	63		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	65		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	67		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

July 12, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		07/05/16	12:05
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66875

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-GW6

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.001	0.001	mg/L	1	07/06/16	EK	SW6010C
Arsenic	0.019	0.004	mg/L	1	07/06/16	LK	SW6010C
Barium	0.838	0.002	mg/L	1	07/06/16	EK	SW6010C
Cadmium	< 0.001	0.001	mg/L	1	07/06/16	EK	SW6010C
Chromium	0.118	0.001	mg/L	1	07/06/16	EK	SW6010C
Mercury	< 0.0002	0.0002	mg/L	1	07/06/16	RS	SW7470A
Lead	0.055	0.002	mg/L	1	07/06/16	EK	SW6010C
Selenium	< 0.010	0.010	mg/L	1	07/06/16	EK	SW6010C
Extraction of CT ETPH	Completed				07/05/16	P/R	SW3510C/SW3520C
Mercury Digestion	Completed				07/06/16	W/W	SW7470A
Semi-Volatile Extraction	Completed				07/05/16	P/D/D	SW3520C
Total Metals Digestion	Completed				07/05/16	G/TH	
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	0.070	mg/L	1	07/06/16	JRB	CTETPH 8015D
Identification	ND		mg/L	1	07/06/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	64		%	1	07/06/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,1,1-Trichloroethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	07/06/16	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,1-Dichloroethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,1-Dichloroethene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,1-Dichloropropene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-GW6

Phoenix I.D.: BN66875

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,3-Trichloropropane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,2-Dibromoethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,2-Dichloroethane	ND	0.60	ug/L	1	07/06/16	MH	SW8260C
1,2-Dichloropropane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,3-Dichloropropane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
2,2-Dichloropropane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
2-Chlorotoluene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
2-Hexanone	ND	5.0	ug/L	1	07/06/16	MH	SW8260C
2-Isopropyltoluene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
4-Chlorotoluene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
4-Methyl-2-pentanone	ND	5.0	ug/L	1	07/06/16	MH	SW8260C
Acetone	ND	25	ug/L	1	07/06/16	MH	SW8260C
Acrylonitrile	ND	5.0	ug/L	1	07/06/16	MH	SW8260C
Benzene	ND	0.70	ug/L	1	07/06/16	MH	SW8260C
Bromobenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Bromochloromethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Bromodichloromethane	ND	0.50	ug/L	1	07/06/16	MH	SW8260C
Bromoform	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Bromomethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Carbon Disulfide	ND	5.0	ug/L	1	07/06/16	MH	SW8260C
Carbon tetrachloride	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Chlorobenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Chloroethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Chloroform	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Chloromethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	07/06/16	MH	SW8260C
Dibromochloromethane	ND	0.50	ug/L	1	07/06/16	MH	SW8260C
Dibromomethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Ethylbenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Hexachlorobutadiene	ND	0.40	ug/L	1	07/06/16	MH	SW8260C
Isopropylbenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
m&p-Xylene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Methyl ethyl ketone	ND	5.0	ug/L	1	07/06/16	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Methylene chloride	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Naphthalene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
n-Butylbenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
n-Propylbenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
o-Xylene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
p-Isopropyltoluene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
sec-Butylbenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Styrene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
tert-Butylbenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Tetrachloroethene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	07/06/16	MH	SW8260C
Toluene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Total Xylenes	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	07/06/16	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	07/06/16	MH	SW8260C
Trichloroethene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Trichlorofluoromethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Vinyl chloride	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	07/06/16	MH	70 - 130 %
% Bromofluorobenzene	97		%	1	07/06/16	MH	70 - 130 %
% Dibromofluoromethane	98		%	1	07/06/16	MH	70 - 130 %
% Toluene-d8	99		%	1	07/06/16	MH	70 - 130 %

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
1,2-Dichlorobenzene	ND	2.5	ug/L	1	07/07/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
1,3-Dichlorobenzene	ND	2.5	ug/L	1	07/07/16	DD	SW8270D
1,4-Dichlorobenzene	ND	2.5	ug/L	1	07/07/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
2,4-Dichlorophenol	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
2,4-Dimethylphenol	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
2,4-Dinitrophenol	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
2,4-Dinitrotoluene	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
2,6-Dinitrotoluene	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
2-Chloronaphthalene	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
2-Chlorophenol	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
2-Nitroaniline	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
2-Nitrophenol	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	1	07/07/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
3-Nitroaniline	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
4-Chloroaniline	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
4-Nitroaniline	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
4-Nitrophenol	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
Acetophenone	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Aniline	ND	5.0	ug/L	1	07/07/16	DD	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benzidine	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Benzoic acid	ND	50	ug/L	1	07/07/16	DD	SW8270D
Benzyl butyl phthalate	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Carbazole	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Dibenzofuran	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Diethyl phthalate	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Dimethylphthalate	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Di-n-butylphthalate	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Di-n-octylphthalate	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Isophorone	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
N-Nitrosodimethylamine	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Phenol	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	103		%	1	07/07/16	DD	15 - 110 %
% 2-Fluorobiphenyl	87		%	1	07/07/16	DD	30 - 130 %
% 2-Fluorophenol	60		%	1	07/07/16	DD	15 - 110 %
% Nitrobenzene-d5	77		%	1	07/07/16	DD	30 - 130 %
% Phenol-d5	66		%	1	07/07/16	DD	15 - 110 %
% Terphenyl-d14	113		%	1	07/07/16	DD	30 - 130 %

Semivolatiles (SIM)

1,2,4,5-Tetrachlorobenzene	ND	0.50	ug/L	1	07/07/16	DD	SW8270D (SIM)
2-Methylnaphthalene	ND	1.0	ug/L	1	07/07/16	DD	SW8270D (SIM)
Acenaphthene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)
Acenaphthylene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)
Anthracene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)
Benz(a)anthracene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)
Benzo(a)pyrene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.50	ug/L	1	07/07/16	DD	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)
Bis(2-ethylhexyl)phthalate	ND	0.50	ug/L	1	07/07/16	DD	SW8270D (SIM)
Chrysene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.01	ug/L	1	07/07/16	DD	SW8270D (SIM)
Fluoranthene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)
Fluorene	ND	0.10	ug/L	1	07/07/16	DD	SW8270D (SIM)
Hexachlorobenzene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)
Hexachlorobutadiene	ND	0.50	ug/L	1	07/07/16	DD	SW8270D (SIM)
Hexachloroethane	ND	0.50	ug/L	1	07/07/16	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)
Naphthalene	ND	0.10	ug/L	1	07/07/16	DD	SW8270D (SIM)
Nitrobenzene	ND	0.10	ug/L	1	07/07/16	DD	SW8270D (SIM)
Pentachloronitrobenzene	ND	0.10	ug/L	1	07/07/16	DD	SW8270D (SIM)
Pentachlorophenol	ND	0.80	ug/L	1	07/07/16	DD	SW8270D (SIM)

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-GW6

Phoenix I.D.: BN66875

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Phenanthrene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)	
Pyrene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)	
Pyridine	ND	0.50	ug/L	1	07/07/16	DD	SW8270D (SIM)	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	132		%	1	07/07/16	DD	15 - 110 %	3
% 2-Fluorobiphenyl	81		%	1	07/07/16	DD	30 - 130 %	
% 2-Fluorophenol	70		%	1	07/07/16	DD	15 - 110 %	
% Nitrobenzene-d5	85		%	1	07/07/16	DD	30 - 130 %	
% Phenol-d5	74		%	1	07/07/16	DD	15 - 110 %	
% Terphenyl-d14	108		%	1	07/07/16	DD	30 - 130 %	

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Semi-Volatile Comment:
One of the surrogate recoveries was above the upper range due to sample matrix interference. The other surrogates associated with this sample were within QA/QC criteria. No significant bias is suspected.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 12, 2016
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	12:25
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66876

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B9 (.5-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	1.83	0.77	mg/Kg	1	07/06/16	EK	SW6010C
Barium	141	0.38	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.38	0.38	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	42.8	0.38	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	07/06/16	MA/RS	SW7471B
Lead	1.37	0.38	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	89		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	X/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	55	mg/Kg	1	07/06/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/06/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	73		%	1	07/06/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0029	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B9 (.5-2)

Phoenix I.D.: BN66876

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
2-Chlorotoluene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
2-Hexanone	ND	0.024	mg/Kg	1	07/06/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
4-Chlorotoluene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.024	mg/Kg	1	07/06/16	JLI	SW8260C
Acetone	ND	0.24	mg/Kg	1	07/06/16	JLI	SW8260C
Acrylonitrile	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Benzene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Bromobenzene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Bromochloromethane	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Bromodichloromethane	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Bromoform	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Bromomethane	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Carbon Disulfide	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Carbon tetrachloride	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Chlorobenzene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Chloroethane	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Chloroform	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Chloromethane	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Dibromochloromethane	ND	0.0029	mg/Kg	1	07/06/16	JLI	SW8260C
Dibromomethane	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Ethylbenzene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Isopropylbenzene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
m&p-Xylene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.029	mg/Kg	1	07/06/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.0097	mg/Kg	1	07/06/16	JLI	SW8260C
Methylene chloride	ND	0.0097	mg/Kg	1	07/06/16	JLI	SW8260C
Naphthalene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
n-Butylbenzene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
n-Propylbenzene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B9 (.5-2)

Phoenix I.D.: BN66876

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
sec-Butylbenzene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Styrene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
tert-Butylbenzene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Tetrachloroethene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.0097	mg/Kg	1	07/06/16	JLI	SW8260C
Toluene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Total Xylenes	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.0097	mg/Kg	1	07/06/16	JLI	SW8260C
Trichloroethene	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
Vinyl chloride	ND	0.0048	mg/Kg	1	07/06/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95		%	1	07/06/16	JLI	70 - 130 %
% Bromofluorobenzene	95		%	1	07/06/16	JLI	70 - 130 %
% Dibromofluoromethane	107		%	1	07/06/16	JLI	70 - 130 %
% Toluene-d8	89		%	1	07/06/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B9 (.5-2)

Phoenix I.D.: BN66876

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.58	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.73	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	84		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	65		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY

Client ID: CMF-B9 (.5-2)

Phoenix I.D.: BN66876

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	58		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	65		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	69		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	69		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 12, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	12:30
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66877

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B9 (7-9)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	2.31	0.79	mg/Kg	1	07/06/16	EK	SW6010C
Barium	228	0.39	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.39	0.39	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	53.0	0.39	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	07/06/16	MA/RS	SW7471B
Lead	< 0.39	0.39	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	< 1.6	1.6	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	87		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	X/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	57	mg/Kg	1	07/07/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/07/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	71		%	1	07/07/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.003	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B9 (7-9)

Phoenix I.D.: BN66877

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
2-Chlorotoluene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
2-Hexanone	ND	0.025	mg/Kg	1	07/06/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
4-Chlorotoluene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.025	mg/Kg	1	07/06/16	JLI	SW8260C
Acetone	ND	0.25	mg/Kg	1	07/06/16	JLI	SW8260C
Acrylonitrile	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Benzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Bromobenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Bromochloromethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Bromodichloromethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Bromoform	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Bromomethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Carbon Disulfide	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Carbon tetrachloride	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Chlorobenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Chloroethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Chloroform	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Chloromethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Dibromochloromethane	ND	0.003	mg/Kg	1	07/06/16	JLI	SW8260C
Dibromomethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Ethylbenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Isopropylbenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
m&p-Xylene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.03	mg/Kg	1	07/06/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.01	mg/Kg	1	07/06/16	JLI	SW8260C
Methylene chloride	ND	0.01	mg/Kg	1	07/06/16	JLI	SW8260C
Naphthalene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
n-Butylbenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
n-Propylbenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B9 (7-9)

Phoenix I.D.: BN66877

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
sec-Butylbenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Styrene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
tert-Butylbenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Tetrachloroethene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.01	mg/Kg	1	07/06/16	JLI	SW8260C
Toluene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Total Xylenes	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.01	mg/Kg	1	07/06/16	JLI	SW8260C
Trichloroethene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Vinyl chloride	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	96		%	1	07/06/16	JLI	70 - 130 %
% Bromofluorobenzene	101		%	1	07/06/16	JLI	70 - 130 %
% Dibromofluoromethane	102		%	1	07/06/16	JLI	70 - 130 %
% Toluene-d8	88		%	1	07/06/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B9 (7-9)

Phoenix I.D.: BN66877

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.6	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.75	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	51		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	64		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY

Client ID: CMF-B9 (7-9)

Phoenix I.D.: BN66877

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	53		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	64		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	61		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	68		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

July 12, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	12:45
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66878

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B10 (.5-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	1.96	0.69	mg/Kg	1	07/06/16	EK	SW6010C
Barium	112	0.34	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.34	0.34	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	39.7	0.34	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	07/06/16	MA/RS	SW7471B
Lead	1.90	0.34	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	< 1.4	1.4	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	92		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	X/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	54	mg/Kg	1	07/07/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/07/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	74		%	1	07/07/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0033	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B10 (.5-2)

Phoenix I.D.: BN66878

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
2-Chlorotoluene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
2-Hexanone	ND	0.028	mg/Kg	1	07/06/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
4-Chlorotoluene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.028	mg/Kg	1	07/06/16	JLI	SW8260C
Acetone	ND	0.28	mg/Kg	1	07/06/16	JLI	SW8260C
Acrylonitrile	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Benzene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Bromobenzene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Bromochloromethane	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Bromodichloromethane	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Bromoform	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Bromomethane	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Carbon Disulfide	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Carbon tetrachloride	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Chlorobenzene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Chloroethane	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Chloroform	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Chloromethane	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Dibromochloromethane	ND	0.0033	mg/Kg	1	07/06/16	JLI	SW8260C
Dibromomethane	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Ethylbenzene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Isopropylbenzene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
m&p-Xylene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.033	mg/Kg	1	07/06/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	07/06/16	JLI	SW8260C
Methylene chloride	ND	0.011	mg/Kg	1	07/06/16	JLI	SW8260C
Naphthalene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
n-Butylbenzene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
n-Propylbenzene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
sec-Butylbenzene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Styrene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
tert-Butylbenzene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Tetrachloroethene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	07/06/16	JLI	SW8260C
Toluene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Total Xylenes	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.011	mg/Kg	1	07/06/16	JLI	SW8260C
Trichloroethene	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
Vinyl chloride	ND	0.0055	mg/Kg	1	07/06/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95		%	1	07/06/16	JLI	70 - 130 %
% Bromofluorobenzene	98		%	1	07/06/16	JLI	70 - 130 %
% Dibromofluoromethane	106		%	1	07/06/16	JLI	70 - 130 %
% Toluene-d8	88		%	1	07/06/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B10 (.5-2)

Phoenix I.D.: BN66878

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.57	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.72	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	80		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	69		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY

Client ID: CMF-B10 (.5-2)

Phoenix I.D.: BN66878

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	61		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	69		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	71		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	65		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

July 12, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	12:50
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66879

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B10 (8-10)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	2.30	0.77	mg/Kg	1	07/06/16	EK	SW6010C
Barium	203	0.38	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.38	0.38	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	35.0	0.38	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	07/06/16	MA/RS	SW7471B
Lead	2.58	0.38	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	89		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	X/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	55	mg/Kg	1	07/07/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/07/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	66		%	1	07/07/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0041	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B10 (8-10)

Phoenix I.D.: BN66879

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
2-Chlorotoluene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
2-Hexanone	ND	0.035	mg/Kg	1	07/06/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
4-Chlorotoluene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.035	mg/Kg	1	07/06/16	JLI	SW8260C
Acetone	ND	0.35	mg/Kg	1	07/06/16	JLI	SW8260C
Acrylonitrile	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Benzene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Bromobenzene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Bromochloromethane	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Bromodichloromethane	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Bromoform	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Bromomethane	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Carbon Disulfide	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Carbon tetrachloride	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Chlorobenzene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Chloroethane	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Chloroform	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Chloromethane	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Dibromochloromethane	ND	0.0041	mg/Kg	1	07/06/16	JLI	SW8260C
Dibromomethane	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Ethylbenzene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Isopropylbenzene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
m&p-Xylene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.041	mg/Kg	1	07/06/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.014	mg/Kg	1	07/06/16	JLI	SW8260C
Methylene chloride	ND	0.014	mg/Kg	1	07/06/16	JLI	SW8260C
Naphthalene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
n-Butylbenzene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
n-Propylbenzene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B10 (8-10)

Phoenix I.D.: BN66879

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
sec-Butylbenzene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Styrene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
tert-Butylbenzene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Tetrachloroethene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.014	mg/Kg	1	07/06/16	JLI	SW8260C
Toluene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Total Xylenes	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.014	mg/Kg	1	07/06/16	JLI	SW8260C
Trichloroethene	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
Vinyl chloride	ND	0.0069	mg/Kg	1	07/06/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	96		%	1	07/06/16	JLI	70 - 130 %
% Bromofluorobenzene	101		%	1	07/06/16	JLI	70 - 130 %
% Dibromofluoromethane	100		%	1	07/06/16	JLI	70 - 130 %
% Toluene-d8	89		%	1	07/06/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B10 (8-10)

Phoenix I.D.: BN66879

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.59	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.73	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	61		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	58		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY

Client ID: CMF-B10 (8-10)

Phoenix I.D.: BN66879

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	53		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	63		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	63		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	59		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 12, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	13:05
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66880

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B11 (.5-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	2.19	0.71	mg/Kg	1	07/06/16	EK	SW6010C
Barium	105	0.36	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.36	0.36	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	38.1	0.36	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	07/06/16	MA/RS	SW7471B
Lead	1.83	0.36	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	< 1.4	1.4	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	89		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	X/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	56	mg/Kg	1	07/07/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/07/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	69		%	1	07/07/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0028	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B11 (.5-2)

Phoenix I.D.: BN66880

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
2-Chlorotoluene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
2-Hexanone	ND	0.023	mg/Kg	1	07/06/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
4-Chlorotoluene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.023	mg/Kg	1	07/06/16	JLI	SW8260C
Acetone	ND	0.23	mg/Kg	1	07/06/16	JLI	SW8260C
Acrylonitrile	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Benzene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Bromobenzene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Bromochloromethane	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Bromodichloromethane	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Bromoform	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Bromomethane	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Carbon Disulfide	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Carbon tetrachloride	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Chlorobenzene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Chloroethane	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Chloroform	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Chloromethane	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Dibromochloromethane	ND	0.0028	mg/Kg	1	07/06/16	JLI	SW8260C
Dibromomethane	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Ethylbenzene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Isopropylbenzene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
m&p-Xylene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.028	mg/Kg	1	07/06/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.0093	mg/Kg	1	07/06/16	JLI	SW8260C
Methylene chloride	ND	0.0093	mg/Kg	1	07/06/16	JLI	SW8260C
Naphthalene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
n-Butylbenzene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
n-Propylbenzene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
sec-Butylbenzene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Styrene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
tert-Butylbenzene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Tetrachloroethene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.0093	mg/Kg	1	07/06/16	JLI	SW8260C
Toluene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Total Xylenes	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.0093	mg/Kg	1	07/06/16	JLI	SW8260C
Trichloroethene	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
Vinyl chloride	ND	0.0047	mg/Kg	1	07/06/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	96		%	1	07/06/16	JLI	70 - 130 %
% Bromofluorobenzene	98		%	1	07/06/16	JLI	70 - 130 %
% Dibromofluoromethane	105		%	1	07/06/16	JLI	70 - 130 %
% Toluene-d8	89		%	1	07/06/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B11 (.5-2)

Phoenix I.D.: BN66880

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.6	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.75	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.26	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.37	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	75		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	63		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY

Client ID: CMF-B11 (.5-2)

Phoenix I.D.: BN66880

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	56		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	62		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	65		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	65		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

July 12, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	13:10
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66881

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B11 (7-9)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	2.52	0.74	mg/Kg	1	07/06/16	EK	SW6010C
Barium	68.1	0.37	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.37	0.37	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	27.5	0.37	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	07/06/16	MA/RS	SW7471B
Lead	3.40	0.37	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	85		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	X/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	59	mg/Kg	1	07/07/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/07/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	74		%	1	07/07/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0031	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B11 (7-9)

Phoenix I.D.: BN66881

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
2-Chlorotoluene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
2-Hexanone	ND	0.026	mg/Kg	1	07/06/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
4-Chlorotoluene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.026	mg/Kg	1	07/06/16	JLI	SW8260C
Acetone	ND	0.26	mg/Kg	1	07/06/16	JLI	SW8260C
Acrylonitrile	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Benzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Bromobenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Bromochloromethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Bromodichloromethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Bromoform	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Bromomethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Carbon Disulfide	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Carbon tetrachloride	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Chlorobenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Chloroethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Chloroform	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Chloromethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Dibromochloromethane	ND	0.0031	mg/Kg	1	07/06/16	JLI	SW8260C
Dibromomethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Ethylbenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Isopropylbenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
m&p-Xylene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.031	mg/Kg	1	07/06/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.01	mg/Kg	1	07/06/16	JLI	SW8260C
Methylene chloride	ND	0.01	mg/Kg	1	07/06/16	JLI	SW8260C
Naphthalene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
n-Butylbenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
n-Propylbenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
sec-Butylbenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Styrene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
tert-Butylbenzene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Tetrachloroethene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.01	mg/Kg	1	07/06/16	JLI	SW8260C
Toluene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Total Xylenes	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.01	mg/Kg	1	07/06/16	JLI	SW8260C
Trichloroethene	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
Vinyl chloride	ND	0.0052	mg/Kg	1	07/06/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	93		%	1	07/06/16	JLI	70 - 130 %
% Bromofluorobenzene	95		%	1	07/06/16	JLI	70 - 130 %
% Dibromofluoromethane	103		%	1	07/06/16	JLI	70 - 130 %
% Toluene-d8	89		%	1	07/06/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B11 (7-9)

Phoenix I.D.: BN66881

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.61	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.76	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	75		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	62		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B11 (7-9)

Phoenix I.D.: BN66881

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	55		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	61		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	64		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	65		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 12, 2016
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	13:20
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66882

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B12(.5-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	1.02	0.75	mg/Kg	1	07/06/16	EK	SW6010C
Barium	19.0	0.38	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.38	0.38	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	13.0	0.38	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	07/06/16	MA/RS	SW7471B
Lead	1.11	0.38	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	92		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	X/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	54	mg/Kg	1	07/08/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/08/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	65		%	1	07/08/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0032	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B12(.5-2)

Phoenix I.D.: BN66882

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
2-Chlorotoluene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
2-Hexanone	ND	0.027	mg/Kg	1	07/06/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
4-Chlorotoluene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.027	mg/Kg	1	07/06/16	JLI	SW8260C
Acetone	ND	0.27	mg/Kg	1	07/06/16	JLI	SW8260C
Acrylonitrile	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Benzene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Bromobenzene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Bromochloromethane	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Bromodichloromethane	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Bromoform	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Bromomethane	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Carbon Disulfide	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Carbon tetrachloride	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Chlorobenzene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Chloroethane	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Chloroform	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Chloromethane	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Dibromochloromethane	ND	0.0032	mg/Kg	1	07/06/16	JLI	SW8260C
Dibromomethane	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Ethylbenzene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Isopropylbenzene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
m&p-Xylene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.032	mg/Kg	1	07/06/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	07/06/16	JLI	SW8260C
Methylene chloride	ND	0.011	mg/Kg	1	07/06/16	JLI	SW8260C
Naphthalene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
n-Butylbenzene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
n-Propylbenzene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
sec-Butylbenzene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Styrene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
tert-Butylbenzene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Tetrachloroethene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	07/06/16	JLI	SW8260C
Toluene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Total Xylenes	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.011	mg/Kg	1	07/06/16	JLI	SW8260C
Trichloroethene	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
Vinyl chloride	ND	0.0053	mg/Kg	1	07/06/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	94		%	1	07/06/16	JLI	70 - 130 %
% Bromofluorobenzene	100		%	1	07/06/16	JLI	70 - 130 %
% Dibromofluoromethane	106		%	1	07/06/16	JLI	70 - 130 %
% Toluene-d8	89		%	1	07/06/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B12(.5-2)

Phoenix I.D.: BN66882

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.57	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.71	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.25	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.36	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	71		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	59		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY

Client ID: CMF-B12(.5-2)

Phoenix I.D.: BN66882

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	52		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	57		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	60		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	60		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

July 12, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	13:25
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66883

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B13 (.5-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	1	07/06/16	EK	SW6010C
Arsenic	2.76	0.78	mg/Kg	1	07/06/16	EK	SW6010C
Barium	95.7	0.39	mg/Kg	1	07/06/16	EK	SW6010C
Cadmium	< 0.39	0.39	mg/Kg	1	07/06/16	EK	SW6010C
Chromium	39.2	0.39	mg/Kg	1	07/06/16	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	07/06/16	MA/RS	SW7471B
Lead	1.63	0.39	mg/Kg	1	07/06/16	EK	SW6010C
Selenium	< 1.6	1.6	mg/Kg	1	07/06/16	EK	SW6010C
Percent Solid	86		%		07/05/16	W	SW846-%Solid
Soil Extraction for SVOA	Completed				07/05/16	NJ/CKV	SW3545A
Extraction of CT ETPH	Completed				07/05/16	NC/CK	SW3545A
Mercury Digestion	Completed				07/06/16	W/W	SW7471B
Total Metals Digest	Completed				07/05/16	X/T	SW3050B
Field Extraction	Completed				07/05/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	57	mg/Kg	1	07/08/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/08/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	70		%	1	07/08/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0034	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B13 (.5-2)

Phoenix I.D.: BN66883

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
2-Chlorotoluene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
2-Hexanone	ND	0.028	mg/Kg	1	07/06/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
4-Chlorotoluene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	0.028	mg/Kg	1	07/06/16	JLI	SW8260C
Acetone	ND	0.28	mg/Kg	1	07/06/16	JLI	SW8260C
Acrylonitrile	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Benzene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Bromobenzene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Bromochloromethane	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Bromodichloromethane	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Bromoform	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Bromomethane	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Carbon Disulfide	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Carbon tetrachloride	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Chlorobenzene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Chloroethane	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Chloroform	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Chloromethane	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Dibromochloromethane	ND	0.0034	mg/Kg	1	07/06/16	JLI	SW8260C
Dibromomethane	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Ethylbenzene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Isopropylbenzene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
m&p-Xylene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.034	mg/Kg	1	07/06/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	07/06/16	JLI	SW8260C
Methylene chloride	ND	0.011	mg/Kg	1	07/06/16	JLI	SW8260C
Naphthalene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
n-Butylbenzene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
n-Propylbenzene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
sec-Butylbenzene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Styrene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
tert-Butylbenzene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Tetrachloroethene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	07/06/16	JLI	SW8260C
Toluene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Total Xylenes	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.011	mg/Kg	1	07/06/16	JLI	SW8260C
Trichloroethene	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
Vinyl chloride	ND	0.0056	mg/Kg	1	07/06/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	94		%	1	07/06/16	JLI	70 - 130 %
% Bromofluorobenzene	98		%	1	07/06/16	JLI	70 - 130 %
% Dibromofluoromethane	103		%	1	07/06/16	JLI	70 - 130 %
% Toluene-d8	90		%	1	07/06/16	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2-Chloronaphthalene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2-Chlorophenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylnaphthalene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitroaniline	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
2-Nitrophenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
3-Nitroaniline	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
4-Chloroaniline	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-B13 (.5-2)

Phoenix I.D.: BN66883

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	0.61	mg/Kg	1	07/06/16	DD	SW8270D
4-Nitrophenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Acenaphthylene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Acetophenone	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Aniline	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Anthracene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benz(a)anthracene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benzidine	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(a)pyrene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(b)fluoranthene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(ghi)perylene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benzo(k)fluoranthene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Benzoic acid	ND	0.76	mg/Kg	1	07/06/16	DD	SW8270D
Benzyl butyl phthalate	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Carbazole	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Chrysene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Dibenzofuran	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Diethyl phthalate	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Dimethylphthalate	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-butylphthalate	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Di-n-octylphthalate	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Fluoranthene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Fluorene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorobutadiene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Hexachloroethane	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Isophorone	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Naphthalene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Nitrobenzene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodimethylamine	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Pentachloronitrobenzene	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Pentachlorophenol	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
Phenanthrene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Phenol	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Pyrene	ND	0.27	mg/Kg	1	07/06/16	DD	SW8270D
Pyridine	ND	0.38	mg/Kg	1	07/06/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	84		%	1	07/06/16	DD	30 - 130 %
% 2-Fluorobiphenyl	66		%	1	07/06/16	DD	30 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY

Client ID: CMF-B13 (.5-2)

Phoenix I.D.: BN66883

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	61		%	1	07/06/16	DD	30 - 130 %
% Nitrobenzene-d5	67		%	1	07/06/16	DD	30 - 130 %
% Phenol-d5	71		%	1	07/06/16	DD	30 - 130 %
% Terphenyl-d14	72		%	1	07/06/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 12, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	13:35
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66884

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-SB070516L

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				07/05/16		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.003	mg/Kg	1	07/06/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,1-Dichloropropene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
2-Chlorotoluene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
2-Hexanone	ND	0.025	mg/Kg	1	07/06/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
4-Chlorotoluene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-SB070516L

Phoenix I.D.: BN66884

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	0.025	mg/Kg	1	07/06/16	JLI	SW8260C
Acetone	ND	0.25	mg/Kg	1	07/06/16	JLI	SW8260C
Acrylonitrile	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Benzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Bromobenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Bromochloromethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Bromodichloromethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Bromoform	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Bromomethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Carbon Disulfide	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Carbon tetrachloride	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Chlorobenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Chloroethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Chloroform	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Chloromethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Dibromochloromethane	ND	0.003	mg/Kg	1	07/06/16	JLI	SW8260C
Dibromomethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Ethylbenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Isopropylbenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
m&p-Xylene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	0.03	mg/Kg	1	07/06/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.01	mg/Kg	1	07/06/16	JLI	SW8260C
Methylene chloride	ND	0.01	mg/Kg	1	07/06/16	JLI	SW8260C
Naphthalene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
n-Butylbenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
n-Propylbenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
o-Xylene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
sec-Butylbenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Styrene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
tert-Butylbenzene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Tetrachloroethene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.01	mg/Kg	1	07/06/16	JLI	SW8260C
Toluene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Total Xylenes	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.01	mg/Kg	1	07/06/16	JLI	SW8260C
Trichloroethene	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
Vinyl chloride	ND	0.005	mg/Kg	1	07/06/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	94		%	1	07/06/16	JLI	70 - 130 %
% Bromofluorobenzene	99		%	1	07/06/16	JLI	70 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-SB070516L

Phoenix I.D.: BN66884

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	104		%	1	07/06/16	JLI	70 - 130 %
% Toluene-d8	89		%	1	07/06/16	JLI	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight., TRIP BLANK INCLUDED.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 12, 2016
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/05/16	13:35
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66885

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-SB070516H

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				07/05/16		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
1,1-Dichloropropene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
2-Chlorotoluene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
2-Hexanone	ND	1.3	mg/Kg	50	07/06/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
4-Chlorotoluene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-SB070516H

Phoenix I.D.: BN66885

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	1.3	mg/Kg	50	07/06/16	JLI	SW8260C
Acetone	ND	5	mg/Kg	50	07/06/16	JLI	SW8260C
Acrylonitrile	ND	0.5	mg/Kg	50	07/06/16	JLI	SW8260C
Benzene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Bromobenzene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Bromochloromethane	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Bromodichloromethane	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Bromoform	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Bromomethane	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Carbon Disulfide	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Carbon tetrachloride	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Chlorobenzene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Chloroethane	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Chloroform	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Chloromethane	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Dibromochloromethane	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Dibromomethane	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Dichlorodifluoromethane	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Ethylbenzene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Hexachlorobutadiene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Isopropylbenzene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
m&p-Xylene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	3	mg/Kg	50	07/06/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Methylene chloride	ND	0.5	mg/Kg	50	07/06/16	JLI	SW8260C
Naphthalene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
n-Butylbenzene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
n-Propylbenzene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
o-Xylene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
p-Isopropyltoluene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
sec-Butylbenzene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Styrene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
tert-Butylbenzene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Tetrachloroethene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	0.5	mg/Kg	50	07/06/16	JLI	SW8260C
Toluene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Total Xylenes	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	0.5	mg/Kg	50	07/06/16	JLI	SW8260C
Trichloroethene	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Trichlorofluoromethane	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
Vinyl chloride	ND	0.25	mg/Kg	50	07/06/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95		%	50	07/06/16	JLI	70 - 130 %
% Bromofluorobenzene	101		%	50	07/06/16	JLI	70 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-SB070516H

Phoenix I.D.: BN66885

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	101		%	50	07/06/16	JLI	70 - 130 %
% Toluene-d8	89		%	50	07/06/16	JLI	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight., TRIP BLANK INCLUDED.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 12, 2016
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		07/05/16	13:40
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66886

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-FB070516

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.001	0.001	mg/L	1	07/06/16	LK	SW6010C/E200.7
Arsenic	< 0.004	0.004	mg/L	1	07/06/16	LK	SW6010C/E200.7
Barium	< 0.002	0.002	mg/L	1	07/06/16	LK	SW6010C/E200.7
Cadmium	< 0.001	0.001	mg/L	1	07/06/16	LK	SW6010C/E200.7
Chromium	< 0.001	0.001	mg/L	1	07/06/16	LK	SW6010C/E200.7
Mercury	< 0.0002	0.0002	mg/L	1	07/06/16	RS	SW7470/245.1
Lead	< 0.002	0.002	mg/L	1	07/06/16	LK	SW6010C/E200.7
Selenium	< 0.010	0.010	mg/L	1	07/06/16	LK	SW6010C/E200.7
Extraction of CT ETPH	Completed				07/05/16	P/R	SW3510C/SW3520C
Mercury Digestion	Completed				07/06/16	W/W	SW7470/245.1
Semi-Volatile Extraction	Completed				07/05/16	P/D/D	SW3520C
Total Metals Digestion	Completed				07/05/16	G/TH	
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	0.070	mg/L	1	07/06/16	JRB	CTETPH 8015D
Identification	ND		mg/L	1	07/06/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	62		%	1	07/06/16	JRB	50 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,1,1-Trichloroethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	07/06/16	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,1-Dichloroethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,1-Dichloroethene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,1-Dichloropropene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-FB070516

Phoenix I.D.: BN66886

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,3-Trichloropropane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,2-Dibromoethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,2-Dichloroethane	ND	0.60	ug/L	1	07/06/16	MH	SW8260C
1,2-Dichloropropane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,3-Dichloropropane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
2,2-Dichloropropane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
2-Chlorotoluene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
2-Hexanone	ND	5.0	ug/L	1	07/06/16	MH	SW8260C
2-Isopropyltoluene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
4-Chlorotoluene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
4-Methyl-2-pentanone	ND	5.0	ug/L	1	07/06/16	MH	SW8260C
Acetone	ND	25	ug/L	1	07/06/16	MH	SW8260C
Acrylonitrile	ND	5.0	ug/L	1	07/06/16	MH	SW8260C
Benzene	ND	0.70	ug/L	1	07/06/16	MH	SW8260C
Bromobenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Bromochloromethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Bromodichloromethane	ND	0.50	ug/L	1	07/06/16	MH	SW8260C
Bromoform	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Bromomethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Carbon Disulfide	ND	5.0	ug/L	1	07/06/16	MH	SW8260C
Carbon tetrachloride	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Chlorobenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Chloroethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Chloroform	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Chloromethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	07/06/16	MH	SW8260C
Dibromochloromethane	ND	0.50	ug/L	1	07/06/16	MH	SW8260C
Dibromomethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Ethylbenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Hexachlorobutadiene	ND	0.40	ug/L	1	07/06/16	MH	SW8260C
Isopropylbenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
m&p-Xylene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Methyl ethyl ketone	ND	5.0	ug/L	1	07/06/16	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Methylene chloride	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Naphthalene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
n-Butylbenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
n-Propylbenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
o-Xylene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
p-Isopropyltoluene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
sec-Butylbenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Styrene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
tert-Butylbenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Tetrachloroethene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	07/06/16	MH	SW8260C
Toluene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Total Xylenes	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	07/06/16	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	07/06/16	MH	SW8260C
Trichloroethene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Trichlorofluoromethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Vinyl chloride	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	1	07/06/16	MH	70 - 130 %
% Bromofluorobenzene	96		%	1	07/06/16	MH	70 - 130 %
% Dibromofluoromethane	97		%	1	07/06/16	MH	70 - 130 %
% Toluene-d8	100		%	1	07/06/16	MH	70 - 130 %

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
1,2-Dichlorobenzene	ND	2.5	ug/L	1	07/07/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
1,3-Dichlorobenzene	ND	2.5	ug/L	1	07/07/16	DD	SW8270D
1,4-Dichlorobenzene	ND	2.5	ug/L	1	07/07/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
2,4-Dichlorophenol	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
2,4-Dimethylphenol	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
2,4-Dinitrophenol	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
2,4-Dinitrotoluene	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
2,6-Dinitrotoluene	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
2-Chloronaphthalene	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
2-Chlorophenol	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
2-Nitroaniline	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
2-Nitrophenol	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	1	07/07/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
3-Nitroaniline	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
4-Chloroaniline	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
4-Nitroaniline	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
4-Nitrophenol	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
Acetophenone	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Aniline	ND	5.0	ug/L	1	07/07/16	DD	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benzidine	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Benzoic acid	ND	50	ug/L	1	07/07/16	DD	SW8270D
Benzyl butyl phthalate	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Carbazole	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Dibenzofuran	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Diethyl phthalate	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Dimethylphthalate	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Di-n-butylphthalate	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Di-n-octylphthalate	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Isophorone	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
N-Nitrosodimethylamine	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	5.0	ug/L	1	07/07/16	DD	SW8270D
Phenol	ND	1.0	ug/L	1	07/07/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	103		%	1	07/07/16	DD	15 - 110 %
% 2-Fluorobiphenyl	74		%	1	07/07/16	DD	30 - 130 %
% 2-Fluorophenol	53		%	1	07/07/16	DD	15 - 110 %
% Nitrobenzene-d5	62		%	1	07/07/16	DD	30 - 130 %
% Phenol-d5	64		%	1	07/07/16	DD	15 - 110 %
% Terphenyl-d14	113		%	1	07/07/16	DD	30 - 130 %
Semivolatiles (SIM)							
1,2,4,5-Tetrachlorobenzene	ND	0.50	ug/L	1	07/07/16	DD	SW8270D (SIM)
2-Methylnaphthalene	ND	1.0	ug/L	1	07/07/16	DD	SW8270D (SIM)
Acenaphthene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)
Acenaphthylene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)
Anthracene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)
Benz(a)anthracene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)
Benzo(a)pyrene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.50	ug/L	1	07/07/16	DD	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)
Bis(2-ethylhexyl)phthalate	ND	0.50	ug/L	1	07/07/16	DD	SW8270D (SIM)
Chrysene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.01	ug/L	1	07/07/16	DD	SW8270D (SIM)
Fluoranthene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)
Fluorene	ND	0.10	ug/L	1	07/07/16	DD	SW8270D (SIM)
Hexachlorobenzene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)
Hexachlorobutadiene	ND	0.50	ug/L	1	07/07/16	DD	SW8270D (SIM)
Hexachloroethane	ND	0.50	ug/L	1	07/07/16	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)
Naphthalene	ND	0.10	ug/L	1	07/07/16	DD	SW8270D (SIM)
Nitrobenzene	ND	0.10	ug/L	1	07/07/16	DD	SW8270D (SIM)
Pentachloronitrobenzene	ND	0.10	ug/L	1	07/07/16	DD	SW8270D (SIM)
Pentachlorophenol	ND	0.80	ug/L	1	07/07/16	DD	SW8270D (SIM)

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-FB070516

Phoenix I.D.: BN66886

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Phenanthrene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)	
Pyrene	ND	0.05	ug/L	1	07/07/16	DD	SW8270D (SIM)	
Pyridine	ND	0.50	ug/L	1	07/07/16	DD	SW8270D (SIM)	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	112		%	1	07/07/16	DD	15 - 110 %	3
% 2-Fluorobiphenyl	68		%	1	07/07/16	DD	30 - 130 %	
% 2-Fluorophenol	62		%	1	07/07/16	DD	15 - 110 %	
% Nitrobenzene-d5	70		%	1	07/07/16	DD	30 - 130 %	
% Phenol-d5	64		%	1	07/07/16	DD	15 - 110 %	
% Terphenyl-d14	103		%	1	07/07/16	DD	30 - 130 %	

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Semi-Volatile Comment:
One of the surrogate recoveries was above the upper range due to sample matrix interference. The other surrogates associated with this sample were within QA/QC criteria. No significant bias is suspected.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 12, 2016
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 12, 2016

FOR: Attn: Liam Bane
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		07/05/16	13:45
Location Code:	TRC-DAS	Received by:	SW	07/05/16	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBN66858
Phoenix ID: BN66887

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-TB070516

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,1,1-Trichloroethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	07/06/16	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,1-Dichloroethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,1-Dichloroethene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,1-Dichloropropene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,2-Dibromoethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,2-Dichloroethane	ND	0.60	ug/L	1	07/06/16	MH	SW8260C
1,2-Dichloropropane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,3-Dichloropropane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
2,2-Dichloropropane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
2-Chlorotoluene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
2-Hexanone	ND	5.0	ug/L	1	07/06/16	MH	SW8260C
2-Isopropyltoluene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
4-Chlorotoluene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
4-Methyl-2-pentanone	ND	5.0	ug/L	1	07/06/16	MH	SW8260C

Project ID: COLCHESTER MAINTENANCE FACILITY
Client ID: CMF-TB070516

Phoenix I.D.: BN66887

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	25	ug/L	1	07/06/16	MH	SW8260C
Acrylonitrile	ND	5.0	ug/L	1	07/06/16	MH	SW8260C
Benzene	ND	0.70	ug/L	1	07/06/16	MH	SW8260C
Bromobenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Bromochloromethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Bromodichloromethane	ND	0.50	ug/L	1	07/06/16	MH	SW8260C
Bromoform	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Bromomethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Carbon Disulfide	ND	5.0	ug/L	1	07/06/16	MH	SW8260C
Carbon tetrachloride	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Chlorobenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Chloroethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Chloroform	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Chloromethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	07/06/16	MH	SW8260C
Dibromochloromethane	ND	0.50	ug/L	1	07/06/16	MH	SW8260C
Dibromomethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Ethylbenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Hexachlorobutadiene	ND	0.40	ug/L	1	07/06/16	MH	SW8260C
Isopropylbenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
m&p-Xylene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Methyl ethyl ketone	ND	5.0	ug/L	1	07/06/16	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Methylene chloride	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Naphthalene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
n-Butylbenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
n-Propylbenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
o-Xylene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
p-Isopropyltoluene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
sec-Butylbenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Styrene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
tert-Butylbenzene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Tetrachloroethene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	07/06/16	MH	SW8260C
Toluene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Total Xylenes	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	07/06/16	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	07/06/16	MH	SW8260C
Trichloroethene	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Trichlorofluoromethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
Vinyl chloride	ND	1.0	ug/L	1	07/06/16	MH	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	1	07/06/16	MH	70 - 130 %
% Bromofluorobenzene	96		%	1	07/06/16	MH	70 - 130 %
% Dibromofluoromethane	94		%	1	07/06/16	MH	70 - 130 %

Project ID: COLCHESTER MAINTENANCE FACILITY

Client ID: CMF-TB070516

Phoenix I.D.: BN66887

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	103		%	1	07/06/16	MH	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

July 12, 2016

Reviewed and Released by: Ethan Lee, Project Manager

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QA/QC Report

July 12, 2016

QA/QC Data

SDG I.D.: GBN66858

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 351152 (mg/L), QC Sample No: BN66165 (BN66875, BN66886)														
ICP Metals - Aqueous														
Arsenic	BRL	0.004	<0.004	<0.004	NC	101			109			75 - 125	20	
Barium	BRL	0.002	0.016	0.016	0	106			99.5			75 - 125	20	
Cadmium	BRL	0.001	<0.001	<0.001	NC	105			103			75 - 125	20	
Chromium	BRL	0.001	0.159	0.158	0.60	103			99.9			75 - 125	20	
Lead	BRL	0.002	<0.002	<0.002	NC	104			97.5			75 - 125	20	
Selenium	BRL	0.010	<0.010	<0.010	NC	100			104			75 - 125	20	
Silver	BRL	0.001	0.005	0.004	NC	100			105			75 - 125	20	
QA/QC Batch 351204 (mg/kg), QC Sample No: BN66184 (BN66869, BN66870, BN66871, BN66872, BN66873, BN66874, BN66876, BN66877, BN66878, BN66879, BN66880, BN66881, BN66882, BN66883)														
Mercury - Soil	BRL	0.03	0.39	0.50	24.7	93.2	93.2	0.0	61.7			70 - 130	30	m
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.														
QA/QC Batch 351203 (mg/kg), QC Sample No: BN66554 (BN66858, BN66859, BN66860, BN66861, BN66862, BN66863, BN66864, BN66865, BN66866, BN66867, BN66868)														
Mercury - Soil	BRL	0.02	0.80	0.83	3.70	101	91.2	10.2	>125			70 - 130	30	m
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.														
QA/QC Batch 351160 (mg/kg), QC Sample No: BN66785 (BN66858, BN66859, BN66860, BN66861, BN66862, BN66863, BN66864, BN66865, BN66866, BN66867, BN66868, BN66869, BN66870)														
ICP Metals - Soil														
Arsenic	BRL	0.66	3.13	3.24	NC	93.2			93.8			75 - 125	30	
Barium	BRL	0.33	35.5	31.0	13.5	96.4			108			75 - 125	30	
Cadmium	BRL	0.33	<0.36	<0.38	NC	92.8			100			75 - 125	30	
Chromium	BRL	0.33	24.9	23.8	4.50	96.0			102			75 - 125	30	
Lead	BRL	0.33	4.14	3.77	9.40	103			100			75 - 125	30	
Selenium	BRL	1.3	<1.4	<1.5	NC	78.1			80.8			75 - 125	30	
Silver	BRL	0.33	<0.36	<0.38	NC	92.5			97.3			75 - 125	30	
QA/QC Batch 351170 (mg/kg), QC Sample No: BN66871 (BN66871, BN66872, BN66873, BN66874, BN66876, BN66877, BN66878, BN66879, BN66880, BN66881, BN66882, BN66883)														
ICP Metals - Soil														
Arsenic	BRL	0.67	3.34	5.90	NC	96.6			91.7			75 - 125	30	
Barium	BRL	0.33	95.4	94.6	0.80	99.1			94.2			75 - 125	30	
Cadmium	BRL	0.33	<0.36	<0.37	NC	98.0			97.4			75 - 125	30	
Chromium	BRL	0.33	32.8	31.8	3.10	99.9			95.6			75 - 125	30	
Lead	BRL	0.33	2.22	2.11	5.10	101			97.6			75 - 125	30	
Selenium	BRL	1.3	<1.5	<1.5	NC	81.5			79.6			75 - 125	30	
Silver	BRL	0.33	<0.36	<0.37	NC	95.3			94.6			75 - 125	30	
QA/QC Batch 351202 (mg/L), QC Sample No: BN66886 (BN66875, BN66886)														
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	92.4			93.7			70 - 130	20	

QA/QC Data

SDG I.D.: GBN66858

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

m = This parameter is outside laboratory MS/MSD specified recovery limits.

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QA/QC Report

July 12, 2016

QA/QC Data

SDG I.D.: GBN66858

QA/QC Batch 351221 (ug/L), QC Sample No: BN66023 (BN66875, BN66886, BN66887)

Volatiles - Ground Water

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1,1,2-Tetrachloroethane	ND	1.0	92	110	17.8				70 - 130	30	
1,1,1-Trichloroethane	ND	1.0	100	110	9.5				70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.50	89	113	23.8				70 - 130	30	
1,1,2-Trichloroethane	ND	1.0	85	109	24.7				70 - 130	30	
1,1-Dichloroethane	ND	1.0	99	115	15.0				70 - 130	30	
1,1-Dichloroethene	ND	1.0	104	114	9.2				70 - 130	30	
1,1-Dichloropropene	ND	1.0	100	109	8.6				70 - 130	30	
1,2,3-Trichlorobenzene	ND	1.0	93	121	26.2				70 - 130	30	
1,2,3-Trichloropropane	ND	1.0	85	109	24.7				70 - 130	30	
1,2,4-Trichlorobenzene	ND	1.0	96	120	22.2				70 - 130	30	
1,2,4-Trimethylbenzene	ND	1.0	94	106	12.0				70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	1.0	82	113	31.8				70 - 130	30	r
1,2-Dibromoethane	ND	1.0	88	114	25.7				70 - 130	30	
1,2-Dichlorobenzene	ND	1.0	90	108	18.2				70 - 130	30	
1,2-Dichloroethane	ND	1.0	88	111	23.1				70 - 130	30	
1,2-Dichloropropane	ND	1.0	92	112	19.6				70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	95	105	10.0				70 - 130	30	
1,3-Dichlorobenzene	ND	1.0	95	110	14.6				70 - 130	30	
1,3-Dichloropropane	ND	1.0	89	112	22.9				70 - 130	30	
1,4-Dichlorobenzene	ND	1.0	93	107	14.0				70 - 130	30	
2,2-Dichloropropane	ND	1.0	108	122	12.2				70 - 130	30	
2-Chlorotoluene	ND	1.0	96	106	9.9				70 - 130	30	
2-Hexanone	ND	5.0	75	105	33.3				70 - 130	30	r
2-Isopropyltoluene	ND	1.0	96	110	13.6				70 - 130	30	
4-Chlorotoluene	ND	1.0	94	105	11.1				70 - 130	30	
4-Methyl-2-pentanone	ND	5.0	76	114	40.0				70 - 130	30	r
Acetone	ND	5.0	90	114	23.5				70 - 130	30	
Acrylonitrile	ND	5.0	86	129	40.0				70 - 130	30	r
Benzene	ND	0.70	93	109	15.8				70 - 130	30	
Bromobenzene	ND	1.0	94	108	13.9				70 - 130	30	
Bromochloromethane	ND	1.0	93	119	24.5				70 - 130	30	
Bromodichloromethane	ND	0.50	90	111	20.9				70 - 130	30	
Bromoform	ND	1.0	87	116	28.6				70 - 130	30	
Bromomethane	ND	1.0	104	122	15.9				70 - 130	30	
Carbon Disulfide	ND	1.0	104	115	10.0				70 - 130	30	
Carbon tetrachloride	ND	1.0	100	111	10.4				70 - 130	30	
Chlorobenzene	ND	1.0	94	108	13.9				70 - 130	30	
Chloroethane	ND	1.0	104	112	7.4				70 - 130	30	
Chloroform	ND	1.0	95	113	17.3				70 - 130	30	
Chloromethane	ND	1.0	102	115	12.0				70 - 130	30	
cis-1,2-Dichloroethene	ND	1.0	94	112	17.5				70 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
cis-1,3-Dichloropropene	ND	0.40	88	110	22.2				70 - 130	30	
Dibromochloromethane	ND	0.50	92	116	23.1				70 - 130	30	
Dibromomethane	ND	1.0	85	110	25.6				70 - 130	30	
Dichlorodifluoromethane	ND	1.0	110	115	4.4				70 - 130	30	
Ethylbenzene	ND	1.0	96	108	11.8				70 - 130	30	
Hexachlorobutadiene	ND	0.40	101	107	5.8				70 - 130	30	
Isopropylbenzene	ND	1.0	94	103	9.1				70 - 130	30	
m&p-Xylene	ND	1.0	95	108	12.8				70 - 130	30	
Methyl ethyl ketone	ND	5.0	84	123	37.7				70 - 130	30	r
Methyl t-butyl ether (MTBE)	ND	1.0	82	116	34.3				70 - 130	30	r
Methylene chloride	ND	1.0	85	105	21.1				70 - 130	30	
Naphthalene	ND	1.0	95	126	28.1				70 - 130	30	
n-Butylbenzene	ND	1.0	90	107	17.3				70 - 130	30	
n-Propylbenzene	ND	1.0	91	102	11.4				70 - 130	30	
o-Xylene	ND	1.0	91	106	15.2				70 - 130	30	
p-Isopropyltoluene	ND	1.0	92	106	14.1				70 - 130	30	
sec-Butylbenzene	ND	1.0	89	105	16.5				70 - 130	30	
Styrene	ND	1.0	92	109	16.9				70 - 130	30	
tert-Butylbenzene	ND	1.0	89	102	13.6				70 - 130	30	
Tetrachloroethene	ND	1.0	94	107	12.9				70 - 130	30	
Tetrahydrofuran (THF)	ND	2.5	81	119	38.0				70 - 130	30	r
Toluene	ND	1.0	93	108	14.9				70 - 130	30	
trans-1,2-Dichloroethene	ND	1.0	101	116	13.8				70 - 130	30	
trans-1,3-Dichloropropene	ND	0.40	85	110	25.6				70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	98	131	28.8				70 - 130	30	l
Trichloroethene	ND	1.0	95	109	13.7				70 - 130	30	
Trichlorofluoromethane	ND	1.0	104	111	6.5				70 - 130	30	
Trichlorotrifluoroethane	ND	1.0	105	112	6.5				70 - 130	30	
Vinyl chloride	ND	1.0	109	119	8.8				70 - 130	30	
% 1,2-dichlorobenzene-d4	99	%	97	100	3.0				70 - 130	30	
% Bromofluorobenzene	95	%	98	100	2.0				70 - 130	30	
% Dibromofluoromethane	98	%	94	103	9.1				70 - 130	30	
% Toluene-d8	101	%	99	101	2.0				70 - 130	30	

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 350984 (mg/L), QC Sample No: BN66259 (BN66875, BN66886)

TPH by GC (Extractable Products) - Ground Water

Ext. Petroleum H.C.	ND	0.070	72	69	4.3				60 - 120	30	
% n-Pentacosane	70	%	89	89	0.0				50 - 150	20	

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 351139 (mg/Kg), QC Sample No: BN66698 (BN66858, BN66859, BN66860, BN66861, BN66862, BN66863, BN66864, BN66865, BN66866, BN66867, BN66868, BN66869, BN66870, BN66871, BN66872)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	0.23	62	63	1.6	60	54	10.5	30 - 130	30	
1,2,4-Trichlorobenzene	ND	0.23	61	63	3.2	57	50	13.1	30 - 130	30	
1,2-Dichlorobenzene	ND	0.18	58	61	5.0	59	55	7.0	30 - 130	30	
1,2-Diphenylhydrazine	ND	0.23	66	66	0.0	66	60	9.5	30 - 130	30	
1,3-Dichlorobenzene	ND	0.23	54	56	3.6	47	43	8.9	30 - 130	30	
1,4-Dichlorobenzene	ND	0.23	54	57	5.4	51	46	10.3	30 - 130	30	

QA/QC Data

SDG I.D.: GBN66858

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2,4,5-Trichlorophenol	ND	0.23	70	72	2.8	75	70	6.9	30 - 130	30	
2,4,6-Trichlorophenol	ND	0.13	69	70	1.4	73	67	8.6	30 - 130	30	
2,4-Dichlorophenol	ND	0.13	70	73	4.2	80	75	6.5	30 - 130	30	
2,4-Dimethylphenol	ND	0.23	69	71	2.9	82	77	6.3	30 - 130	30	
2,4-Dinitrophenol	ND	0.23	<10	<10	NC	44	45	2.2	30 - 130	30	l
2,4-Dinitrotoluene	ND	0.13	73	73	0.0	78	71	9.4	30 - 130	30	
2,6-Dinitrotoluene	ND	0.13	70	71	1.4	75	68	9.8	30 - 130	30	
2-Chloronaphthalene	ND	0.23	66	65	1.5	64	57	11.6	30 - 130	30	
2-Chlorophenol	ND	0.23	64	67	4.6	91	89	2.2	30 - 130	30	
2-Methylnaphthalene	ND	0.23	65	68	4.5	69	62	10.7	30 - 130	30	
2-Methylphenol (o-cresol)	ND	0.23	69	76	9.7	109	108	0.9	30 - 130	30	
2-Nitroaniline	ND	0.33	61	61	0.0	76	68	11.1	30 - 130	30	
2-Nitrophenol	ND	0.23	67	67	0.0	73	68	7.1	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	0.23	70	72	2.8	102	102	0.0	30 - 130	30	
3,3'-Dichlorobenzidine	ND	0.13	60	61	1.7	67	60	11.0	30 - 130	30	
3-Nitroaniline	ND	0.33	63	63	0.0	71	64	10.4	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	0.23	18	18	0.0	68	61	10.9	30 - 130	30	l
4-Bromophenyl phenyl ether	ND	0.23	71	71	0.0	69	60	14.0	30 - 130	30	
4-Chloro-3-methylphenol	ND	0.23	74	77	4.0	90	83	8.1	30 - 130	30	
4-Chloroaniline	ND	0.23	66	66	0.0	78	72	8.0	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	0.23	66	67	1.5	66	60	9.5	30 - 130	30	
4-Nitroaniline	ND	0.23	69	68	1.5	76	69	9.7	30 - 130	30	
4-Nitrophenol	ND	0.23	75	73	2.7	86	75	13.7	30 - 130	30	
Acenaphthene	ND	0.23	67	69	2.9	69	61	12.3	30 - 130	30	
Acenaphthylene	ND	0.13	68	68	0.0	70	61	13.7	30 - 130	30	
Acetophenone	ND	0.23	62	64	3.2	87	85	2.3	30 - 130	30	
Aniline	ND	0.33	108	113	4.5	152	148	2.7	30 - 130	30	m
Anthracene	ND	0.23	71	70	1.4	73	61	17.9	30 - 130	30	
Benz(a)anthracene	ND	0.23	70	72	2.8	71	59	18.5	30 - 130	30	
Benzidine	ND	0.33	19	19	0.0	36	25	36.1	30 - 130	30	l,m,r
Benzo(a)pyrene	ND	0.13	67	67	0.0	65	54	18.5	30 - 130	30	
Benzo(b)fluoranthene	ND	0.16	71	71	0.0	70	56	22.2	30 - 130	30	
Benzo(ghi)perylene	ND	0.23	69	70	1.4	70	60	15.4	30 - 130	30	
Benzo(k)fluoranthene	ND	0.23	68	69	1.5	63	56	11.8	30 - 130	30	
Benzoic Acid	ND	0.33	<10	<10	NC	45	55	20.0	30 - 130	30	l
Benzyl butyl phthalate	ND	0.23	74	76	2.7	70	62	12.1	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	0.23	69	71	2.9	78	75	3.9	30 - 130	30	
Bis(2-chloroethyl)ether	ND	0.13	56	59	5.2	72	68	5.7	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	0.23	55	58	5.3	67	61	9.4	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	0.23	78	80	2.5	76	64	17.1	30 - 130	30	
Carbazole	ND	0.23	70	70	0.0	73	63	14.7	30 - 130	30	
Chrysene	ND	0.23	72	72	0.0	76	61	21.9	30 - 130	30	
Dibenz(a,h)anthracene	ND	0.13	69	70	1.4	69	61	12.3	30 - 130	30	
Dibenzofuran	ND	0.23	68	68	0.0	69	62	10.7	30 - 130	30	
Diethyl phthalate	ND	0.23	73	73	0.0	76	69	9.7	30 - 130	30	
Dimethylphthalate	ND	0.23	71	71	0.0	74	68	8.5	30 - 130	30	
Di-n-butylphthalate	ND	0.23	77	78	1.3	71	63	11.9	30 - 130	30	
Di-n-octylphthalate	ND	0.23	72	75	4.1	72	61	16.5	30 - 130	30	
Fluoranthene	ND	0.23	71	71	0.0	71	59	18.5	30 - 130	30	
Fluorene	ND	0.23	70	69	1.4	71	64	10.4	30 - 130	30	
Hexachlorobenzene	ND	0.13	68	69	1.5	59	51	14.5	30 - 130	30	
Hexachlorobutadiene	ND	0.23	60	62	3.3	47	40	16.1	30 - 130	30	
Hexachlorocyclopentadiene	ND	0.23	64	66	3.1	<10	20	NC	30 - 130	30	m

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Hexachloroethane	ND	0.13	55	56	1.8	45	37	19.5	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	0.23	67	69	2.9	68	58	15.9	30 - 130	30	
Isophorone	ND	0.13	63	65	3.1	71	67	5.8	30 - 130	30	
Naphthalene	ND	0.23	63	64	1.6	66	60	9.5	30 - 130	30	
Nitrobenzene	ND	0.13	63	65	3.1	88	85	3.5	30 - 130	30	
N-Nitrosodimethylamine	ND	0.23	58	61	5.0	84	84	0.0	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	0.13	64	68	6.1	91	90	1.1	30 - 130	30	
N-Nitrosodiphenylamine	ND	0.13	83	83	0.0	85	79	7.3	30 - 130	30	
Pentachloronitrobenzene	ND	0.23	69	68	1.5	66	55	18.2	30 - 130	30	
Pentachlorophenol	ND	0.23	57	60	5.1	75	64	15.8	30 - 130	30	
Phenanthrene	ND	0.13	68	68	0.0	72	57	23.3	30 - 130	30	
Phenol	ND	0.23	65	68	4.5	98	97	1.0	30 - 130	30	
Pyrene	ND	0.23	72	73	1.4	77	61	23.2	30 - 130	30	
Pyridine	ND	0.23	39	41	5.0	56	54	3.6	30 - 130	30	
% 2,4,6-Tribromophenol	73	%	73	73	0.0	75	65	14.3	30 - 130	30	
% 2-Fluorobiphenyl	68	%	64	62	3.2	63	56	11.8	30 - 130	30	
% 2-Fluorophenol	56	%	61	64	4.8	78	75	3.9	30 - 130	30	
% Nitrobenzene-d5	67	%	63	66	4.7	89	85	4.6	30 - 130	30	
% Phenol-d5	65	%	68	71	4.3	98	96	2.1	30 - 130	30	
% Terphenyl-d14	71	%	70	69	1.4	71	61	15.2	30 - 130	30	

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 351158 (mg/Kg), QC Sample No: BN66776 (BN66858, BN66859, BN66860, BN66861, BN66862, BN66863, BN66864, BN66865)

TPH by GC (Extractable Products) - Soil

Ext. Petroleum H.C.	ND	50	65	59	9.7	65	73	11.6	60 - 120	30	l
% n-Pentacosane	51	%	64	59	8.1	77	88	13.3	50 - 150	30	

QA/QC Batch 351227 (mg/Kg), QC Sample No: BN66858 (BN66858, BN66859, BN66860, BN66861, BN66862, BN66863, BN66864, BN66865, BN66866, BN66867, BN66868, BN66869, BN66870, BN66871, BN66873)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	0.005	105	109	3.7	110	116	5.3	70 - 130	30	
1,1,1-Trichloroethane	ND	0.005	104	106	1.9	117	115	1.7	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.003	106	109	2.8	106	104	1.9	70 - 130	30	
1,1,2-Trichloroethane	ND	0.005	103	107	3.8	107	104	2.8	70 - 130	30	
1,1-Dichloroethane	ND	0.005	103	106	2.9	109	108	0.9	70 - 130	30	
1,1-Dichloroethene	ND	0.005	103	105	1.9	116	117	0.9	70 - 130	30	
1,1-Dichloropropene	ND	0.005	105	112	6.5	114	112	1.8	70 - 130	30	
1,2,3-Trichlorobenzene	ND	0.005	105	107	1.9	70	69	1.4	70 - 130	30	m
1,2,3-Trichloropropane	ND	0.005	104	106	1.9	109	108	0.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	0.005	101	107	5.8	72	71	1.4	70 - 130	30	
1,2,4-Trimethylbenzene	ND	0.001	102	108	5.7	103	103	0.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	0.005	113	112	0.9	106	103	2.9	70 - 130	30	
1,2-Dibromoethane	ND	0.005	108	112	3.6	112	113	0.9	70 - 130	30	
1,2-Dichlorobenzene	ND	0.005	98	104	5.9	94	93	1.1	70 - 130	30	
1,2-Dichloroethane	ND	0.005	102	104	1.9	118	115	2.6	70 - 130	30	
1,2-Dichloropropane	ND	0.005	104	108	3.8	106	103	2.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	0.001	103	112	8.4	104	107	2.8	70 - 130	30	
1,3-Dichlorobenzene	ND	0.005	99	106	6.8	97	97	0.0	70 - 130	30	
1,3-Dichloropropane	ND	0.005	105	109	3.7	107	109	1.9	70 - 130	30	
1,4-Dichlorobenzene	ND	0.005	97	102	5.0	94	97	3.1	70 - 130	30	
2,2-Dichloropropane	ND	0.005	105	109	3.7	108	107	0.9	70 - 130	30	

QA/QC Data

SDG I.D.: GBN66858

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2-Chlorotoluene	ND	0.005	102	111	8.5	103	107	3.8	70 - 130	30	
2-Hexanone	ND	0.025	99	100	1.0	92	91	1.1	70 - 130	30	
2-Isopropyltoluene	ND	0.005	106	114	7.3	105	106	0.9	70 - 130	30	
4-Chlorotoluene	ND	0.005	98	105	6.9	99	97	2.0	70 - 130	30	
4-Methyl-2-pentanone	ND	0.025	104	106	1.9	103	98	5.0	70 - 130	30	
Acetone	ND	0.01	78	75	3.9	98	93	5.2	70 - 130	30	
Acrylonitrile	ND	0.005	107	106	0.9	104	98	5.9	70 - 130	30	
Benzene	ND	0.001	104	109	4.7	110	109	0.9	70 - 130	30	
Bromobenzene	ND	0.005	104	108	3.8	106	105	0.9	70 - 130	30	
Bromochloromethane	ND	0.005	106	107	0.9	107	108	0.9	70 - 130	30	
Bromodichloromethane	ND	0.005	107	112	4.6	121	117	3.4	70 - 130	30	
Bromoform	ND	0.005	118	123	4.1	118	121	2.5	70 - 130	30	
Bromomethane	ND	0.005	116	121	4.2	148	142	4.1	70 - 130	30	m
Carbon Disulfide	ND	0.005	119	124	4.1	134	131	2.3	70 - 130	30	m
Carbon tetrachloride	ND	0.005	110	112	1.8	119	119	0.0	70 - 130	30	
Chlorobenzene	ND	0.005	102	106	3.8	101	104	2.9	70 - 130	30	
Chloroethane	ND	0.005	107	111	3.7	129	126	2.4	70 - 130	30	
Chloroform	ND	0.005	103	105	1.9	114	112	1.8	70 - 130	30	
Chloromethane	ND	0.005	101	102	1.0	97	96	1.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	0.005	101	105	3.9	104	101	2.9	70 - 130	30	
cis-1,3-Dichloropropene	ND	0.005	107	110	2.8	109	105	3.7	70 - 130	30	
Dibromochloromethane	ND	0.003	114	119	4.3	116	118	1.7	70 - 130	30	
Dibromomethane	ND	0.005	105	105	0.0	112	111	0.9	70 - 130	30	
Dichlorodifluoromethane	ND	0.005	97	97	0.0	106	106	0.0	70 - 130	30	
Ethylbenzene	ND	0.001	104	110	5.6	103	106	2.9	70 - 130	30	
Hexachlorobutadiene	ND	0.005	97	109	11.7	63	67	6.2	70 - 130	30	m
Isopropylbenzene	ND	0.001	104	112	7.4	106	106	0.0	70 - 130	30	
m&p-Xylene	ND	0.002	103	109	5.7	101	103	2.0	70 - 130	30	
Methyl ethyl ketone	ND	0.005	88	88	0.0	87	81	7.1	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	0.001	106	107	0.9	118	116	1.7	70 - 130	30	
Methylene chloride	ND	0.005	89	91	2.2	101	100	1.0	70 - 130	30	
Naphthalene	ND	0.005	115	119	3.4	87	88	1.1	70 - 130	30	
n-Butylbenzene	ND	0.001	97	111	13.5	87	91	4.5	70 - 130	30	
n-Propylbenzene	ND	0.001	99	108	8.7	101	102	1.0	70 - 130	30	
o-Xylene	ND	0.002	106	110	3.7	104	107	2.8	70 - 130	30	
p-Isopropyltoluene	ND	0.001	104	113	8.3	100	102	2.0	70 - 130	30	
sec-Butylbenzene	ND	0.001	104	114	9.2	100	102	2.0	70 - 130	30	
Styrene	ND	0.005	105	107	1.9	102	106	3.8	70 - 130	30	
tert-Butylbenzene	ND	0.001	104	111	6.5	105	106	0.9	70 - 130	30	
Tetrachloroethene	ND	0.005	101	111	9.4	106	109	2.8	70 - 130	30	
Tetrahydrofuran (THF)	ND	0.005	104	106	1.9	100	97	3.0	70 - 130	30	
Toluene	ND	0.001	103	107	3.8	109	105	3.7	70 - 130	30	
trans-1,2-Dichloroethene	ND	0.005	104	106	1.9	116	117	0.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	0.005	106	111	4.6	114	110	3.6	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	0.005	120	122	1.7	118	113	4.3	70 - 130	30	
Trichloroethene	ND	0.005	103	110	6.6	116	112	3.5	70 - 130	30	
Trichlorofluoromethane	ND	0.005	100	104	3.9	122	127	4.0	70 - 130	30	
Trichlorotrifluoroethane	ND	0.005	102	105	2.9	120	119	0.8	70 - 130	30	
Vinyl chloride	ND	0.005	111	115	3.5	118	114	3.4	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	%	99	100	1.0	98	99	1.0	70 - 130	30	
% Bromofluorobenzene	96	%	99	102	3.0	97	103	6.0	70 - 130	30	
% Dibromofluoromethane	100	%	100	100	0.0	102	101	1.0	70 - 130	30	
% Toluene-d8	103	%	100	101	1.0	100	101	1.0	70 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 351169 (mg/Kg), QC Sample No: BN66866 (BN66866, BN66867, BN66868, BN66869, BN66870, BN66871, BN66872, BN66873, BN66874, BN66876, BN66877, BN66878, BN66879, BN66880, BN66881, BN66882, BN66883)

TPH by GC (Extractable Products) - Soil

Ext. Petroleum H.C.	ND	50	64	68	6.1	70	71	1.4	60 - 120	30
% n-Pentacosane	56	%	62	65	4.7	83	89	7.0	50 - 150	30

QA/QC Batch 351149 (ug/L), QC Sample No: BN66875 (BN66875, BN66886)

Semivolatiles (SIM) - Ground Water

1,2,4,5-Tetrachlorobenzene	ND	0.50	71	71	0.0				30 - 130	20
2-Methylnaphthalene	ND	0.02	65	65	0.0				30 - 130	20
Acenaphthene	ND	0.02	83	85	2.4				30 - 130	20
Acenaphthylene	ND	0.02	86	87	1.2				30 - 130	20
Anthracene	ND	0.02	83	84	1.2				30 - 130	20
Benz(a)anthracene	ND	0.02	85	87	2.3				30 - 130	20
Benzo(a)pyrene	ND	0.02	73	74	1.4				30 - 130	20
Benzo(b)fluoranthene	ND	0.02	86	85	1.2				30 - 130	20
Benzo(ghi)perylene	ND	0.02	82	88	7.1				30 - 130	20
Benzo(k)fluoranthene	ND	0.02	84	86	2.4				30 - 130	20
Bis(2-ethylhexyl)phthalate	ND	0.10	86	88	2.3				30 - 130	20
Chrysene	ND	0.02	88	89	1.1				30 - 130	20
Dibenz(a,h)anthracene	ND	0.01	81	84	3.6				30 - 130	20
Fluoranthene	ND	0.02	81	83	2.4				30 - 130	20
Fluorene	ND	0.02	83	84	1.2				30 - 130	20
Hexachlorobenzene	ND	0.02	82	85	3.6				30 - 130	20
Hexachlorobutadiene	ND	0.05	68	66	3.0				30 - 130	20
Hexachloroethane	ND	0.05	56	56	0.0				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	0.02	82	86	4.8				30 - 130	20
Naphthalene	ND	0.02	68	66	3.0				30 - 130	20
Nitrobenzene	ND	0.05	75	72	4.1				30 - 130	20
Pentachloronitrobenzene	ND	0.10	93	94	1.1				30 - 130	20
Pentachlorophenol	ND	0.20	94	95	1.1				30 - 130	20
Phenanthrene	ND	0.02	79	80	1.3				30 - 130	20
Pyrene	ND	0.02	84	87	3.5				30 - 130	20
Pyridine	ND	0.50	43	48	11.0				30 - 130	20
% 2,4,6-Tribromophenol	96	%	95	96	1.0				15 - 110	20
% 2-Fluorobiphenyl	70	%	77	78	1.3				30 - 130	20
% 2-Fluorophenol	60	%	47	50	6.2				15 - 110	20
% Nitrobenzene-d5	73	%	72	70	2.8				30 - 130	20
% Phenol-d5	66	%	57	60	5.1				15 - 110	20
% Terphenyl-d14	84	%	89	90	1.1				30 - 130	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Additional 8270 criteria:20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 351149 (ug/L), QC Sample No: BN66875 (BN66875, BN66886)

Semivolatiles - Ground Water

1,2,4-Trichlorobenzene	ND	3.5	72	70	2.8				30 - 130	20
1,2-Dichlorobenzene	ND	1.0	59	58	1.7				30 - 130	20
1,2-Diphenylhydrazine	ND	1.6	80	82	2.5				30 - 130	20
1,3-Dichlorobenzene	ND	1.0	57	58	1.7				30 - 130	20

QA/QC Data

SDG I.D.: GBN66858

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,4-Dichlorobenzene	ND	1.0	59	58	1.7				30 - 130	20	
2,4,5-Trichlorophenol	ND	1.0	90	96	6.5				30 - 130	20	
2,4,6-Trichlorophenol	ND	1.0	89	89	0.0				30 - 130	20	
2,4-Dichlorophenol	ND	1.0	81	81	0.0				30 - 130	20	
2,4-Dimethylphenol	ND	1.0	84	81	3.6				30 - 130	20	
2,4-Dinitrophenol	ND	1.0	76	93	20.1				30 - 130	20	
2,4-Dinitrotoluene	ND	3.5	88	94	6.6				30 - 130	20	
2,6-Dinitrotoluene	ND	3.5	86	94	8.9				30 - 130	20	
2-Chloronaphthalene	ND	3.5	84	82	2.4				30 - 130	20	
2-Chlorophenol	ND	1.0	62	64	3.2				30 - 130	20	
2-Methylphenol (o-cresol)	ND	1.0	65	67	3.0				30 - 130	20	
2-Nitroaniline	ND	3.5	84	90	6.9				30 - 130	20	
2-Nitrophenol	ND	1.0	76	74	2.7				30 - 130	20	
3&4-Methylphenol (m&p-cresol)	ND	1.0	73	78	6.6				30 - 130	20	
3,3'-Dichlorobenzidine	ND	5.0	57	68	17.6				30 - 130	20	
3-Nitroaniline	ND	5.0	82	84	2.4				30 - 130	20	
4,6-Dinitro-2-methylphenol	ND	1.0	100	109	8.6				30 - 130	20	
4-Bromophenyl phenyl ether	ND	3.5	89	91	2.2				30 - 130	20	
4-Chloro-3-methylphenol	ND	1.0	84	91	8.0				30 - 130	20	
4-Chloroaniline	ND	3.5	72	75	4.1				30 - 130	20	
4-Chlorophenyl phenyl ether	ND	1.0	86	90	4.5				30 - 130	20	
4-Nitroaniline	ND	5.0	84	89	5.8				30 - 130	20	
4-Nitrophenol	ND	1.0	85	95	11.1				15 - 130	20	
Acetophenone	ND	3.5	67	70	4.4				30 - 130	20	
Aniline	ND	3.5	57	63	10.0				30 - 130	20	
Benzidine	ND	4.5	<10	49	NC				30 - 130	20	l
Benzoic acid	ND	10	62	78	22.9				30 - 130	20	r
Benzyl butyl phthalate	ND	1.5	86	93	7.8				30 - 130	20	
Bis(2-chloroethoxy)methane	ND	3.5	83	83	0.0				30 - 130	20	
Bis(2-chloroethyl)ether	ND	1.0	65	60	8.0				30 - 130	20	
Bis(2-chloroisopropyl)ether	ND	1.0	59	57	3.4				30 - 130	20	
Carbazole	ND	5.0	88	89	1.1				30 - 130	20	
Dibenzofuran	ND	3.5	84	87	3.5				30 - 130	20	
Diethyl phthalate	ND	1.5	87	92	5.6				30 - 130	20	
Dimethylphthalate	ND	1.5	87	91	4.5				30 - 130	20	
Di-n-butylphthalate	ND	1.5	95	97	2.1				30 - 130	20	
Di-n-octylphthalate	ND	1.5	86	90	4.5				30 - 130	20	
Hexachlorocyclopentadiene	ND	3.5	47	47	0.0				30 - 130	20	
Isophorone	ND	3.5	77	77	0.0				30 - 130	20	
N-Nitrosodimethylamine	ND	1.0	56	57	1.8				30 - 130	20	
N-Nitrosodi-n-propylamine	ND	3.5	76	81	6.4				30 - 130	20	
N-Nitrosodiphenylamine	ND	3.5	91	96	5.3				30 - 130	20	
Phenol	ND	1.0	61	66	7.9				15 - 130	20	
% 2,4,6-Tribromophenol	103	%	88	93	5.5				15 - 110	20	
% 2-Fluorobiphenyl	76	%	82	79	3.7				30 - 130	20	
% 2-Fluorophenol	54	%	52	53	1.9				15 - 110	20	
% Nitrobenzene-d5	69	%	69	67	2.9				30 - 130	20	
% Phenol-d5	64	%	61	66	7.9				15 - 110	20	
% Terphenyl-d14	120	%	99	96	3.1				30 - 130	20	

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 351168 (mg/Kg), QC Sample No: BN66878 (BN66873, BN66874, BN66876, BN66877, BN66878, BN66879, BN66880, BN66881, BN66882, BN66883)

Semivolatiles - Soil

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2,4,5-Tetrachlorobenzene	ND	0.23	65	70	7.4	56	63	11.8	30 - 130	30	
1,2,4-Trichlorobenzene	ND	0.23	71	72	1.4	56	64	13.3	30 - 130	30	
1,2-Dichlorobenzene	ND	0.18	55	58	5.3	48	54	11.8	30 - 130	30	
1,2-Diphenylhydrazine	ND	0.23	69	71	2.9	56	63	11.8	30 - 130	30	
1,3-Dichlorobenzene	ND	0.23	55	57	3.6	43	49	13.0	30 - 130	30	
1,4-Dichlorobenzene	ND	0.23	56	59	5.2	44	50	12.8	30 - 130	30	
2,4,5-Trichlorophenol	ND	0.23	74	74	0.0	57	65	13.1	30 - 130	30	
2,4,6-Trichlorophenol	ND	0.13	71	72	1.4	55	64	15.1	30 - 130	30	
2,4-Dichlorophenol	ND	0.13	75	80	6.5	61	69	12.3	30 - 130	30	
2,4-Dimethylphenol	ND	0.23	71	76	6.8	61	68	10.9	30 - 130	30	
2,4-Dinitrophenol	ND	0.23	<10	<10	NC	31	25	21.4	30 - 130	30	l,m
2,4-Dinitrotoluene	ND	0.13	67	70	4.4	55	63	13.6	30 - 130	30	
2,6-Dinitrotoluene	ND	0.13	63	66	4.7	51	60	16.2	30 - 130	30	
2-Chloronaphthalene	ND	0.23	71	71	0.0	56	64	13.3	30 - 130	30	
2-Chlorophenol	ND	0.23	64	67	4.6	53	61	14.0	30 - 130	30	
2-Methylnaphthalene	ND	0.23	67	72	7.2	58	65	11.4	30 - 130	30	
2-Methylphenol (o-cresol)	ND	0.23	64	67	4.6	55	61	10.3	30 - 130	30	
2-Nitroaniline	ND	0.33	60	67	11.0	52	59	12.6	30 - 130	30	
2-Nitrophenol	ND	0.23	67	68	1.5	54	61	12.2	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	0.23	62	66	6.3	53	59	10.7	30 - 130	30	
3,3'-Dichlorobenzidine	ND	0.13	61	61	0.0	47	56	17.5	30 - 130	30	
3-Nitroaniline	ND	0.33	59	64	8.1	49	55	11.5	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	0.23	25	19	27.3	54	49	9.7	30 - 130	30	l
4-Bromophenyl phenyl ether	ND	0.23	76	76	0.0	59	68	14.2	30 - 130	30	
4-Chloro-3-methylphenol	ND	0.23	75	80	6.5	63	71	11.9	30 - 130	30	
4-Chloroaniline	ND	0.23	68	74	8.5	55	63	13.6	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	0.23	60	62	3.3	49	56	13.3	30 - 130	30	
4-Nitroaniline	ND	0.23	72	75	4.1	59	67	12.7	30 - 130	30	
4-Nitrophenol	ND	0.23	66	69	4.4	52	58	10.9	30 - 130	30	
Acenaphthene	ND	0.23	69	69	0.0	54	62	13.8	30 - 130	30	
Acenaphthylene	ND	0.13	69	69	0.0	55	62	12.0	30 - 130	30	
Acetophenone	ND	0.23	60	64	6.5	53	59	10.7	30 - 130	30	
Aniline	ND	0.33	61	63	3.2	46	51	10.3	30 - 130	30	
Anthracene	ND	0.23	73	74	1.4	58	66	12.9	30 - 130	30	
Benz(a)anthracene	ND	0.23	74	75	1.3	58	68	15.9	30 - 130	30	
Benzidine	ND	0.33	23	28	19.6	<10	<10	NC	30 - 130	30	l,m
Benzo(a)pyrene	ND	0.13	71	71	0.0	53	62	15.7	30 - 130	30	
Benzo(b)fluoranthene	ND	0.16	74	77	4.0	59	67	12.7	30 - 130	30	
Benzo(ghi)perylene	ND	0.23	79	78	1.3	60	69	14.0	30 - 130	30	
Benzo(k)fluoranthene	ND	0.23	73	66	10.1	49	59	18.5	30 - 130	30	
Benzoic Acid	ND	0.33	11	10	9.5	12	15	22.2	30 - 130	30	l,m
Benzyl butyl phthalate	ND	0.23	76	76	0.0	57	66	14.6	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	0.23	80	84	4.9	65	73	11.6	30 - 130	30	
Bis(2-chloroethyl)ether	ND	0.13	52	55	5.6	43	49	13.0	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	0.23	59	62	5.0	51	58	12.8	30 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bis(2-ethylhexyl)phthalate	ND	0.23	80	80	0.0	61	71	15.2	30 - 130	30	
Carbazole	ND	0.23	73	74	1.4	58	66	12.9	30 - 130	30	
Chrysene	ND	0.23	73	74	1.4	56	65	14.9	30 - 130	30	
Dibenz(a,h)anthracene	ND	0.13	73	74	1.4	57	66	14.6	30 - 130	30	
Dibenzofuran	ND	0.23	68	70	2.9	55	62	12.0	30 - 130	30	
Diethyl phthalate	ND	0.23	62	66	6.3	50	58	14.8	30 - 130	30	
Dimethylphthalate	ND	0.23	67	70	4.4	53	62	15.7	30 - 130	30	
Di-n-butylphthalate	ND	0.23	78	79	1.3	60	69	14.0	30 - 130	30	
Di-n-octylphthalate	ND	0.23	77	77	0.0	58	68	15.9	30 - 130	30	
Fluoranthene	ND	0.23	74	75	1.3	59	67	12.7	30 - 130	30	
Fluorene	ND	0.23	68	71	4.3	56	64	13.3	30 - 130	30	
Hexachlorobenzene	ND	0.13	79	76	3.9	59	70	17.1	30 - 130	30	
Hexachlorobutadiene	ND	0.23	70	71	1.4	54	60	10.5	30 - 130	30	
Hexachlorocyclopentadiene	ND	0.23	67	67	0.0	46	50	8.3	30 - 130	30	
Hexachloroethane	ND	0.13	53	56	5.5	41	46	11.5	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	0.23	76	76	0.0	57	67	16.1	30 - 130	30	
Isophorone	ND	0.13	67	71	5.8	55	62	12.0	30 - 130	30	
Naphthalene	ND	0.23	73	76	4.0	59	66	11.2	30 - 130	30	
Nitrobenzene	ND	0.13	61	65	6.3	54	60	10.5	30 - 130	30	
N-Nitrosodimethylamine	ND	0.23	65	65	0.0	54	60	10.5	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	0.13	65	70	7.4	59	64	8.1	30 - 130	30	
N-Nitrosodiphenylamine	ND	0.13	75	80	6.5	61	71	15.2	30 - 130	30	
Pentachloronitrobenzene	ND	0.23	70	69	1.4	55	62	12.0	30 - 130	30	
Pentachlorophenol	ND	0.23	75	70	6.9	56	65	14.9	30 - 130	30	
Phenanthrene	ND	0.13	73	73	0.0	57	64	11.6	30 - 130	30	
Phenol	ND	0.23	73	75	2.7	60	66	9.5	30 - 130	30	
Pyrene	ND	0.23	76	77	1.3	61	68	10.9	30 - 130	30	
Pyridine	ND	0.23	48	49	2.1	29	33	12.9	30 - 130	30	m
% 2,4,6-Tribromophenol	65	%	81	81	0.0	62	72	14.9	30 - 130	30	
% 2-Fluorobiphenyl	59	%	65	65	0.0	50	57	13.1	30 - 130	30	
% 2-Fluorophenol	50	%	65	68	4.5	52	60	14.3	30 - 130	30	
% Nitrobenzene-d5	54	%	62	66	6.3	54	62	13.8	30 - 130	30	
% Phenol-d5	57	%	70	71	1.4	57	63	10.0	30 - 130	30	
% Terphenyl-d14	66	%	72	72	0.0	56	65	14.9	30 - 130	30	

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 351217 (mg/Kg), QC Sample No: BN66882 (BN66874, BN66882)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	0.005	100	89	11.6	81	91	11.6	70 - 130	30	
1,1,1-Trichloroethane	ND	0.005	96	86	11.0	80	91	12.9	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.003	96	88	8.7	83	95	13.5	70 - 130	30	
1,1,2-Trichloroethane	ND	0.005	95	88	7.7	80	90	11.8	70 - 130	30	
1,1-Dichloroethane	ND	0.005	100	89	11.6	83	94	12.4	70 - 130	30	
1,1-Dichloroethene	ND	0.005	107	93	14.0	86	99	14.1	70 - 130	30	
1,1-Dichloropropene	ND	0.005	100	90	10.5	81	92	12.7	70 - 130	30	
1,2,3-Trichlorobenzene	ND	0.005	99	89	10.6	47	52	10.1	70 - 130	30	m
1,2,3-Trichloropropane	ND	0.005	86	81	6.0	80	91	12.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	0.005	98	87	11.9	50	54	7.7	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	0.001	97	85	13.2	75	87	14.8	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	0.005	101	94	7.2	78	89	13.2	70 - 130	30	
1,2-Dibromoethane	ND	0.005	98	87	11.9	80	89	10.7	70 - 130	30	

QA/QC Data

SDG I.D.: GBN66858

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dichlorobenzene	ND	0.005	101	91	10.4	71	83	15.6	70 - 130	30	
1,2-Dichloroethane	ND	0.005	98	87	11.9	82	92	11.5	70 - 130	30	
1,2-Dichloropropane	ND	0.005	99	89	10.6	82	94	13.6	70 - 130	30	
1,3,5-Trimethylbenzene	ND	0.001	97	85	13.2	77	89	14.5	70 - 130	30	
1,3-Dichlorobenzene	ND	0.005	99	87	12.9	71	81	13.2	70 - 130	30	
1,3-Dichloropropane	ND	0.005	92	85	7.9	79	87	9.6	70 - 130	30	
1,4-Dichlorobenzene	ND	0.005	100	87	13.9	69	80	14.8	70 - 130	30	m
2,2-Dichloropropane	ND	0.005	109	96	12.7	80	87	8.4	70 - 130	30	
2-Chlorotoluene	ND	0.005	99	88	11.8	80	92	14.0	70 - 130	30	
2-Hexanone	ND	0.025	84	76	10.0	66	73	10.1	70 - 130	30	m
2-Isopropyltoluene	ND	0.005	103	92	11.3	79	94	17.3	70 - 130	30	
4-Chlorotoluene	ND	0.005	94	84	11.2	75	85	12.5	70 - 130	30	
4-Methyl-2-pentanone	ND	0.025	93	86	7.8	79	88	10.8	70 - 130	30	
Acetone	ND	0.01	82	74	10.3	70	77	9.5	70 - 130	30	
Acrylonitrile	ND	0.005	96	89	7.6	78	88	12.0	70 - 130	30	
Benzene	ND	0.001	98	89	9.6	81	92	12.7	70 - 130	30	
Bromobenzene	ND	0.005	102	91	11.4	82	97	16.8	70 - 130	30	
Bromochloromethane	ND	0.005	97	89	8.6	83	94	12.4	70 - 130	30	
Bromodichloromethane	ND	0.005	103	92	11.3	84	95	12.3	70 - 130	30	
Bromoform	ND	0.005	100	89	11.6	80	89	10.7	70 - 130	30	
Bromomethane	ND	0.005	119	107	10.6	93	107	14.0	70 - 130	30	
Carbon Disulfide	ND	0.005	113	101	11.2	89	103	14.6	70 - 130	30	
Carbon tetrachloride	ND	0.005	106	93	13.1	82	97	16.8	70 - 130	30	
Chlorobenzene	ND	0.005	98	87	11.9	78	88	12.0	70 - 130	30	
Chloroethane	ND	0.005	108	96	11.8	86	100	15.1	70 - 130	30	
Chloroform	ND	0.005	92	84	9.1	77	88	13.3	70 - 130	30	
Chloromethane	ND	0.005	101	87	14.9	77	89	14.5	70 - 130	30	
cis-1,2-Dichloroethene	ND	0.005	98	89	9.6	81	92	12.7	70 - 130	30	
cis-1,3-Dichloropropene	ND	0.005	100	90	10.5	78	89	13.2	70 - 130	30	
Dibromochloromethane	ND	0.003	102	90	12.5	81	93	13.8	70 - 130	30	
Dibromomethane	ND	0.005	101	91	10.4	83	94	12.4	70 - 130	30	
Dichlorodifluoromethane	ND	0.005	95	84	12.3	70	81	14.6	70 - 130	30	
Ethylbenzene	ND	0.001	99	86	14.1	80	89	10.7	70 - 130	30	
Hexachlorobutadiene	ND	0.005	109	96	12.7	55	72	26.8	70 - 130	30	m
Isopropylbenzene	ND	0.001	99	88	11.8	84	97	14.4	70 - 130	30	
m&p-Xylene	ND	0.002	94	84	11.2	75	84	11.3	70 - 130	30	
Methyl ethyl ketone	ND	0.005	86	77	11.0	67	75	11.3	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	0.001	89	81	9.4	75	86	13.7	70 - 130	30	
Methylene chloride	ND	0.005	87	78	10.9	79	87	9.6	70 - 130	30	
Naphthalene	ND	0.005	101	90	11.5	54	59	8.8	70 - 130	30	m
n-Butylbenzene	ND	0.001	99	88	11.8	67	81	18.9	70 - 130	30	m
n-Propylbenzene	ND	0.001	99	86	14.1	79	93	16.3	70 - 130	30	
o-Xylene	ND	0.002	97	85	13.2	76	86	12.3	70 - 130	30	
p-Isopropyltoluene	ND	0.001	100	89	11.6	75	88	16.0	70 - 130	30	
sec-Butylbenzene	ND	0.001	99	88	11.8	76	91	18.0	70 - 130	30	
Styrene	ND	0.005	91	82	10.4	69	78	12.2	70 - 130	30	m
tert-Butylbenzene	ND	0.001	99	87	12.9	81	95	15.9	70 - 130	30	
Tetrachloroethene	ND	0.005	105	94	11.1	83	93	11.4	70 - 130	30	
Tetrahydrofuran (THF)	ND	0.005	92	86	6.7	81	90	10.5	70 - 130	30	
Toluene	ND	0.001	103	92	11.3	82	94	13.6	70 - 130	30	
trans-1,2-Dichloroethene	ND	0.005	100	90	10.5	83	94	12.4	70 - 130	30	
trans-1,3-Dichloropropene	ND	0.005	103	94	9.1	79	86	8.5	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	0.005	114	98	15.1	82	90	9.3	70 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Trichloroethene	ND	0.005	102	90	12.5	83	93	11.4	70 - 130	30	
Trichlorofluoromethane	ND	0.005	105	92	13.2	85	97	13.2	70 - 130	30	
Trichlorotrifluoroethane	ND	0.005	111	100	10.4	90	107	17.3	70 - 130	30	
Vinyl chloride	ND	0.005	106	96	9.9	84	94	11.2	70 - 130	30	
% 1,2-dichlorobenzene-d4	95	%	103	104	1.0	102	104	1.9	70 - 130	30	
% Bromofluorobenzene	100	%	98	98	0.0	96	95	1.0	70 - 130	30	
% Dibromofluoromethane	104	%	101	101	0.0	99	99	0.0	70 - 130	30	
% Toluene-d8	88	%	102	103	1.0	100	101	1.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 351354 (mg/Kg), QC Sample No: BN66883 (BN66872 (250X) , BN66876, BN66877, BN66878, BN66879, BN66880, BN66881, BN66883, BN66884, BN66885 (50X))

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	0.005	85	97	13.2	84	83	1.2	70 - 130	30	
1,1,1-Trichloroethane	ND	0.005	82	95	14.7	83	81	2.4	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.003	84	94	11.2	84	82	2.4	70 - 130	30	
1,1,2-Trichloroethane	ND	0.005	84	96	13.3	83	81	2.4	70 - 130	30	
1,1-Dichloroethane	ND	0.005	85	96	12.2	85	82	3.6	70 - 130	30	
1,1-Dichloroethene	ND	0.005	92	105	13.2	87	85	2.3	70 - 130	30	
1,1-Dichloropropene	ND	0.005	85	98	14.2	86	84	2.4	70 - 130	30	
1,2,3-Trichlorobenzene	ND	0.005	85	92	7.9	79	74	6.5	70 - 130	30	
1,2,3-Trichloropropane	ND	0.005	80	84	4.9	79	76	3.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	0.005	87	93	6.7	78	74	5.3	70 - 130	30	
1,2,4-Trimethylbenzene	ND	0.001	84	90	6.9	80	78	2.5	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	0.005	88	102	14.7	89	84	5.8	70 - 130	30	
1,2-Dibromoethane	ND	0.005	83	96	14.5	84	81	3.6	70 - 130	30	
1,2-Dichlorobenzene	ND	0.005	87	97	10.9	85	83	2.4	70 - 130	30	
1,2-Dichloroethane	ND	0.005	85	97	13.2	83	82	1.2	70 - 130	30	
1,2-Dichloropropane	ND	0.005	86	96	11.0	85	84	1.2	70 - 130	30	
1,3,5-Trimethylbenzene	ND	0.001	82	90	9.3	81	79	2.5	70 - 130	30	
1,3-Dichlorobenzene	ND	0.005	86	94	8.9	81	79	2.5	70 - 130	30	
1,3-Dichloropropane	ND	0.005	80	92	14.0	81	78	3.8	70 - 130	30	
1,4-Dichlorobenzene	ND	0.005	86	93	7.8	80	79	1.3	70 - 130	30	
2,2-Dichloropropane	ND	0.005	84	105	22.2	94	85	10.1	70 - 130	30	
2-Chlorotoluene	ND	0.005	84	92	9.1	82	81	1.2	70 - 130	30	
2-Hexanone	ND	0.025	74	83	11.5	73	69	5.6	70 - 130	30	m
2-Isopropyltoluene	ND	0.005	86	95	9.9	85	83	2.4	70 - 130	30	
4-Chlorotoluene	ND	0.005	81	90	10.5	79	78	1.3	70 - 130	30	
4-Methyl-2-pentanone	ND	0.025	85	96	12.2	83	80	3.7	70 - 130	30	
Acetone	ND	0.01	78	82	5.0	73	68	7.1	70 - 130	30	m
Acrylonitrile	ND	0.005	89	99	10.6	87	81	7.1	70 - 130	30	
Benzene	ND	0.001	85	96	12.2	83	82	1.2	70 - 130	30	
Bromobenzene	ND	0.005	88	97	9.7	84	84	0.0	70 - 130	30	
Bromochloromethane	ND	0.005	87	96	9.8	85	84	1.2	70 - 130	30	
Bromodichloromethane	ND	0.005	88	100	12.8	87	86	1.2	70 - 130	30	
Bromoform	ND	0.005	89	99	10.6	86	84	2.4	70 - 130	30	
Bromomethane	ND	0.005	99	117	16.7	89	91	2.2	70 - 130	30	
Carbon Disulfide	ND	0.005	98	111	12.4	92	90	2.2	70 - 130	30	
Carbon tetrachloride	ND	0.005	87	103	16.8	89	86	3.4	70 - 130	30	
Chlorobenzene	ND	0.005	84	95	12.3	82	81	1.2	70 - 130	30	
Chloroethane	ND	0.005	93	103	10.2	83	83	0.0	70 - 130	30	
Chloroform	ND	0.005	80	91	12.9	81	79	2.5	70 - 130	30	

QA/QC Data

SDG I.D.: GBN66858

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Chloromethane	ND	0.005	85	97	13.2	71	71	0.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	0.005	84	96	13.3	84	82	2.4	70 - 130	30	
cis-1,3-Dichloropropene	ND	0.005	87	99	12.9	84	81	3.6	70 - 130	30	
Dibromochloromethane	ND	0.003	87	98	11.9	83	84	1.2	70 - 130	30	
Dibromomethane	ND	0.005	86	100	15.1	87	83	4.7	70 - 130	30	
Dichlorodifluoromethane	ND	0.005	77	90	15.6	65	64	1.6	70 - 130	30	m
Ethylbenzene	ND	0.001	85	95	11.1	83	83	0.0	70 - 130	30	
Hexachlorobutadiene	ND	0.005	92	102	10.3	88	86	2.3	70 - 130	30	
Isopropylbenzene	ND	0.001	84	92	9.1	83	83	0.0	70 - 130	30	
m&p-Xylene	ND	0.002	81	92	12.7	81	79	2.5	70 - 130	30	
Methyl ethyl ketone	ND	0.005	78	89	13.2	77	71	8.1	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	0.001	77	88	13.3	78	76	2.6	70 - 130	30	
Methylene chloride	ND	0.005	77	86	11.0	79	80	1.3	70 - 130	30	
Naphthalene	ND	0.005	87	95	8.8	82	76	7.6	70 - 130	30	
n-Butylbenzene	ND	0.001	84	93	10.2	81	80	1.2	70 - 130	30	
n-Propylbenzene	ND	0.001	82	93	12.6	83	81	2.4	70 - 130	30	
o-Xylene	ND	0.002	83	93	11.4	82	81	1.2	70 - 130	30	
p-Isopropyltoluene	ND	0.001	85	95	11.1	82	82	0.0	70 - 130	30	
sec-Butylbenzene	ND	0.001	83	93	11.4	84	82	2.4	70 - 130	30	
Styrene	ND	0.005	80	89	10.7	77	77	0.0	70 - 130	30	
tert-Butylbenzene	ND	0.001	82	92	11.5	83	82	1.2	70 - 130	30	
Tetrachloroethene	ND	0.005	92	103	11.3	89	90	1.1	70 - 130	30	
Tetrahydrofuran (THF)	ND	0.005	86	98	13.0	88	82	7.1	70 - 130	30	
Toluene	ND	0.001	89	99	10.6	88	87	1.1	70 - 130	30	
trans-1,2-Dichloroethene	ND	0.005	87	98	11.9	85	83	2.4	70 - 130	30	
trans-1,3-Dichloropropene	ND	0.005	86	101	16.0	86	83	3.6	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	0.005	90	107	17.3	90	83	8.1	70 - 130	30	
Trichloroethene	ND	0.005	88	99	11.8	85	86	1.2	70 - 130	30	
Trichlorofluoromethane	ND	0.005	88	101	13.8	84	82	2.4	70 - 130	30	
Trichlorotrifluoroethane	ND	0.005	97	109	11.7	96	91	5.3	70 - 130	30	
Vinyl chloride	ND	0.005	91	104	13.3	79	77	2.6	70 - 130	30	
% 1,2-dichlorobenzene-d4	97	%	102	102	0.0	103	102	1.0	70 - 130	30	
% Bromofluorobenzene	100	%	97	99	2.0	97	97	0.0	70 - 130	30	
% Dibromofluoromethane	109	%	99	102	3.0	103	98	5.0	70 - 130	30	
% Toluene-d8	89	%	102	103	1.0	102	102	0.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.
m = This parameter is outside laboratory MS/MSD specified recovery limits.
r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
July 12, 2016

Sample Criteria Exceedences Report

GBN66858 - TRC-DAS

Criteria: CT: GAM, GWP, SWP
State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BN66872	$8260MAR	Acetone	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	72000	14000	14000	ug/Kg
BN66872	$8260MAR	Dibromochloromethane	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	870	10	10	ug/Kg
BN66872	$8260MAR	cis-1,3-Dichloropropene	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	1400	10	10	ug/Kg
BN66872	$8260MAR	Chloromethane	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	1400	54	54	ug/Kg
BN66872	$8260MAR	Chloroform	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	1400	120	120	ug/Kg
BN66872	$8260MAR	Carbon tetrachloride	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	1400	100	100	ug/Kg
BN66872	$8260MAR	Bromomethane	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	1400	200	200	ug/Kg
BN66872	$8260MAR	Bromoform	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	1400	80	80	ug/Kg
BN66872	$8260MAR	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	1400	11	11	ug/Kg
BN66872	$8260MAR	1,1,1,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	1400	20	20	ug/Kg
BN66872	$8260MAR	Acrylonitrile	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	1400	10	10	ug/Kg
BN66872	$8260MAR	Methyl t-butyl ether (MTBE)	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	2900	2000	2000	ug/Kg
BN66872	$8260MAR	4-Methyl-2-pentanone	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	7200	7000	7000	ug/Kg
BN66872	$8260MAR	1,3,5-Trimethylbenzene	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	12000	1400	7000	7000	ug/Kg
BN66872	$8260MAR	1,2-Dichloropropane	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	1400	100	100	ug/Kg
BN66872	$8260MAR	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	1400	20	20	ug/Kg
BN66872	$8260MAR	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	1400	10	10	ug/Kg
BN66872	$8260MAR	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	1400	140	140	ug/Kg
BN66872	$8260MAR	1,1,2-Trichloroethane	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	1400	100	100	ug/Kg
BN66872	$8260MAR	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	870	10	10	ug/Kg
BN66872	$8260MAR	Benzene	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	1400	20	20	ug/Kg
BN66872	$8260MAR	Vinyl chloride	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	1400	40	40	ug/Kg
BN66872	$8260MAR	Isopropylbenzene	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	1900	1400	600	600	ug/Kg
BN66872	$8260MAR	Methylene chloride	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	2900	100	100	ug/Kg
BN66872	$8260MAR	n-Butylbenzene	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	4500	1400	1400	1400	ug/Kg
BN66872	$8260MAR	n-Propylbenzene	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	11000	1400	1400	1400	ug/Kg
BN66872	$8260MAR	p-Isopropyltoluene	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	2200	1400	600	600	ug/Kg
BN66872	$8260MAR	sec-Butylbenzene	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	2800	1400	1400	1400	ug/Kg
BN66872	$8260MAR	Tetrachloroethene	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	1400	100	100	ug/Kg
BN66872	$8260MAR	trans-1,3-Dichloropropene	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	1400	10	10	ug/Kg
BN66872	$8260MAR	Trichloroethene	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	1400	100	100	ug/Kg
BN66872	$8260MAR	Methyl Ethyl Ketone	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC	ND	8700	8000	8000	ug/Kg
BN66875	$8260GWR	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (ug/L)	ND	1.0	0.05	0.05	ug/L
BN66875	$8260GWR	Acrylonitrile	CT / VOLATILE ORGANIC COMPOUND / GWPC (ug/L)	ND	5.0	0.5	0.5	ug/L
BN66875	AS-WM	Arsenic	CT / INORGANIC SUBSTANCES / GWPC (µg/L)	0.019	0.004	0.01	0.01	mg/L
BN66875	AS-WM	Arsenic	CT / INORGANIC SUBSTANCES / SWPC (µg/L)	0.019	0.004	0.004	0.004	mg/L
BN66875	CR-WM	Chromium	CT / INORGANIC SUBSTANCES / GWPC (µg/L)	0.118	0.001	0.05	0.05	mg/L
BN66875	PB-WM	Lead	CT / INORGANIC SUBSTANCES / GWPC (µg/L)	0.055	0.002	0.015	0.015	mg/L
BN66875	PB-WM	Lead	CT / INORGANIC SUBSTANCES / SWPC (µg/L)	0.055	0.002	0.013	0.013	mg/L
BN66886	$8260GWR	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (ug/L)	ND	1.0	0.05	0.05	ug/L

Sample Criteria Exceedences Report

GBN66858 - TRC-DAS

Criteria: CT: GAM, GWP, SWP

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BN66886	$8260GWR	Acrylonitrile	CT / VOLATILE ORGANIC COMPOUND / GWPC (ug/L)	ND	5.0	0.5	0.5	ug/L
BN66887	$8260GWR	Acrylonitrile	CT / VOLATILE ORGANIC COMPOUND / GWPC (ug/L)	ND	5.0	0.5	0.5	ug/L
BN66887	$8260GWR	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / GWPC (ug/L)	ND	1.0	0.05	0.05	ug/L

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** TRC Environmental Corp.

Project Location: COLCHESTER MAINTENANCE **Project Number:**

Laboratory Sample ID(s): BN66858, BN66859, BN66860, BN66861, BN66862, BN66863, BN66864, BN66865, BN66866, BN66867, BN66868, BN66869, BN66870, BN66871, BN66872, BN66873, BN66874, BN66875, BN66876, BN66877, BN66878, BN66879, BN66880, BN66881, BN66882, BN66883, BN66884, BN66885, BN66886, BN66887

Sampling Date(s): 7/5/2016

RCP Methods Used:

☐ 1311/1312 ☑ 6010 ☐ 7000 ☐ 7196 ☑ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☐ 8082 ☐ 8151 ☑ 8260 ☑ 8270 ☑ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Sections: ETPH Narration, SVOA Narration, VOA Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☐ Yes ☑ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Date: Tuesday, July 12, 2016

Authorized Signature: Ethan Lee

Printed Name: Ethan Lee

Position: Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

RCP Certification Report

July 12, 2016

SDG I.D.: GBN66858

SDG Comments

Metals Analysis:
The client requested a shorter list of elements than the 6010 RCP list. Only the RCRA 8 Metals are reported as requested on the chain of custody.

BN66872 - Sample(s) required a dilution for Volatiles due to the presence of target and/or non-target compounds. This resulted in elevated reporting limits that exceed the requested criteria for one or more analytes.

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 351158 (Samples: BN66858, BN66859, BN66860, BN66861, BN66862, BN66863, BN66864, BN66865): -----

The LCS and/or the LCSD recovery is below the method criteria. All of the other QC is acceptable, therefore no significant bias is suspected. (Ext. Petroleum H.C.)

Instrument:

AU-FID1 07/07/16-2 Jeff Bucko, Chemist 07/07/16

BN66864, BN66867, BN66871

The initial calibration (ETPH621I) RSD for the compound list was less than 30% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

AUFID-D1 07/06/16-1 Jeff Bucko, Chemist 07/06/16

BN66866, BN66868, BN66870, BN66872, BN66873, BN66874, BN66876

The initial calibration (ETPH614I) RSD for the compound list was less than 30% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

AUFID-D1 07/07/16-2 Jeff Bucko, Chemist 07/07/16

BN66858, BN66859, BN66860, BN66861, BN66865, BN66869, BN66877, BN66878, BN66879, BN66880, BN66881, BN66882, BN66883

The initial calibration (ETPH614I) RSD for the compound list was less than 30% except for the following compounds: None.
As per section 7.2.3, a discrimination check standard was run and contained the following outliers: C36 58.1%L (20%)
The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

AUFID-D1 07/08/16-1 Jeff Bucko, Chemist 07/08/16

BN66863

The initial calibration (ETPH614I) RSD for the compound list was less than 30% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

AU-XL1 07/06/16-1 Jeff Bucko, Chemist 07/06/16

BN66875, BN66886

The initial calibration (ETPH613I) RSD for the compound list was less than 30% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

AU-XL1 07/08/16-1 Jeff Bucko, Chemist 07/08/16

BN66862

The initial calibration (ETPH613I) RSD for the compound list was less than 30% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 30% except for the following compounds:
Samples: BN66862
Preceding CC 708A004 - Pentacosane -100%L (30%)

Environmental Laboratories, Inc.
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RCP Certification Report

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SDG I.D.: GBN66858

ETPH Narration

Succeeding CC 708A018 - None.

QC (Batch Specific):

Batch 350984 (BN66259)

BN66875, BN66886

All LCS recoveries were within 60 - 120 with the following exceptions: None.
All LCSD recoveries were within 60 - 120 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Batch 351158 (BN66776)

BN66858, BN66859, BN66860, BN66861, BN66862, BN66863, BN66864, BN66865

All LCS recoveries were within 60 - 120 with the following exceptions: None.
All LCSD recoveries were within 60 - 120 with the following exceptions: Ext. Petroleum H.C.(59%)
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Batch 351169 (BN66866)

BN66866, BN66867, BN66868, BN66869, BN66870, BN66871, BN66872, BN66873, BN66874, BN66876, BN66877, BN66878, BN66879, BN66880, BN66881, BN66882, BN66883

All LCS recoveries were within 60 - 120 with the following exceptions: None.
All LCSD recoveries were within 60 - 120 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Mercury Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

MERLIN 07/06/16 08:46 Mike Arsenault, Mike Arsenault, Rick Schweitzer, Rick Schwe

BN66858, BN66859, BN66860, BN66861, BN66862, BN66863, BN66864, BN66865, BN66866, BN66867, BN66868, BN66869, BN66870, BN66871, BN66872, BN66873, BN66874, BN66875, BN66876, BN66877, BN66878, BN66879, BN66880, BN66881, BN66882, BN66883, BN66886

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interference for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 351202 (BN66886)

BN66875, BN66886

All LCS recoveries were within 70 - 130 with the following exceptions: None.
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

PHOENIX

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Certification Report

July 12, 2016

SDG I.D.: GBN66858

Mercury Narration

Batch 351203 (BN66554)

BN66858, BN66859, BN66860, BN66861, BN66862, BN66863, BN66864, BN66865, BN66866, BN66867, BN66868

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

Batch 351204 (BN66184)

BN66869, BN66870, BN66871, BN66872, BN66873, BN66874, BN66876, BN66877, BN66878, BN66879, BN66880, BN66881, BN66882, BN66883

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

ICP Metals Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

ARCOS 07/06/16 05:57 Emily Kolominskaya, Chemist 07/06/16

BN66858, BN66859, BN66860, BN66861, BN66862, BN66863, BN66864, BN66865, BN66866, BN66867, BN66868, BN66869, BN66870, BN66871, BN66872, BN66873, BN66874, BN66876, BN66877, BN66878, BN66879, BN66880, BN66881, BN66882, BN66883

The linear range is defined daily by the calibration range.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.
The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

ARCOS 07/06/16 19:46 Emily Kolominskaya, Laura Kinnin, Chemist 07/06/16

BN66875

The linear range is defined daily by the calibration range.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.
The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

BLUE 07/06/16 09:00 Laura Kinnin, Chemist 07/06/16

BN66886

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.The linear range is defined daily by the calibration range.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.
The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

QC (Batch Specific):

Environmental Laboratories, Inc.
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Certification Report

July 12, 2016

SDG I.D.: GBN66858

ICP Metals Narration

Batch 351152 (BN66165)

BN66875, BN66886

All LCS recoveries were within 75 - 125 with the following exceptions: None.

Batch 351160 (BN66785)

BN66858, BN66859, BN66860, BN66861, BN66862, BN66863, BN66864, BN66865, BN66866, BN66867, BN66868, BN66869, BN66870

All LCS recoveries were within 75 - 125 with the following exceptions: None.

Batch 351170 (BN66871)

BN66871, BN66872, BN66873, BN66874, BN66876, BN66877, BN66878, BN66879, BN66880, BN66881, BN66882, BN66883

All LCS recoveries were within 75 - 125 with the following exceptions: None.

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 351139 (Samples: BN66858, BN66859, BN66860, BN66861, BN66862, BN66863, BN66864, BN66865, BN66866, BN66867, BN66868, BN66869, BN66870, BN66871, BN66872): -----

The QC recoveries for one or more analytes are below method criteria. A low bias is possible. (Benzidine)

One or more analytes is below the method criteria. A low bias for these analytes is possible. (2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Benzoic Acid)

QC Batch 351149 (Samples: BN66875, BN66886): -----

The LCS and/or the LCSD recovery is below the method criteria. All of the other QC is acceptable, therefore no significant bias is suspected. (Benzidine)

The LCS/LCSD RPD exceeds the method criteria for one or more analytes, but these analytes were not reported in the sample(s) so no variability is suspected. (Benzoic acid)

QC Batch 351168 (Samples: BN66873, BN66874, BN66876, BN66877, BN66878, BN66879, BN66880, BN66881, BN66882, BN66883): -----

One or more analytes is below the method criteria. A low bias for these analytes is possible. (4,6-Dinitro-2-methylphenol)

The QC recoveries for one or more analytes is below the method criteria. A slight low bias is likely. (2,4-Dinitrophenol, Benzidine, Benzoic Acid)

Instrument:

CHEM19 07/05/16-1 Damien Drobinski, Chemist 07/05/16

BN66858, BN66859, BN66860, BN66861

The DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.

Initial Calibration Verification (CHEM19/SV_0630):
95% of target compounds met criteria.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

July 12, 2016

SDG I.D.: GBN66858

SVOA Narration

The following compounds had %RSDs >20%: 2,4-Dinitrophenol 26% (20%), Benzoic acid 31% (20%)
The following compounds did not meet recommended response factors: 2-Nitrophenol 0.059 (0.1), Hexachlorobenzene 0.085 (0.1)
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM19/0705_04-SV_0630):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
100% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: 2-Nitrophenol 0.057 (0.1), Hexachlorobenzene 0.077 (0.1)
The following compounds did not meet minimum response factors: None.

CHEM19 07/06/16-1 Damien Drobinski, Chemist 07/06/16

BN66862

The DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.

Initial Calibration Verification (CHEM19/SV_0630):
95% of target compounds met criteria.
The following compounds had %RSDs >20%: 2,4-Dinitrophenol 26% (20%), Benzoic acid 31% (20%)
The following compounds did not meet recommended response factors: 2-Nitrophenol 0.059 (0.1), Hexachlorobenzene 0.085 (0.1)
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM19/0706_02A-SV_0630):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
99% of target compounds met criteria.
The following compounds did not meet % deviation criteria: Benzoic acid 32%H (30%)
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: 2-Nitrophenol 0.057 (0.1), Hexachlorobenzene 0.080 (0.1)
The following compounds did not meet minimum response factors: None.

CHEM25 07/05/16-2 Damien Drobinski, Chemist 07/05/16

BN66863, BN66864, BN66865, BN66866, BN66867, BN66868, BN66869, BN66870, BN66871, BN66872, BN66873, BN66874, BN66876, BN66877, BN66878, BN66879, BN66880, BN66881, BN66882, BN66883

Initial Calibration Verification (CHEM25/SV_0519):
98% of target compounds met criteria.
The following compounds had %RSDs >20%: 4,6-Dinitro-2-methylphenol 22% (20%)
The following compounds did not meet recommended response factors: 2-Nitrophenol 0.070 (0.1), Hexachlorobenzene 0.087 (0.1)
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM25/0705_36-SV_0519):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
100% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.

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RCP Certification Report

July 12, 2016

SDG I.D.: GBN66858

SVOA Narration

The following compounds did not meet recommended response factors: 2-Nitrophenol 0.065 (0.1), Hexachlorobenzene 0.084 (0.1)
The following compounds did not meet minimum response factors: None.

CHEM25 07/07/16-1 Damien Drobinski, Chemist 07/07/16

BN66875, BN66886

Initial Calibration Verification (CHEM25/SV_0706):
94% of target compounds met criteria.
The following compounds had %RSDs >20%: 2,4-Dinitrophenol 21% (20%), 2-Nitrophenol 22% (20%), 4,6-Dinitro-2-methylphenol 32% (20%), 4-Chloroaniline 21% (20%)
The following compounds did not meet recommended response factors: 2-Nitrophenol 0.066 (0.1)
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM25/0707_02-SV_0706):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
99% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: 2-Nitrophenol 0.059 (0.1)
The following compounds did not meet minimum response factors: None.

QC (Batch Specific):

Batch 351139 (BN66698)

BN66858, BN66859, BN66860, BN66861, BN66862, BN66863, BN66864, BN66865, BN66866, BN66867, BN66868, BN66869, BN66870, BN66871, BN66872

All LCS recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(<10%), 4,6-Dinitro-2-methylphenol(18%), Benzidine(19%), Benzoic Acid(<10%)
All LCSD recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(<10%), 4,6-Dinitro-2-methylphenol(18%), Benzidine(19%), Benzoic Acid(<10%)
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Batch 351149 (BN66875)

BN66875, BN66886

All LCS recoveries were within 30 - 130 with the following exceptions: Benzidine(<10%)
All LCSD recoveries were within 30 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 20% with the following exceptions: Benzoic acid(22.9%)
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.
Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

Batch 351168 (BN66878)

BN66873, BN66874, BN66876, BN66877, BN66878, BN66879, BN66880, BN66881, BN66882, BN66883

All LCS recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(<10%), 4,6-Dinitro-2-methylphenol(25%), Benzidine(23%), Benzoic Acid(11%)
All LCSD recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(<10%), 4,6-Dinitro-2-methylphenol(19%), Benzidine(28%), Benzoic Acid(10%)
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

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NY # 11301

RCP Certification Report

July 12, 2016

SDG I.D.: GBN66858

SVOASIM Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

CHEM04 07/07/16-1 Damien Drobinski, Chemist 07/07/16

BN66875, BN66886

The DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.

In the event that lower detection levels were requested, the samples may have been analyzed by selective ion monitoring (SIM) mode.

If PAH/base neutral were requested, Phoenix utilized a method that contained a shortened list , so some of the compounds in the narrative may be non-applicable.

Initial Calibration Verification (CHEM04/SIM_0701):
90% of target compounds met criteria.
The following compounds had %RSDs >20%: Benzo(b)fluoranthene 21% (20%), Pentachlorophenol 24% (20%), Phenanthrene 22% (20%)
The following compounds did not meet recommended response factors: None.
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM04/0707_02-SIM_0701):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
100% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

QC (Batch Specific):

Batch 351149 (BN66875)

BN66875, BN66886

All LCS recoveries were within 30 - 130 with the following exceptions: None.
All LCSD recoveries were within 30 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 20% with the following exceptions: None.
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.
Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

VOA Narration

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RCP Certification Report

July 12, 2016

SDG I.D.: GBN66858

VOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 351221 (Samples: BN66875, BN66886, BN66887): -----

The LCS and/or the LCSD recovery is above the upper range for one or more analytes that were not reported in the sample(s), therefore no significant bias is suspected. (trans-1,4-dichloro-2-butene)

The LCS/LCSD RPD exceeds the method criteria for one or more analytes, but these analytes were not reported in the sample(s) so no variability is suspected. (1,2-Dibromo-3-chloropropane, 2-Hexanone, 4-Methyl-2-pentanone, Acrylonitrile, Methyl ethyl ketone, Methyl t-butyl ether (MTBE), Tetrahydrofuran (THF))

Instrument:

CHEM03 07/05/16-1 Jane Li, Chemist 07/05/16

BN66858, BN66859, BN66860, BN66861, BN66862, BN66863, BN66864, BN66865, BN66866, BN66867, BN66868, BN66869, BN66870, BN66871, BN66873

Initial Calibration Verification (CHEM03/VT-L0701):
98% of target compounds met criteria.
The following compounds had %RSDs >20%: Acetone 37% (20%), Methyl Ethyl Ketone 25% (20%)
The following compounds did not meet recommended response factors: None.
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM03/0705L03-VT-L0701):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
100% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

CHEM17 07/05/16-2 Michael Hahn, Chemist 07/05/16

BN66875, BN66886, BN66887

Initial Calibration Verification (CHEM17/VT-S0629M):
99% of target compounds met criteria.
The following compounds had %RSDs >20%: Bromomethane 30% (20%)
The following compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.039 (0.05), Acetone 0.053 (0.1), Methyl ethyl ketone 0.074 (0.1)
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM17/0705S30-VT-S0629M):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
100% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.034 (0.05)
The following compounds did not meet minimum response factors: None.

CHEM18 07/05/16-2 Jane Li, Chemist 07/05/16

BN66874, BN66882

Initial Calibration Verification (CHEM18/VT-M0704):
99% of target compounds met criteria.

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RCP Certification Report

July 12, 2016

SDG I.D.: GBN66858

VOA Narration

The following compounds had %RSDs >20%: Acetone 21% (20%)
The following compounds did not meet recommended response factors: None.
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM18/0705M34-VT-M0704):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
100% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

CHEM18 07/06/16-1 Jane Li, Chemist 07/06/16

BN66872, BN66876, BN66877, BN66878, BN66879, BN66880, BN66881, BN66883, BN66884, BN66885

Initial Calibration Verification (CHEM18/VT-M0704):
99% of target compounds met criteria.
The following compounds had %RSDs >20%: Acetone 21% (20%)
The following compounds did not meet recommended response factors: None.
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM18/0706M02-VT-M0704):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
100% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: Bromoform 0.097 (0.1)
The following compounds did not meet minimum response factors: None.

QC (Batch Specific):

Batch 351217 (BN66882)

BN66874, BN66882

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

Batch 351221 (BN66023)

BN66875, BN66886, BN66887

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: trans-1,4-dichloro-2-butene(131%)
All LCS/LCSD RPDs were less than 30% with the following exceptions: 1,2-Dibromo-3-chloropropane(31.8%), 2-Hexanone(33.3%), 4-Methyl-2-pentanone(40.0%), Acrylonitrile(40.0%), Methyl ethyl ketone(37.7%), Methyl t-butyl ether (MTBE)(34.3%), Tetrahydrofuran (THF)(38.0%)
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.
Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

Batch 351227 (BN66858)

BN66858, BN66859, BN66860, BN66861, BN66862, BN66863, BN66864, BN66865, BN66866, BN66867, BN66868, BN66869, BN66870, BN66871, BN66873

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NY # 11301

RCP Certification Report

July 12, 2016

SDG I.D.: GBN66858

VOA Narration

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

Batch 351354 (BN66883)

BN66872, BN66876, BN66877, BN66878, BN66879, BN66880, BN66881, BN66883, BN66884, BN66885

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

Temperature Narration

The samples were received at 5C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [X] No [ ]
Temp 5 °C Pg 1 of 3

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery:
[ ] Fax #:
[X] Email: LBane@trcsolutions.com

Customer: TRC
Address: 21 Griffin Rd. N
Windsor, CT 06095

Project: Colchester Maintenance Facility
Report to: Liam Bane
Invoice to: Liam Bane
Phone #: (860) 298-9692
Fax #: (860) 298-6399

Project P.O: Pending

This section MUST be completed with Bottle Quantities.

Client Sample Information - Identification

Sampler's Signature: [signature] Date: 7/5/16

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs	SVOCs	ETPH	Total RCRA 8 Metals	Soil VOA Vials [ ] methanol [X] H2O	GL Soil container (8) oz ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria (as is)	Bacteria (w/thio)
66858	CMF-B1 (.5-2)	Soil	7/5/16	0845	X	X	X	X	3	1								4
66859	CMF-B1 (10-12)	Soil	7/5/16	0855	X	X	X	X	3	1								4
66860	CMF-B2 (.5-2)	Soil	7/5/16	0910	X	X	X	X	3	1								4
66861	CMF-B2 (8-10)	Soil	7/5/16	0915	X	X	X	X	3	1								4
66862	CMF-B3 (.5-2)	Soil	7/5/16	0940	X	X	X	X	3	1								4
66863	CMF-B3 (7.5-9.5)	Soil	7/5/16	0945	X	X	X	X	3	1								4
66864	CMF-B4 (.5-2)	Soil	7/5/16	1005	X	X	X	X	3	1								4
66865	CMF-B4 (7.5-9.5)	Soil	7/5/16	1010	X	X	X	X	3	1								4
66866	CMF-B5 (.5-2)	Soil	7/5/16	1025	X	X	X	X	3	1								4
66867	CMF-B5 (7.5-9.5)	Soil	7/5/16	1030	X	X	X	X	3	1								4
66868	CMF-B6 (.5-2)	Soil	7/5/16	1050	X	X	X	X	3	1								4
66869	CMF-B6 (7.5-9.5)	Soil	7/5/16	1055	X	X	X	X	3	1								4

Relinquished by:	Accepted by:	Date:	Time:
[signature]	TF[illegible]	7/5/16	1610

Comments, Special Requirements or Regulations:
- Will Call with PO

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[X] RCP Cert
[X] GW Protection
[ ] SW Protection
[X] GA Mobility
[ ] GB Mobility
[ ] Residential DEC
[ ] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

State where samples were collected: CT

Data Format
[X] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[X] Phoenix Std Report
[ ] Other

* SURCHARGE APPLIES

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [X] No [ ]

Temp 5 °C Pg 2 of 3

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery:
[ ] Fax #:
[X] Email: LBane@trcsolutions.com

Customer: TRC
Address: 21 Griffin Rd N
Windsor, CT 06095

Project: Colchester MF
Report to: Liam Bane
Invoice to: Liam Bane
Phone #: (860) 298-9692
Fax #: (860) 298-6399

Project P.O: Pending

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature _____ Date: _____

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs	SVOCs	ETPH	Total RCRA 8 Metals								Soil VOA Vials [1] methanol [1] H2O	GL Soil container (8) oz ( ) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [X] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria (as is)	Bacteria (w/thio)
66870	CMF-B16 (7.5-9.5)	Soil	7/5/16	1100	X	X	X	X								3	1								4
66871	CMF-B7 (.5-2)	Soil	7/5/16	1135	X	X	X	X								3	1								4
66872	CMF-B7 (7.5-9.5)	Soil	7/5/16	1140	X	X	X	X								3	1								4
66873	CMF-B8 (.5-2)	Soil	7/5/16	1200	X	X	X	X								3	1								4
66874	CMF-B8 (7.5-9.5)	Soil	7/5/16	1205	X	X	X	X								3	1								4
66875	CMF-GW6	GW	7/5/16	1205	X	X	X	X										3	2		1				6
66876	CMF-B9 (.5-2)	Soil	7/5/16	1225	X	X	X	X								3	1								4
66877	CMF-B9 ~~(7.5-9.5)~~ (7-9)	Soil	7/5/16	1230	X	X	X	X								3	1								4
66878	CMF-B10 (.5-2)	Soil	7/5/16	1245	X	X	X	X								3	1								4
66879	CMF-B10 (8-10)	Soil	7/5/16	1250	X	X	X	X								3	1								4
66880	CMF-B11 (.5-2)	Soil	7/5/16	1305	X	X	X	X								3	1								4
66881	CMF-B11 (7-9)	Soil	7/5/16	1310	X	X	X	X								3	1								4

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	7/5/16	1610

Comments, Special Requirements or Regulations:
-Will call with PO

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[X] RCP Cert
[X] GW Protection
[ ] SW Protection
[X] GA Mobility
[ ] GB Mobility
[ ] Residential DEC
[ ] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

State where samples were collected: CT

Data Format
[X] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[X] Phoenix Std Report
[ ] Other

* SURCHARGE APPLIES

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [X] No [ ]

Temp 5 °C Pg 3 of 3

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
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Data Delivery:
[ ] Fax #:
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Address: 21 Griffin Rd N
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Report to: Liam Bane
Invoice to: Liam Bane
Phone #: (860) 298-9692
Fax #: (860) 298-6399

Project P.O: Pending

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature _____ Date: _____

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs	SVOCs	ETPH	Total RCRA 8 Metals	Soil VOA Vials [ ] 1 methanol [2] H2O	GL Soil container (8) oz ( ) oz	40 ml VOA Vial [ ] As is [1] HCl	GL Amber 1000ml [X] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 250ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria (as is)	Bacteria (w/thio)
66882	CMF-B12 (5-2)	Soil	7/5/16	1320	X	X	X	X	3	1								4
66883	CMF-B13 (5-2)	Soil	7/5/16	1325	X	X	X	X	3	1								4
66884	CMF-SB070516L	Blank	7/5/16	1335	X				2									2
66885	CMF-SB070516H	Blank	7/5/16	1335	X				1									1
66886	CMF-FB070516	DI	7/5/16	1340	X	X	X	X			3	2		1				6
66887	CMF-TB070516	DI	7/5/16	1345	X						2							2

Relinquished by:	Accepted by:	Date:	Time:
[signature]	TFAUMM	7/5/16	1610

Comments, Special Requirements or Regulations:
- Will Call with PO.

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[X] RCP Cert
[X] GW Protection
[ ] SW Protection
[X] GA Mobility
[ ] GB Mobility
[ ] Residential DEC
[ ] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

Data Format
[X] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[X] Phoenix Std Report
[X] Other

State where samples were collected: CT

* SURCHARGE APPLIES