

APPENDIX V

July 23, 2013

DIVERSIFIED REALTY ADVISORS, LLC

Suite 20
47 River Road
Summit, New Jersey 07091

Attn: Mr. Charles H. Tint
Vice President
O: 908-273-2400 X1109
C: 908-514-1329
ctint@DiversifiedRA.com

Re: Limited Site Investigation & Geophysical Surveys
Former Hudson River Psychiatric Center
Hudson View Drive
Poughkeepsie, Dutchess County, New York
PSI Project No.: 0836484-1

Dear Mr. Tint:

Professional Service Industries (PSI) recently conducted a Limited Site Investigation (LSI) at the Auto Shop (Building #99), Car Wash portion of Building #51 and the Powerhouse which is Building #33 and Geophysical Surveys at the Car Wash and Auto Shop within the subject property referenced above (The Site). Presented below is a summary of our findings and recommendations.

Authorization

Diversified Realty Advisors, LLC (Diversified) authorized PSI to commence work by signing PSI Proposal #0836-98382 - Revised, dated June 21, 2013. The Contractual Agreement between PSI and Diversified was signed by Mr. Charles Tint of Diversified on June 26, 2013. This scope of work is a result of PSI's recommendations in the recently-completed DRAFT Phase I Environmental Site Assessment (ESA) for the Site submitted by PSI on June 20, 2013.

Project Understanding

PSI understands that the Site is a portion of the former Hudson River Psychiatric Center as shown on the Site Location Maps on **Figures 1 and 2**. Diversified requested that PSI investigate the Recognized Environmental Conditions (RECs) associated with the Site that were identified in the draft Phase I ESA.

For this LSI, PSI investigated four of the five RECs that were identified in the draft Phase I ESA; the fifth REC is identified in the Phase I ESA as Landfill Area #6. This

landfill has been extensively investigated in the past, so PSI did not recommend any additional investigation in this area. The following 4 RECs were addressed as part of this LSI:

On-site Recognized Environmental Conditions

Coal Storage at Powerhouse

A coal storage pile was formerly present adjacent to Building #33 - the Power House. Coal storage piles may leach heavy metals into the underlying soil and groundwater and may contaminate storm water run-off. The former coal stockpile is considered evidence of a REC in connection with the subject property. The Power House area is shown on **Figure 3**.

Drains at Car Wash

The Car Wash located at the end of the east wing of Building #51 was operated at the Site for a number of years. PSI observed drains in the general floor area. No records pertaining to history of the drains or their connection to infrastructure was currently available. Given the lack of information available regarding the drain in the Car Wash and the possible connection to a dry well, the car wash drains represent evidence of a REC. The Car Wash area is shown on **Figure 4**.

Drains at Auto Shop

An Auto Service Shop also known as Building #99 was operated at the northeast portion of the subject property. PSI observed a closed drain in the lift pit. No records pertaining to history of the drains or their connection to infrastructure was currently available. Given the lack of information available regarding the Auto Shop on the subject property and the drain in the lift pit, this drain in connection with use of the building for auto repair represents evidence of a REC. The Auto Shop area is shown on **Figure 5**.

Drum Storage at Garages Behind the Auto Shop

In the previous 1996 Phase I ESA performed by PSI, a large stain was observed in the former drum storage area between the garages, also known as Building #30, behind the Auto Shop. The drums were removed but no documentation on the clean-up of the stained area was available. This staining represents a REC. Information pertaining to this area is shown on **Figure 6**.

Project Objective

The objective for this project is to determine if underground structures such as a drywell or oil water separator (OWS) supported the Car Wash or Auto Shop still remain on-site and if the materials in Coal Storage and Oil Drum Storage areas have resulted in a release of hazardous substances or petroleum in these general areas of the Site exceeding New York State regulatory standards.

Scope of Work & Site Activities

The LSI was performed in general accordance with NYSDEC, Division of Environmental Remediation (DER) DER-10, Technical Guidance for Site Investigation and Remediation (May 2010).

Sampling operations were performed on July 1 and 2, 2013 and were directed by a PSI field supervisor, with field personnel who are OSHA-trained in accordance with 29 CFR 1910.120. Equipment decontamination, sample collection, field documentation, sample custody and laboratory analyses were in general accordance with methods prescribed by NYSDEC and the United States Environmental Protection Agency (USEPA).

The analyses were performed by Pace Analytical Services, Inc. (PACE) of Schenectady, New York, an Environmental Laboratory Accreditation Program (ELAP)-accredited laboratory.

Field quality control samples were not collected and analyzed as part of the assessment, limiting the data validation process, and therefore, the data provided will be considered sufficient for preliminary evaluation purposes only.

The specific scope of the work performed by PSI for this LSI is described below:

1. General preparations and operations included updating the Health & Safety Plan (HASP).
2. Notified an underground utility service (DIG SAFELY NEW YORK) who located utilities in the general work areas.
3. Subcontracted with New York Leak Detection, Inc. (NYLD) to perform ground penetrating surveys (GPS) via several different methods on the accessible portions of the Site at the Car Wash and Auto Shop areas. A variable wattage magnetometer (VWM) was used to assess the suspected drain pipe runs in the Car Wash area and it was followed up with a Ground Penetrating Radar (GPR) survey of the areas depending upon the findings in the field in two building locations. This survey required access to the drains and piping head covers in the building. Access to the drain in the Auto Shop Lift Pit was not able to be accomplished as the drain had been completely filled in with concrete. The GPR and the VWM were used to assist in determining if underground anomalies are detected that may indicate the presence of drywells, an OWS or void spaces. PSI and NYLD surveyed the areas in both a North-South and West-East pattern in order to adequately cover the areas in question. Upon location, all anomalies were painted directly on the ground surface with their depths.
4. PSI installed two soil borings in the Power House area as shown on **Figure 3**. Numerous attempts to install these borings were made but refusal was encountered on dense glacial till at depths of 5.0 to 7.0 feet in each location.

Groundwater was not encountered in any of the borings in the Power House area. Soil samples from 6.0 to 7.0 feet were obtained in the two Power House Coal Storage Area boring locations and were analyzed as follows:

- EPA Method 6010/7471 for Target Analyte List (TAL) Metals
5. The VWM and GPR work at the Car Wash area located two oil water separators (OWS) associated with the drains as shown on **Figure 4**. One OWS was located inside the building and the second OWS was located at the exterior of the building. The two OWS features are in-line and are still connected to the facility sewer line that paralleled the east side of the car wash facility. The main north-south drain and the two drains in the northwest portion of the car wash area were connected to the interior OWS. The southeast drain and the toilet and sink in the bathroom area were directly connected to the sewer line. Based on these findings, three boring locations as shown on **Figure 4** were chosen after utility clearance was performed by GPR and VWM methodologies. These three borings (Nos. 3, 4 and 5) were installed using direct push technology (Geoprobe™) to a maximum termination depth of approximately twenty-feet below bgs. Groundwater was not encountered in any of these three borings; however, temporary wells were placed in Boring Nos. 3 and 4 to verify that water would not develop overnight. Groundwater did not develop overnight in Boring Nos. 3 and 4, so in lieu of these samples PSI obtained water samples from both the interior OWS and the exterior OWS and analyzed them as follows:

- EPA Method 8260 for volatile organic compounds (VOCs).
- EPA Method 8270 for semi-volatile organic compounds (SVOCs).

Soil samples at depths of 19-20 feet bgs were obtained from each of the three borings on the exterior of the Car Wash area and were analyzed as follows:

- EPA Method 8260 for VOCs.
 - EPA Method 8270 for SVOCs.
6. The VWM and GPR work at the Auto Shop Area did not indicate the presence of any below grade feature such as an OWS. The drain in the lift pit at the eastern portion of the building had previously been concreted in-place and connection via VWM methodologies was not possible. Based on these findings and the assumed northwesterly groundwater flow direction in this area, three boring locations as shown on **Figure 5** were chosen after utility clearance was received by GPR and VWM methodologies. These three borings (Nos. 6, 7 and 8) were installed using direct push technology (Geoprobe™) to a maximum termination depth of approximately twenty-feet below bgs. Groundwater was encountered in all of these three borings. During the boring installation, field screening of soil

samples was performed on a continuous basis with no readings above the background level of 0.0 ppm. An odor was detected in the soil sample from 9-10 feet bgs in Boring No. 8 and a sample was obtained and analyzed as follows:

- EPA Method 8260 for volatile organic compounds (VOCs).
 - EPA Method 8270 for semi-volatile organic compounds (SVOCs).
 - EPA Method 6010 for lead compounds.
7. Field screening of all collected soil samples for organic vapors was performed using a photoionization detector (PID). Organic vapor measurements and lithological descriptions were recorded on standard field forms and are presented in **Attachment A**.
8. Eight-inches of concrete were cored from the bottom of the lift in the pit area within the Auto Shop Area. Continuous soil samples were obtained using the geoprobe to a depth of four feet below the bottom of the concrete. Field screening of soil samples was performed on a continuous basis with no readings above the background level of 0.0 ppm. No soil sample was collected for laboratory analysis from this boring based on no evidence of impact (i.e. staining, odor, etc.). Two hydraulic lifts were observed in the Auto Shop Area. Concrete cores adjacent to these areas were removed (4-inches thick) and the soil was continuously sampled by slide hammer methodology to a depth of four feet below the bottom of the concrete. Field screening of soil samples was performed on a continuous basis with no readings above the background level of 0.0 ppm. A composite sample from the western lift was obtained from 0-4 feet and analyzed as follows:
- EPA Method 8260 for volatile organic compounds (VOCs).
 - EPA Method 8270 for semi-volatile organic compounds (SVOCs).
 - EPA Method 6010 for lead compounds.
9. Access to the former drum storage area (**See Figure 6**) between the center and eastern garages behind the Auto Shop was obtained by cutting shrubs, bushes, trees and vines. Upon access to this area, four hand dug test pits were excavated as shown on **Figure 6**.
10. Groundwater was encountered in the three of the borings at the Auto Shop area and these borings were converted into temporary wells. A groundwater sample was collected from borings, B-6, B-7 and B-8. The groundwater samples were collected in laboratory provided sample containers, preserved on ice and were

hand delivered under chain of custody to the laboratory. The groundwater samples were analyzed as follows:

- EPA Method 8260 for volatile organic compounds (VOCs).
- EPA Method 8270 for semi-volatile organic compounds (SVOCs).
- EPA Method 6010 for lead compounds.

11. After the sampling event was completed, the boring locations were plugged with the site spoils and bentonite and finished with concrete or site spoils.

Data Interpretation

PSI understands that the areas investigated during this LSI and geophysical survey have tentative future plans as a residential development. With this type of proposed development, the soil and groundwater samples were reviewed and interpreted as follows.

The soil sample results were compared to the 6 NYCRR Part 375 Table 6-8 (a) Unrestricted Use Soil Clean Up Objectives (SCOs) and 6 NYCRR Part 375 Table 6-8 (b) for Restricted Residential Use SCOs for all samples collected and submitted to the laboratory for analysis.

Laboratory analysis results for groundwater samples and water samples taken from the OWS' were compared to the NYSDEC Technical Operations and Guidance Series 1.1.1 (TOGS) Groundwater Standards and Guidance Values for all samples collected and submitted to the laboratory for analysis.

Coal Storage at Powerhouse

Soil Sample Analytical Results

Soil samples were obtained from each of the two boring locations and analyzed for the Target Analyte List (TAL) Metals. A total of twenty-three (23) compounds comprise the TAL Metals. In both of the Powerhouse borings, a number of metals were detected above the laboratory detection limits. Twenty (20) compounds were detected in Boring B-1 and nineteen (19) compounds were detected in Boring B-2. Three metals (copper, nickel and zinc) were detected at concentrations above the Unrestricted SCOs and two metals (arsenic and manganese) were detected above the Restricted Residential SCOs in Boring B-1. Two compounds (nickel and zinc) were detected above the Unrestricted SCOs and one compound (manganese) was detected above the Restricted Residential SCOs in Boring B-2. Please reference **Table 1**, attached at the end of this report, for a summary of soil sample results for metals in the Powerhouse area.

Drains at Car Wash

Soil Sample Analytical Results

Soil samples were obtained from each of the three boring locations and analyzed for VOCs and SVOCs. In all three borings (B-3, B-4 and B-5), the laboratory analysis indicated compounds were detected above the laboratory detection limits. The VOC, acetone was detected in all three of the boring at concentrations ranging from 24 to 32 ppb. Discussions with the laboratory indicate that the acetone detected in these samples is most likely a laboratory artifact. These values are all below the Unrestricted SCO for acetone of 50 ppb. No SVOCs were detected above the laboratory detection limits for any of the soil samples associated with the Car Wash area. Please reference **Table 2**, attached at the end of this report, for a summary of soil sample results for VOCs and SVOCs in the Car Wash area.

Groundwater Sample and OWS Analytical Results

Groundwater was not encountered in three boring locations (B-3, B-4 and B-5), associated with the Car Wash area. Two water samples were obtained, one from each of the observed OWS features. Analytical results for the sample obtained from the inside OWS did not indicate the presence of any VOCs or SVOCs above the laboratory detection limits.

Analytical results for VOCs associated with the outside OWS indicated a high concentration of VOCs and the sample had to be diluted several orders of magnitude to allow the proper calibration of the laboratory analytical device. The VOCs, acetone and methyl tert-butyl ether (MTBE), had concentrations of 110,000 micrograms per liter or parts per billion (ppb) and 49,000 ppb, respectively. These concentrations are orders of magnitude above the NYSDEC TOGS Guidance Values, but as previously indicated this feature is connected to the on-site sewer system. Due to the significant laboratory dilution of the exterior OWS VOC sample, it is PSI's opinion that many other VOCs could also be above their respective NYSDEC TOGS Guidance Values if the diluted analysis was not required.

Analytical results for SVOCs associated with the outside OWS indicated that four compounds were above their respective NYSDEC TOGS Guidance Values. The four compounds are: 2,4-Dimethylphenol; 2-methylphenol; 3&4-Methylphenol and phenol. Please reference **Table 3**, attached at the end of this report, for a summary of water sample results for VOCs and SVOCs in the Car Wash area.

Drains at Auto Shop

Soil Sample Analytical Results

Soil samples were obtained from two of the six boring locations and analyzed for VOCs, SVOCs, lead and PCBs. The VOC, acetone was detected in both of the borings at concentrations of 113 and 139 ppb. These values are both above the Unrestricted SCO for acetone of 50 ppb but below the Restricted Residential SCO of 100,000 ppb (100

ppm). As previously stated above, the laboratory believes the concentrations of acetone encountered most likely are laboratory artifacts. No SVOCs were detected above the laboratory detection limits for any of the soil samples associated with the Auto Shop area. Lead was detected in the soil sample from boring B-8 at a concentration of 14.7 ppm which is below the Unrestricted SCO of 63 ppm. PCBs were not detected above the laboratory detection limits in the sample associated with the Auto Shop – West Lift. Please reference **Table 4**, attached at the end of this report, for a summary of soil sample results for VOCs, SVOCs, lead and PCBs in the Auto Shop area.

Groundwater Sample Analytical Results

Groundwater was encountered in the three boring locations (B-6, B-7 and B-8) associated with the Auto Shop area. The three borings were converted to temporary monitoring wells and identified as TMW-6, TMW-7 and TMW-8, respectively. VOCs were not detected above the laboratory detection limit in the three temporary monitoring well sample locations. In the sample from TMW-6, four SVOC compounds were detected above the laboratory detection limit and three of the compounds (benzo(a)anthracene, benzo(b)fluoranthene, and chrysene) were above their respective NYSDEC TOGS Guidance Values. In the samples from TMW-7 and TMW-8, no SVOCs were detected above the laboratory detection limit. Two (TMW-6 and TMW-8) of the three groundwater samples contained lead at concentrations above the respective NYSDEC TOGS Guidance Value. However, the water samples were extremely turbid and PSI suspected that the sample results might be biased high due to suspended sediment in the samples. PSI subsequently requested that the laboratory filter the samples in order to analyze for dissolved lead. The dissolved lead concentrations were below the method detection limits in both TMW-6 and TMW-7, so it does not appear that the groundwater is impacted by lead in the auto shop area.

Please reference **Table 5**, attached at the end of this report, for a summary of groundwater sample results for VOCs, SVOCs, and lead in the Auto Shop area.

A copy of the Laboratory Analytical Results is presented in **Attachment B**.

Drum Storage at Garages Behind the Auto Shop

As previously discussed, access to the former drum storage area between the center and eastern garages behind the Auto Shop was obtained by cutting shrubs, bushes, trees and vines. Upon access to this area, four hand dug test pits were excavated as shown on **Figure 6**. The top three to six inches consisted of black organic silty sand with no evidence of staining or odors. PID readings were not above the background value of 0.0 ppm. The underlying soil to a depth of 12-inches was light brown, fine to medium sand and gravel with some silt. No odors or stains were observed in this material. The PID readings were all at the background level of 0.0 ppm. Based on the lack of evidence of a spill, soil samples were not obtained for analytical analysis.

Conclusions

Significant results associated with the evaluation of the data presented above are as follows:

- Soils containing arsenic and manganese concentrations above the unrestricted and restricted residential SCOs are present in the Powerhouse area. These impacts are likely associated with leaching of these metals from the long term coal stockpiles that were previously located in this area. Groundwater was not encountered within this area and was not sampled.
- Interior and exterior OWS systems were located at the Car Wash area. Drains located in the Car Wash area have been traced to connections with the interior and exterior OWS systems. These OWS systems terminate to the former on-site sewer system. Liquids and sediments in the interior and exterior OWS systems contain high concentrations of numerous VOCs and SVOCs and will have to be properly disposed.
- An underground OWS system was not encountered in the Auto Shop area based on the VMW and GPR Survey.
- A number of SVOCs were detected in the groundwater in the in the Auto Shop area at concentrations exceeding the NYSDEC TOGS Guidance Values. SVOCs were detected immediately up-gradient of the auto shop, but were not detected in the down-gradient wells, so it appears that the area of impact may be limited in extent.
- The staining noted in the 1996 Phase I report in the area between the eastern and central structures north of the Auto Shop area was not encountered during this investigation. Based on the lack of visual evidence of impact, no samples were collected from this area.

Recommendations

PSI's understands that the areas investigated during this LSI and geophysical survey may be used in the future as a residential development. Based on our findings during this project, PSI recommends the following:

- Additional soil sampling is recommended in the power house coal stockpile area in order to delineate the horizontal and vertical extent of arsenic and manganese impacted soils. These impacted soils are required to be managed as per local, state and federal guidelines and cannot be used for clean fill at an off-site location.

- Additional soil and groundwater sampling is recommended southwest and south of the auto shop area in order to delineate the extent of SVOCs in groundwater and to attempt to locate the source of these impacts. Sources could possibly be former USTs associated with the former Powerhouse or remnants associated with long term coal storage at the Powerhouse area.
- The oil water separators that were identified in the car wash area should be removed prior to development. The fluid contained in the exterior OWS contains VOCs and SVOCs at concentrations exceeding the TOGS standards; therefore the soil and liquids from the OWS should be properly disposed at a permitted facility.
- The two lifts in the Auto Shop should be removed.
- Existing agreements with the NYSDEC relative to Landfill # 6 should be performed/completed. A recent letter from the NYSDEC indicates that only Operation and Maintenance (O&M) are now required.
- Develop a Soil Management Plan (SMP) to address the likely petroleum impacts from the previous tank removals.

Warranty

The information provided in this LSI Report, prepared by PSI under Project Number 0836-484-1 is intended exclusively for Diversified, as they pertain to the subject property located at the Former Hudson River Psychiatric Center in Poughkeepsie, New York at the time when the LSI activities were conducted. No unnamed third party shall have the right to rely on this report without the express written consent of PSI, as well as payment of the then current reliance letter fee. The professional services provided have been performed in accordance with practices generally accepted by other appropriate environmental professionals, geologists, engineers, and environmental scientists practicing in this field. No other warranty, either expressed or implied, is made.

PSI is not an insurer and makes no guarantee or warranty that the services supplied will avert or mitigate occurrences, or the consequences of occurrences, that the services are designed to prevent or ameliorate. As with all subsurface soil sampling, there is no guarantee that the work conducted has identified any and all sources or locations of petroleum hydrocarbons or hazardous substances or chemicals in the soil and/or groundwater. This report is issued with the understanding that the Client is responsible for ensuring that the information contained in this report is brought to the attention of the owner and/or tenants.

Use by Third Parties

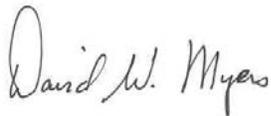
This report was prepared pursuant to the contract PSI has with Diversified. That contractual relationship included an exchange of information about the subject property

that was unique and between PSI and its client and serves as the basis upon which this report was prepared. Because of the importance of the communication between PSI and its client, reliance or any use of this report by anyone other than Diversified, for whom it was prepared, is prohibited and therefore not foreseeable to PSI.

Please call with any questions you may have regarding this LSI. We thank you for choosing PSI as your consultant and look forward to working with you on this site in the future.

Respectfully Submitted,

PROFESSIONAL SERVICE INDUSTRIES, INC.



David W. Myers, C.G.
Senior Environmental
Scientist



Paul Misiaszek, CHMM
Principal Consultant &
Environmental Specialist

Figures

Tables

Attachment A

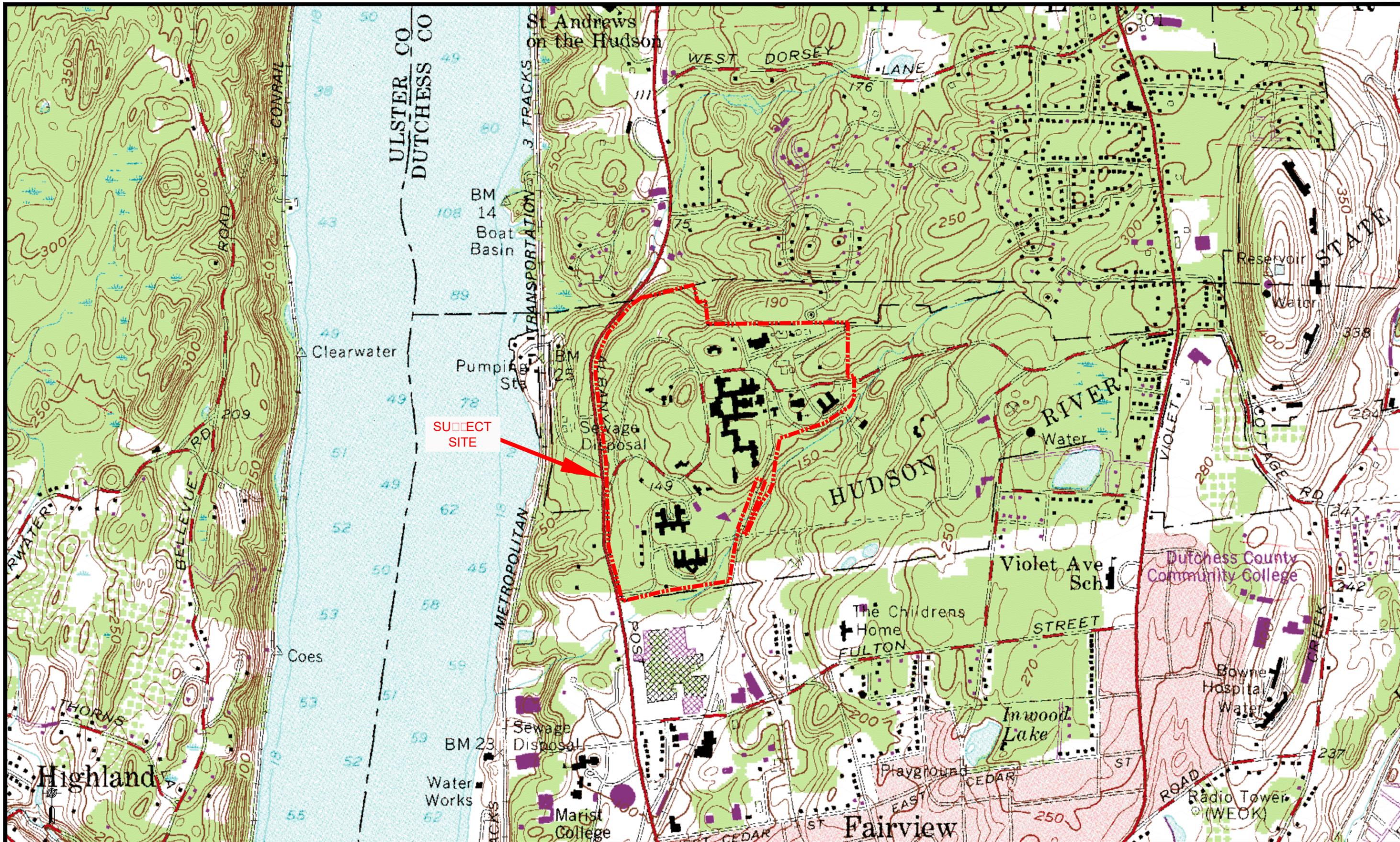
Attachment B

Soil Boring Logs

Laboratory Analytical Reports

P:\PROJECTS\2013\PH II ESA\0836484 Hudson River Psych\Report

FIGURES



ALL LOCATIONS ARE APPROXIMATE

IMAGE SOURCE:
U.S.G.S. TOPOGRAPHIC
POUGHKEEPSIE, NY QUADRANGLE
7.5 MIN SERIES
PHOTOREVISED 1982



**Information
To Build On**

Engineering • Consulting • Testing

Environmental Services

□□□ Erie Boulevard, Suite □
Schenectady, NY □□□□

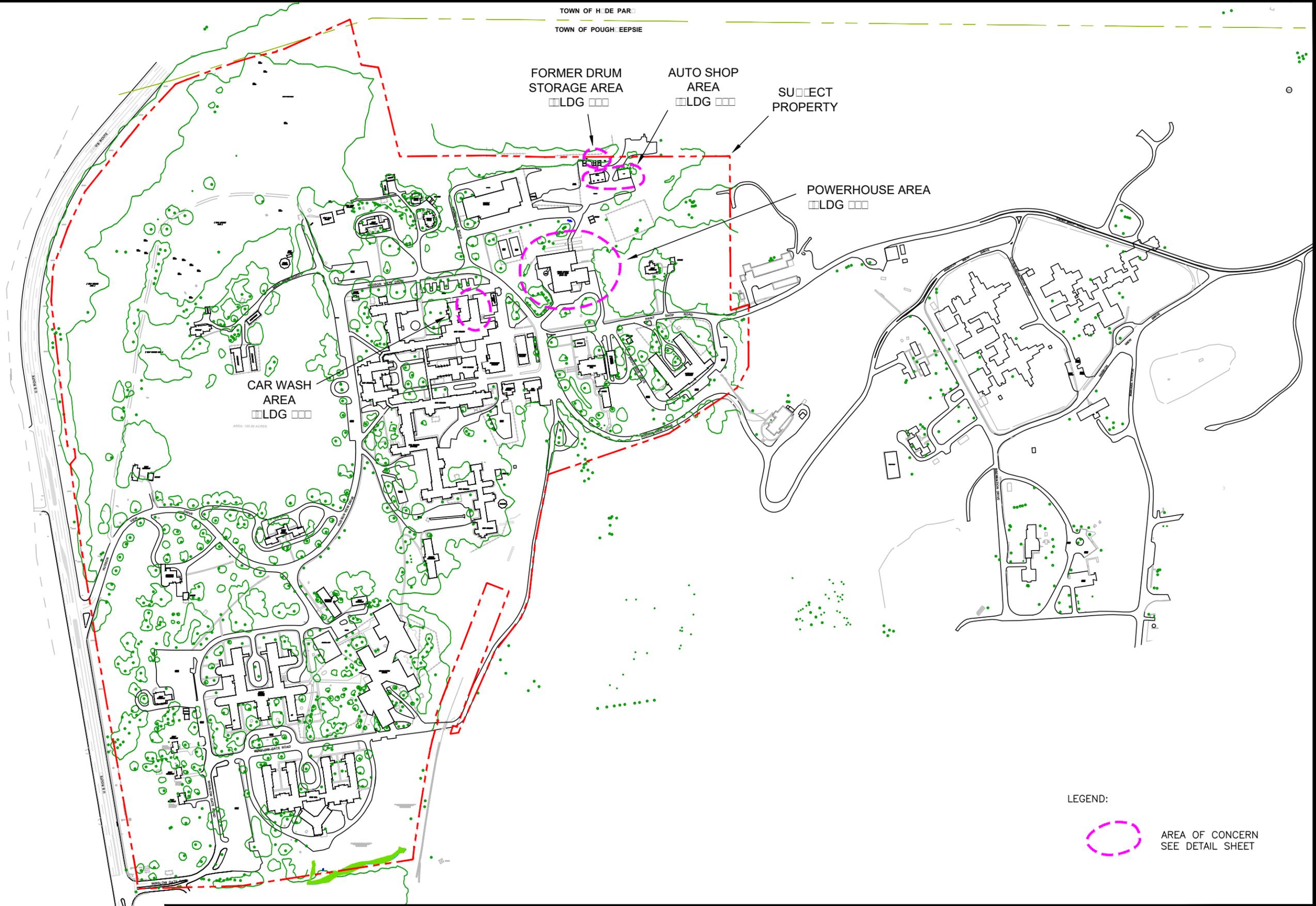
(518) 377-9841

(518) 377-9847 fax

Topographic Site Map

Hudson River Psychiatric Center
10 Ross Circle
Poughkeepsie, New York 12601

Checked <input type="checkbox"/>	Scale <input type="checkbox"/>	Date <input type="checkbox"/>	Figure <input type="checkbox"/>
D. Myers	1" = 1000'	July 11, 2000	
Drawn <input type="checkbox"/>	Project Number <input type="checkbox"/>		
C. Moran	□□□□□□		



TOWN OF H. DE PAR
TOWN OF POUGHKEEPSIE

FORMER DRUM
STORAGE AREA
LDG

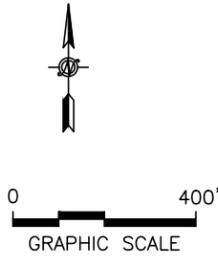
AUTO SHOP
AREA
LDG

SUBJECT
PROPERTY

POWERHOUSE AREA
LDG

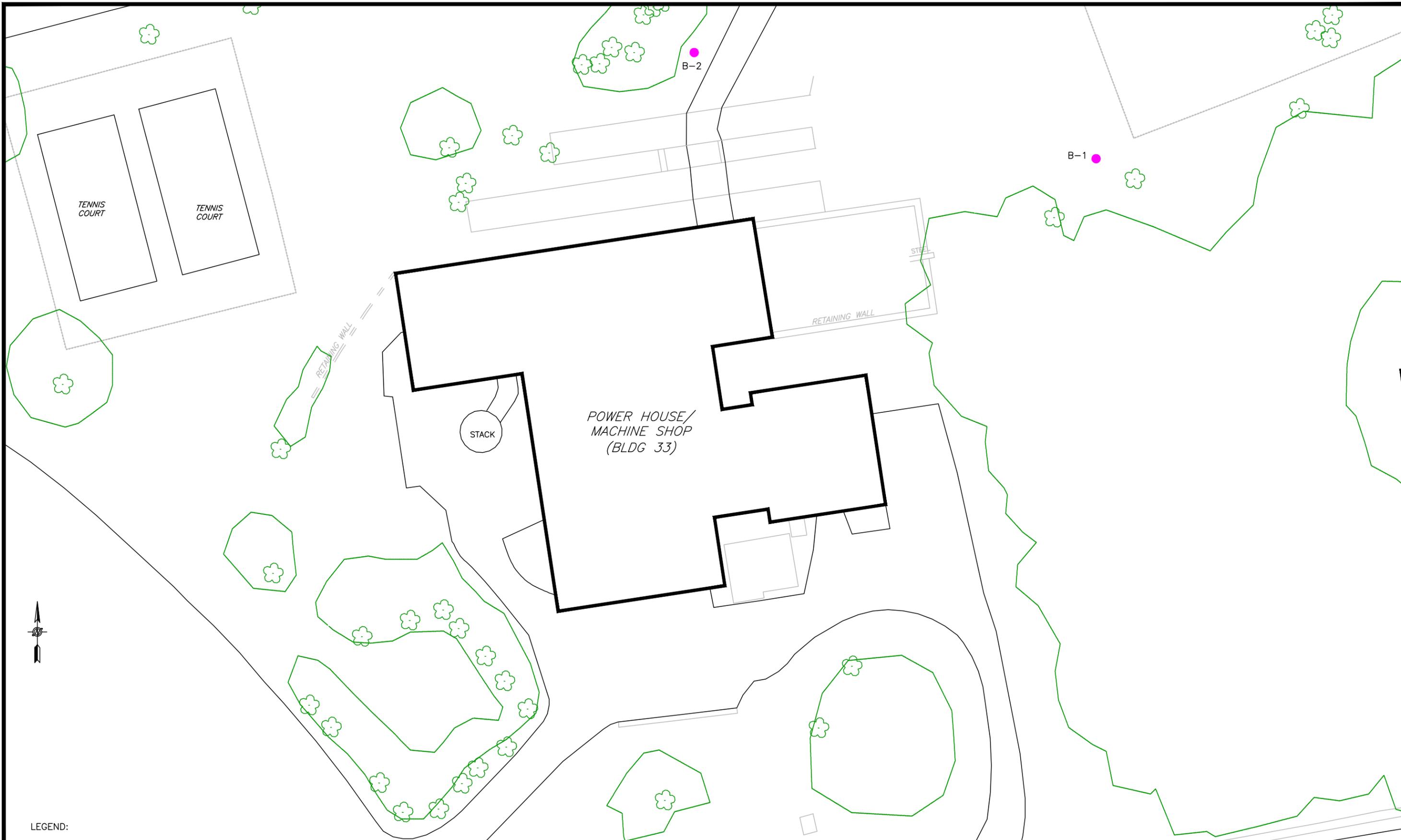
CAR WASH
AREA
LDG

LEGEND:
 AREA OF CONCERN
SEE DETAIL SHEET



ALL LOCATIONS ARE APPROXIMATE

 Information To Build On Engineering • Consulting • Testing	Environmental Services Erie Boulevard, Suite Schenectady, NY (518) 377-9841 (518) 377-9847 fax	Site Map	Checked D. Myers	Scale 1" = 400'	Date July, 2000	Figure 1
		Hudson River Psychiatric Center 10 Ross Circle Poughkeepsie, New York 12601	Drawn C. Moran 08/08/00	Project Number 000000		



LEGEND:
 B-1 ● SOIL SAMPLE LOCATION

ALL LOCATIONS ARE APPROXIMATE

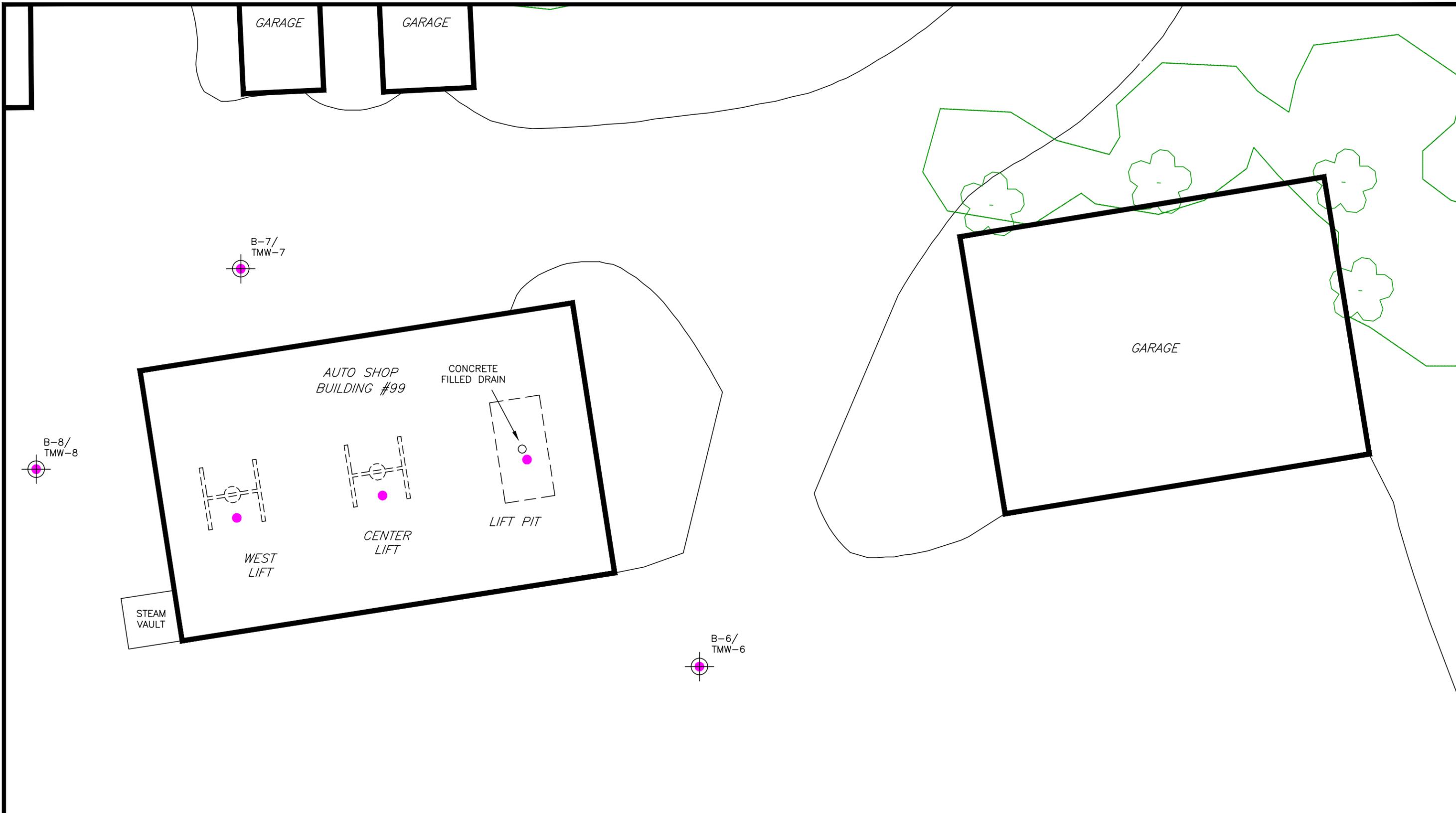


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Environmental Services
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 Schenectady, NY
 (518) 377-9841 (518) 377-9847 fax

Power House Area Bldg Soil Sample Locations
 Hudson River Psychiatric Center
 10 Ross Circle
 Poughkeepsie, New York 12601

Checked D. Myers	Scale 1" = 40'	Date July 11, 2008	Figure 1
Drawn C. Moran		Project Number 10000000	

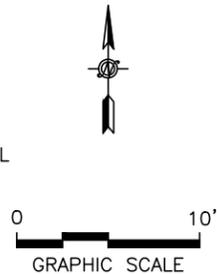


LEGEND:

● SOIL SAMPLE LOCATION

⊙ SOIL SAMPLE AND TEMPORARY MONITORING WELL LOCATION

ALL LOCATIONS ARE APPROXIMATE

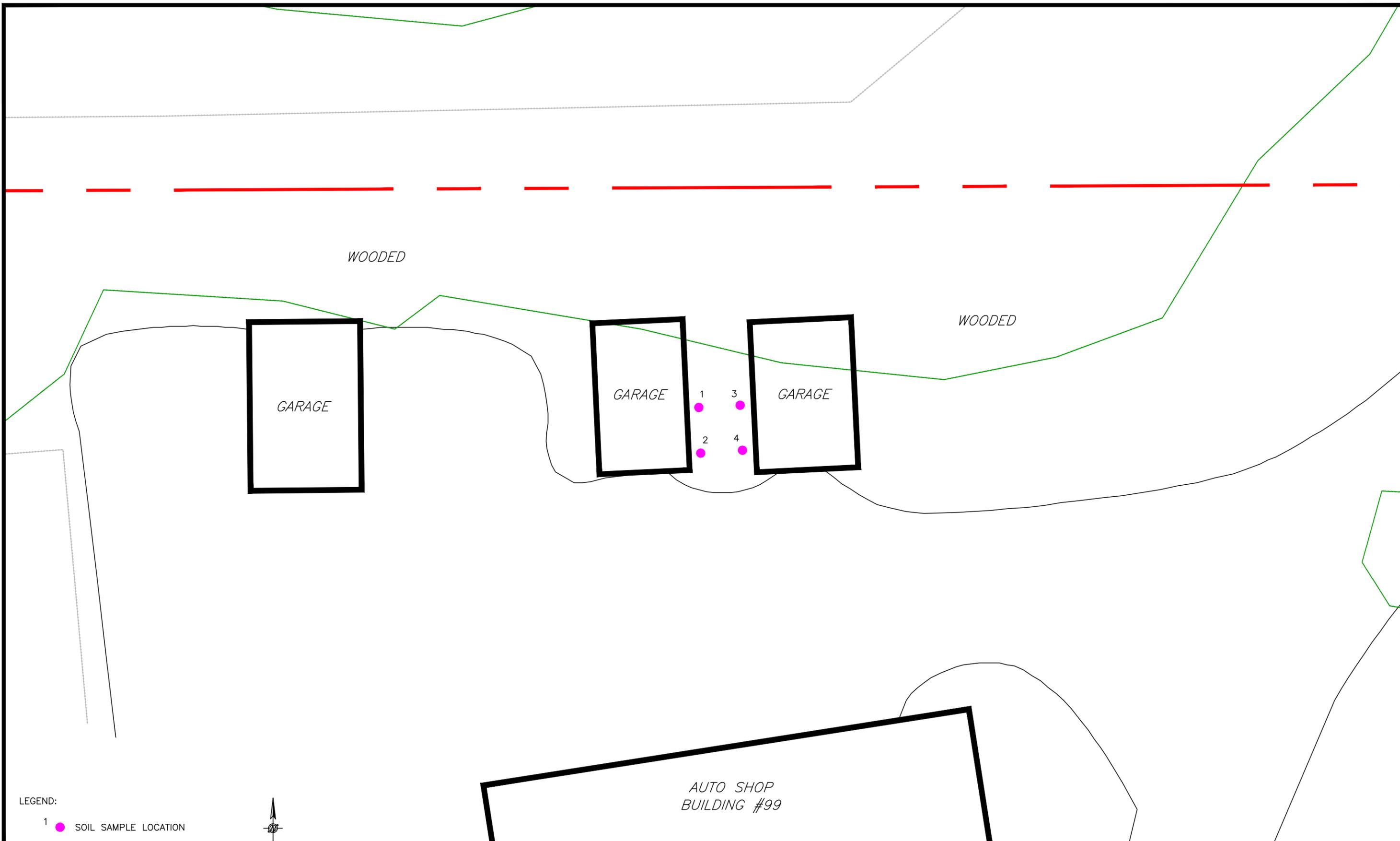


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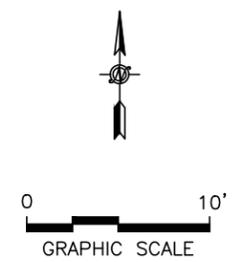
Auto Shop Area Bldg
Soil Groundwater Sample Locations
Hudson River Psychiatric Center
10 Ross Circle
Poughkeepsie, New York 12601

Checked D. Myers	Scale 1" = 100'	Date July 11, 2000	Figure 1
Drawn C. Moran		Project Number 000000	



LEGEND:
 1 ● SOIL SAMPLE LOCATION

ALL LOCATIONS ARE APPROXIMATE



Information To Build On Engineering • Consulting • Testing	Environmental Services Erie Boulevard, Suite Schenectady, NY (518) 377-9841 (518) 377-9847 fax	Former Drum Storage Area Bldg Soil Sample Locations	Checked by D. Myers	Scale 1" = 100'	Date July 11, 2005	Figure 1
		Hudson River Psychiatric Center 10 Ross Circle Poughkeepsie, New York 12601	Drawn by C. Moran Environmental Services	Project Number 050505		

TABLES

Table - 1
Summary of Soil Sampling Results - Metals - Power House Area - Bldg 33
Diversified Realty Advisors, LLC
Hudson River Psych Center - Poughkeepsie, New York
PSI Project No.: 0836484-1

Parameter	NYSDEC Table 375-6.(b) - Soil Cleanup Objectives		Soil Results	
	Unrestricted Use	Restricted Residential	B-1 (6-7)	B-2 (6-7)
Sampling Date			7/1/2013 9:40AM	7/11/2013 10:05AM
Sample Depth			6-7 feet bgs	6-7 feet bgs
<i>SW-846 6010B (mg/kg) Metals Digestion</i>				
ALUMINIUM	NS	NS	11,000	15,300
ANTIMONY	NS	NS	1.65	ND (0.533)
ARSENIC	13	16	51.1*	8.02
BARIUM	350	350	26.9	40.2
BERYLLIUM	7.2	14	0.515	0.487
CADMIUM	2.5	2.5	ND (0.950)	ND (0.426)
CALCIUM	NS	NS	165	4,460
CHROMIUM	30	36	18.4	18.3
COBALT	NS	NS	24.2	16.9
COPPER	50	270	99.8	46.5
IRON	NS	NS	68,100	35,700
LEAD	63	400	23.2	14.8
MAGNESIUM	NS	NS	5,050	8,610
MANGANESE	1,600	2,000	3400*	6220*
NICKEL	30	140	97.2	32.3
POTASSIUM	NS	NS	952	1,090
SELENIUM	3.9	36	3.0	2.23
SILVER	2	36	ND (0.831)	ND (0.746)
SODIUM	NS	NS	ND (59.4)	91.7
THALLIUM	NS	NS	2.69	3.03
VANADIUM	NS	NS	23.9	17.9
ZINC	109	2,200	252	112
<i>SW-846 7471 (mg/kg) Metals Digestion</i>				
MERCURY	0.18	0.81	0.12	ND (0.10)

NOTES:

1. All units are in mg/kg (ppm).
2. ND = Not detected above the lab reporting limits shown in parenthesis.
3. **Bolded values** exceed the NYSDEC Unrestricted Soil Use Criteria.
4. **Bolded values with *** exceed the NYSDEC Restricted Residential Soil Use Criteria.

Table 2
Summary of Soil Sampling Results -VOCs and SVOCs - Car Wash Area - Bldg. 51
Diversified Realty Advisors, LLC
Hudson River Psych Center - Poughkeepsie, New York
PSI Project # 0836-484-1

				Soil Cleanup Objectives (SCOs)	
EPA Analytical Method 8260B	B-3 (19.0-20.0')-G	B-4 (19.0-20.0')-G	B-5 (19.0-20.0')-G	Unrestricted Use	Restricted Residential Use
Compound ↓/ Sample Date →	7/1/13; 12:15 hrs.	7/1/13; 13:35 hrs.	7/1/13; 14:15 hrs.	ppm	ppm
Acetone	0.032	0.024	0.027	0.05	100
Total VOCs	0.032	0.024	0.027	-	-
EPA Analytical Method 8270B	B-3 (19.0-20.0')-C	B-4 (19.0-20.0')-C	B-5 (19.0-20.0')-C	Unrestricted Use	Restricted Residential Use
Compound ↓/ Sample Date →	7/1/13; 12:20 hrs.	7/1/13; 13:40 hrs.	7/1/13; 14:45 hrs.	ppm	ppm
Total SVOCs	BDL	BDL	BDL	-	-

Notes:

Detected Acetone concentrations shown may be a laboratory artifact.

Results displayed in milligrams per kilogram (mg/kg), or parts per million (ppm).

- No Standard Developed.

BDL: Below the Method Detection Limit.

NYSDEC Recommended Soil Cleanup Objectives (SCOs)for Unrestricted Use from 6 NYCRR Part 375-6.8(a).

NYSDEC Recommended Soil Cleanup Objectives (SCOs)for Restricted Use values from 6 NYCRR Part 375-6.8(b).

Table 3
Summary of Water Sampling Results - Car Wash Area - Bldg. 51
 Diversified Realy Advisors, LLC
 Hudson River Psych Center - Poughkeepsie, New York
 PSI Project # 0836-484-1

EPA Analytical Method 8260B	Outside OWS	Inside OWS	NYSDEC Groundwater Quality Standards (TOGS 1.1.1)
Compound ↓/ Sample Date →	7/2/13; 14:35 hrs.	7/2/13; 14:55 hrs.	1.1.1
Acetone	110,000	BDL	50.0
Methyl Tert-butyl ether	49,000	BDL	10.0
Total VOCs	159,000.00	BDL	**

EPA Analytical Method 8270B	Outside OWS	Inside OWS	NYSDEC Groundwater Quality Standards (TOGS 1.1.1)
Compound ↓/ Sample Date →	7/2/13; 14:40 hrs.	7/2/13; 15:00 hrs.	1.1.1
2,4-Dimethylphenol	409	BDL	1.0
2-Methylphenol	741	BDL	1.0
3&4-Methylphenol	1,430	BDL	1.0
Phenol	1,480	BDL	1.0
Total SVOCs	1150.00	BDL	**

Notes:

NYSDEC Groundwater Quality Standards and Guidance Values from "Technical and Operational Guidance Series, 1.1.1."

All values presented in µg/l or parts per billion (ppb).

* Guidance Value.

** NYSDEC Groundwater Quality Standard currently not defined.

RED/BOLD indicates sample results exceed NYSDEC Groundwater Standards / Guidance.

BDL - Below the Method Detection Limit.

Table 4
Summary of Soil Sampling Results -VOCs, SVOCs, Lead and PCBs - Auto Shop Area - Bldg. 99
Diversified Realty Advisors, LLC
Hudson River Psych Center - Poughkeepsie, New York
PSI Project # 0836-484-1

			Soil Cleanup Objectives (SCOs)	
EPA Analytical Method 8260B	B-8 (9.0-10.0')-G	Auto Shop - West Lift	Unrestricted Use	Restricted Residential Use
Compound ↓/ Sample Date →	7/1/13; 16:30 hrs.	7/2/13; 13:40 hrs.	ppm	ppm
Acetone	0.139	0.113	0.05	100
Total VOCs	0.139	0.113	-	-
EPA Analytical Method 8270B	B-8 (9.0-10.0')-C	Auto Shop - West Lift	Unrestricted Use	Restricted Residential Use
Compound ↓/ Sample Date →	7/1/13; 16:35 hrs.	7/2/13; 13:40 hrs.	ppm	ppm
Unknown TICs	BDL	8.456	-	-
Total SVOCs	BDL	BDL	-	-
SW846 6010B	B-8 (9.0-10.0')-C	Auto Shop - West Lift	Unrestricted Use	Restricted Residential Use
Compound ↓/ Sample Date →	7/1/13; 16:35 hrs.	7/2/13; 13:45 hrs.	ppm	ppm
Lead	14.7	NS	63	400

The Auto Shop West Lift was also sampled for PCBs and all results were BDL.

Notes:

Detected Acetone concentrations shown may be a laboratory artifact.

Results displayed in milligrams per kilogram (mg/kg), or parts per million (ppm).

- No Standard Developed.

BDL: Below the Method Detection Limit. NS = Not Sampled.

NYSDEC Recommended Soil Cleanup Objectives (SCOs)for Unrestricted Use from 6 NYCRR Part 375-6.8(a).

NYSDEC Recommended Soil Cleanup Objectives (SCOs)for Restricted Use values from 6 NYCRR Part 375-6.8(b).

BOLD/RED values exceed Unrestricted Use SCOs in 6 NYCRR Part 375-6.8(b).

Table 5
Summary of Groundwater Sampling Results - VOCs, SVOCs, and Lead - Auto Shop Area - Bldg 99
 Diversified Realy Advisors, LLC
 Hudson River Psych Center - Poughkeepsie, New York
 PSI Project # 0836-484-1

EPA Analytical Method 8260B	TMW-6	TMW-7	TMW-8	NYSDEC Groundwater Quality Standards (TOGS 1.1.1)
Compound ↓/ Sample Date →	7/2/13; 10:45 hrs.	7/2/13; 11:35 hrs.	7/2/13; 12:15 hrs.	
Total VOCs	BDL	BDL	BDL	**
EPA Analytical Method 8270B	TMW-6	TMW-7	TMW-8	NYSDEC Groundwater Quality Standards (TOGS 1.1.1)
Compound ↓/ Sample Date →	7/2/13; 10:50 hrs.	7/2/13; 11:40 hrs.	7/2/13; 12:20 hrs.	
Benzo(a)anthracene	4.78	BDL	BDL	0.002*
Benzo(b)fluoranthene	4.99	BDL	BDL	0.002*
Chrysene	6.49	BDL	BDL	0.002*
Pyrene	8.59	BDL	BDL	50*
Total SVOCs	24.85	BDL	BDL	**
EPA Analytical Method 8270B	TMW-6	TMW-7	TMW-8	NYSDEC Groundwater Quality Standards (TOGS 1.1.1)
Compound ↓/ Sample Date →	7/2/13; 10:50 hrs.	7/2/13; 11:40 hrs.	7/2/13; 12:20 hrs.	
Lead (Unfiltered)	551	BDL	80.1	50.0
Lead (Filtered)	BDL	NA	BDL	50.0

Notes:

NYSDEC Groundwater Quality Standards and Guidance Values from "Technical and Operational Guidance Series, 1.1.1."

All values presented in µg/l or parts per billion (ppb).

* Guidance Value.

** NYSDEC Groundwater Quality Standard currently not defined.

RED/BOLD indicates sample results exceed NYSDEC Groundwater Standards / Guidance.

BDL - Below the Method Detection Limit.

NA = Not Analyzed

ATTACHMENT A
SOIL BORING LOGS

SOIL BORING LOG

	BORING/PIT NO: B-1
	SHEET 1 OF 1

DATE: 7/1/2013	PROJECT NAME: Hudson Psych	PROJECT NO: 0836484
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BORING/PIT SITE LOCATION PLAN:	SEC: TWN: RGE: LAT: LONG:		
	DRILLING CO: Zebra Environmental		
	DRILL CREW: Joe H & Manny		
	DRILLING/TRENCHING METHOD: Geoprobe		
	PIT DIMENSIONS: LENGTH WIDTH DEPTH		
	GROUNDWATER LEVELS		
	DATE	ACTUAL TIME	DEPTH BLS
		dry	

DEPTH	SAMPLE NO.	PEN. RATE/ BLOW COUNTS	DESCRIPTION	FID <input type="checkbox"/> PID <input checked="" type="checkbox"/> (PPM)	USCS	REMARKS
0			0-1.4: Black coal fragments, SAND	2.2		4/5=80%
1			dense dry to moist, no odor, black			
2			1.4: Brown to tan medium fine SAND and Silt			
3			little fine Gravel, trace clay. Dry, no odor/stain	2.5		
4			Refusal at 5' Below Ground Surface (bgs)			
5			2nd Attempt B-1			4.5/5=90%
0			0-1: Black Coal Fragments, SAND	3.4		
1			dense. Dry to moist. no odor black coloration			
2			1-5: Brown to tan medium fine SAND and SILT			r=4/5=80%
3			little fine Gravel, trace clay. Dry, no odor/stain	3.6		
4			glacial till			
5						
6			5-6: gray medium fine SAND and SILT, little fine medium Gravel. trace Clay. no odor. stain.			r=1/5+20%
7			Refusal at 6' Below Ground Surface (bgs)			
0			3rd Attempt;	2.1		
1			0-1: Black coal fragments	2.9		r=4.5/5=90%
2			1-5: Same as Above			
3						
4						
5			5-7: Same as Above	3.3		r=2.2/5.0=44%
6						
7						

PREPARED BY: Ed Molocznic

SOIL BORING LOG

Powerhouse		BORING/PIT NO:		
		SHEET 1 OF 1		
DATE: 7/1/2013	PROJECT NAME:	PROJECT NO: 0836484		
BORING/PIT SITE LOCATION PLAN:		SEC: TWN: RGE: LAT: LONG:		
		DRILLING CO: Zebra Environmental		
		DRILL CREW: Joe/Manny		
		DRILLING/TRENCHING METHOD: Geoprobe		
		PIT DIMENSIONS: LENGTH WIDTH DEPTH		
		GROUNDWATER LEVELS		
		DATE	ACTUAL TIME	DEPTH BLS
			dry	

DEPTH	SAMPLE NO.	PEN. RATE/ BLOW COUNTS	DESCRIPTION	FID <input type="checkbox"/> PID <input checked="" type="checkbox"/> (PPM)	USCS	REMARKS
0			0-1 Black to dark brown, fine medium coarse SAND, little fine Gravel,	2.1		r=3.8/5.0=76%
1			dry, dense, no odor/stain			
2			1-5: Brown to tan medium fine SAND and SILT, little fine Gravel, trace Clay, dry, no stain, no odor	3.1		r=2.2/5.0=44%
3						
4						
5			5-6: Brown medium fine coarse SAND lens, dry, loose, no stain, no odor			
6			6-7: brown to gray medium fine SAND and SILT little fine-medium Gravel, trace Clay, no odor, no stain			
7			Refusal at 7' below ground surface (bgs)			
			0-1: Same as Above	2		r=4.5/5.0
			1-5: Same as Above	2.6		
			5-7: Same as Above	2.7		r=1.5/2
			Refusal at 6.5			

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SOIL BORING LOG

Car Wash		BORING/PIT NO: B-3		
		SHEET 1 OF 1		
DATE: 7/1/2013	PROJECT NAME: Hudson Psych	PROJECT NO: 0836484		
BORING/PIT SITE LOCATION PLAN:		SEC: TWN: RGE: LAT: LONG:		
		DRILLING CO: Zebra Environmental		
		DRILL CREW: Joe/Manny		
		DRILLING/TRENCHING METHOD: Geoprobe		
		PIT DIMENSIONS: LENGTH WIDTH DEPTH		
		GROUNDWATER LEVELS		
		DATE	ACTUAL TIME	DEPTH BLS
		7/1/2013	1230	dry

DEPTH	SAMPLE NO.	PEN. RATE/ BLOW COUNTS	DESCRIPTION	FID <input type="checkbox"/> PID <input checked="" type="checkbox"/> (PPM)	USCS	REMARKS
0			0-5': Brown fine medium coarse SAND and SILT some fine Gravel, trace clay. moist. dense. no stain. no odor.	0.0		r=1.8/5.0=36%
5			5'-10': Brown fine medium coarse SAND and SILT some fine Gravel. trace Clay. moist. dense. no stain. no odor.	0.0		r=3.3/5.0=66%
10			10'-15': Brown fine medium coarse SAND. little Silt, trace fine Gravel. Medium dense, moist no stain, no odor.	0.0		r=3.2/5.0=64%
15			15'-20': Same As Above moist, still not wet	0.0		r=3.1/5.0=62%
20			Sampled 19'-20'			

PREPARED BY:	Ed Moloczniak
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SOIL BORING LOG

	BORING/PIT NO: B-4
	SHEET 1 OF 1

DATE: 7/1/2013	PROJECT NAME: Hudson Psych	PROJECT NO: 0836484
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BORING/PIT SITE LOCATION PLAN:	SEC: TWN: RGE: LAT: LONG:		
	DRILLING CO: Zebra Environmental		
	DRILL CREW: Joe/Manny		
	DRILLING/TRENCHING METHOD: Geoprobe		
	PIT DIMENSIONS: LENGTH WIDTH DEPTH		
	GROUNDWATER LEVELS		
	DATE	ACTUAL TIME	DEPTH BLS
	7/1/2013	1423	dry

DEPTH	SAMPLE NO.	PEN. RATE/ BLOW COUNTS	DESCRIPTION	FID <input type="checkbox"/> PID <input checked="" type="checkbox"/> (PPM)	USCS	REMARKS
0			0-0.6: brown organic 0.6-0.9: black asphalt fragments 0.9-5: brown to tan, fine medium coarse SAND and SILT, fine Gravel, trace Clay, dense dry, no stain, or odor	0.0 0.0 0.0		r=2.6/5.0=52%
5			5'-10': Brown to tan, fine medium coarse SAND and fine Gravel, some Silt, trace Clay, dense dry, no stain, or odor	0.0		r=2.8/5.0=56%
10			10'-12': Same as Above 12'-13': brown fine to coarse SAND and SILT medium dense, moist, no odor, no stain	0.0		r=2.8/5.0=56%
15			15'-17': brown to tan, fine medium coarse SAND and fine Gravel, some Silt, trace Clay dense, dry, no stain, no odor 17'-17.5' Sand Lens	0.0 0.0		r=4/5=80%
20			17.5'-20: Brown to tan fine coarse SAND and fine Gravel some Silt, trace Clay, dense, dry to moist, no stain no odor	0.0		

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SOIL BORING LOG

Carwash		BORING/PIT NO: B-5		
		SHEET 1 OF 1		
DATE: 7/1/2013		PROJECT NAME: Hudson Psych		
PROJECT NO: 0836484				
BORING/PIT SITE LOCATION PLAN:		SEC: TWN: RGE: LAT: LONG:		
		DRILLING CO: Zebra Environmental		
		DRILL CREW: Joe/Manny		
		DRILLING/TRENCHING METHOD: Geoprobe		
		PIT DIMENSIONS: LENGTH WIDTH DEPTH		
		GROUNDWATER LEVELS		
		DATE	ACTUAL TIME	DEPTH BLS
		7/1/2013	dry	1420

DEPTH	SAMPLE NO.	PEN. RATE/ BLOW COUNTS	DESCRIPTION	FID <input type="checkbox"/> PID <input type="checkbox"/> (PPM)	USCS	REMARKS
0			0-5: brown fine medium SAND and SILT some fine Gravel, little Clay, trace organics with red brick fragment dense slightly moist	0.0		r=2/5=40%
5			5-10': brown fine to coarse SAND and SILT some fine Gravel, dry to moist not dense no odor no stain	0.0		r=1.6/5.0=32%
10			10'-15': brown fine to coarse SAND and SILT fine medium Gravel, some Silt, medium dense dry to moist, no odor, no stain	0.0		r=2.7/5.0=54%
15			15'-20': Same as Above	0.0		r=4.8/5.0=96%
20			End at 20' below ground surface (bgs)			

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SOIL BORING LOG

Auto Shop		BORING/PIT NO: B-6	
		SHEET 1 OF 1	
DATE: 7/1/2013	PROJECT NAME: Mid Hudson	PROJECT NO: 0836484	
BORING/PIT SITE LOCATION PLAN:		SEC: TWN: RGE: LAT: LONG:	
		DRILLING CO: Zebra Environmental	
		DRILL CREW: Joe/Manny	
		DRILLING/TRENCHING METHOD: Geoprobe	
		PIT DIMENSIONS:	LENGTH WIDTH DEPTH
GROUNDWATER LEVELS			
		DATE	ACTUAL TIME
		7/1/2013	1505
		DEPTH BLS	
		4.93	

DEPTH	SAMPLE NO.	PEN. RATE/ BLOW COUNTS	DESCRIPTION	FID <input type="checkbox"/> PID <input checked="" type="checkbox"/> (PPM)	USCS	REMARKS
0			0-1: black Asphalt fragments and sub base	0.0		r=2.6/5.0=52%
			1-5: brown fine SAND and SILT, little fine Gravel, trace clay, slight moisture, no stain ,no odor	0.0		
5			5-10: brown fine SAND and SILT, some Clay trace fine Gravel, moist, very dense no stain, no odor	0.0		r=4.3/5.0=86%
10			10-15: brown to tan fine medium coarse SAND and fine medium Gravel, some Silt, trace Clay wet, dense, no stain, no odor Sand lens in center	0.0		r=5/5=100%
15			15-16: medium fine GRAVEL and medium fine SAND, wet, dense, no odor, no stain	0.0		r=5/5=100%
			16-18: brown fine medium coarse SAND and SILT, wet, dense, no odor, no stain	0.0		r=5/5=100%
20			18-20: brown to gray medium fine coarse SAND and fine medium Gravel, some Silt, trace Clay wet, dense, no odor, no stain	0.0		r=5/5=100%
End Boring at 20' below ground surface (bgs)						

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SOIL BORING LOG

Auto Shop	BORING/PIT NO: B-7
	SHEET 1 OF 1

DATE: 7/1/2013	PROJECT NAME: Hudson Psych	PROJECT NO: 0836484
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BORING/PIT SITE LOCATION PLAN:	SEC: TWN: RGE: LAT: LONG:		
	DRILLING CO: Zebra Environmental		
	DRILL CREW: Joe/Manny		
	DRILLING/TRENCHING METHOD: Geoprobe		
	PIT DIMENSIONS: LENGTH WIDTH DEPTH		
	GROUNDWATER LEVELS		
	DATE	ACTUAL TIME	DEPTH BLS
	7/1/2013	1540	8.45

DEPTH	SAMPLE NO.	PEN. RATE/ BLOW COUNTS	DESCRIPTION	FID <input type="checkbox"/> PID <input type="checkbox"/> (PPM)	USCS	REMARKS
0			0-2: black to brown fine medium coarse SAND and SILT, some fine Gravel, medium dense, black, no odor		0.0	r=4/5=80%
			2-5: brown fine medium coarse SAND and SILT some fine Gravel, little Clay, dense, moist, no stain, no odor		0.0	
5			5-7: Same as Above		0.0	r=5/5=100%
			7-10: brown to red brown, fine medium coarse SAND and SILT, some medium fine Gravel, little Clay coarsens downward, very dense, no stain, no odor		0.0	
10			10-15: dark brown coarse medium fine SAND and SILT, fine Gravel, little Silt, with Clay Silt lens, wet no stain, no odor		0.0	r=3.5/5.0=70%
15			15-18.5 Same As Above		0.0	r=5/5=100%
20			18.5-20: brown fine medium coarse SAND and SILT some medium fine Gravel, little Clay, wet no stain, no odor		0.0	r=5/5=100%

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SOIL BORING LOG

Auto Shop	BORING/PIT NO: B-8
	SHEET 1 OF 1

PROJECT NAME: Hudson Psych	PROJECT NO: 0836484
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BORING/PIT SITE LOCATION PLAN: Sampled 9-10	SEC: TWN: RGE: LAT: LONG:		
	DRILLING CO: Zebra Environmental		
	DRILL CREW: John		
	DRILLING/TRENCHING METHOD: Direct Push		
	PIT DIMENSIONS:	LENGTH	WIDTH DEPTH
	GROUNDWATER LEVELS		
	DATE	ACTUAL TIME	DEPTH BLS
	7/1/2013	1555	9.79

DEPTH	SAMPLE NO.	PEN. RATE/ BLOW COUNTS	DESCRIPTION	FID <input type="checkbox"/> PID <input checked="" type="checkbox"/> (PPM)	USCS	REMARKS
0			0-5: brown to light brown fine medium coarse SAND and fine Gravel, some Silt, slightly moist medium dense, no stain, no odor.	0.0		r=2.7/5.0=54%
5			5-10: gray fine medium SAND and SILT, some Clay, stained, medium dense, very strong odor,	0.0		r=4.3/5.0=86%
10			10-15: tan to brown Same as Above, very slight stain, very slight odor	0.0		r=4.1/5.0=82%
15			15-17: Same as Above slight odor	0.0		r=3.9/5.0=78%
20			17-20: brown coarse medium fine SAND and medium fine Gravel, little Silt, wet, medium dense no stain, no odor	0.0		

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SOIL BORING LOG

	BORING/PIT NO: Auto Shop Ctr Lift
	SHEET 1 OF 1

DATE: 7/2/2013	PROJECT NAME: Hudson Psych	PROJECT NO: 0836484
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BORING/PIT SITE LOCATION PLAN:	SEC:	TWN:	RGE:	LAT:	LONG:
	DRILLING CO: Zebra Environmental				
	DRILL CREW:				
	DRILLING/TRENCHING METHOD: Slam Bar				
	PIT DIMENSIONS:		LENGTH	WIDTH	DEPTH
	GROUNDWATER LEVELS				
		DATE	ACTUAL TIME	DEPTH BLS	
		7/2/2013	1030	dry	

DEPTH	SAMPLE NO.	PEN. RATE/ BLOW COUNTS	DESCRIPTION	FID <input type="checkbox"/> PID <input checked="" type="checkbox"/> (PPM)	USCS	REMARKS
0			0-4": Concrete	0.0		
			4"-10": Bank run base coarse	0.0		
15			10"-30": brown fine SAND and SILT, little fine Gravel, moist, loose, medium dense, no stain, no odor	0.0		
30			30"-54": Same as Above	0.0		
45						
60						

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SOIL BORING LOG

		BORING/PIT NO: Auto Shop W. Lift
		SHEET 1 OF 1

DATE: 7/2/2013	PROJECT NAME: Hudson Psych	PROJECT NO: 0836484
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BORING/PIT SITE LOCATION PLAN:	SEC:	TWN:	RGE:	LAT:	LONG:
	DRILLING CO: Zebra Environmental				
	DRILL CREW:				
	DRILLING/TRENCHING METHOD: Slambar				
	PIT DIMENSIONS:		LENGTH	WIDTH	DEPTH
	GROUNDWATER LEVELS				
	DATE		ACTUAL TIME		DEPTH BLS
	7/2/2013		1045		dry

DEPTH	SAMPLE NO.	PEN. RATE/ BLOW COUNTS	DESCRIPTION	FID <input type="checkbox"/> PID <input type="checkbox"/> (PPM)	USCS	REMARKS
0			0-4": Concrete			
3						
6			4"-10": Bank run			
9						
12						
15			10"-30": brown to tan SILT and fine SAND			
18			little Gravel, moist, loose- medium dense,			
21			no stain, no odor.			
24						
27						
30			30"-54": brown to tan SILT and fine SAND,			
33			trace fine Gravel, medium dense,			
36			no stain, no odor			
39						
42						
45						
48						
51						
54						
57						
60			End boring at 4.5' below ground surface (bgs)			
63						
66						
69						
72						

PREPARED BY:	Ed Molocznik
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ATTACHMENT B
LABORATORY ANALYTICAL RESULTS



Pace Analytical e-Report

Report prepared for:
PROFESSIONAL SERVICE INDUSTRIES
104 ERIE BOULEVARD
SCHENECTADY, NY 12305
CONTACT: PAUL MISIASZEK

Project ID: 0836484-1 HUDSON PSYCH
Sampling Date(s): July 02, 2013
Lab Report ID: 13070054
Client Service Contact: Chelsea Farmer (518) 346-4592

Analysis Included:
VOCs by GCMS
SVOCs by GCMS
SVOCs by GCMS
PCB Analysis
Metals by ICP (Lead)
VOCs by GCMS

Test results meet all National Environmental Laboratory Accreditation Conference (NELAC) requirements unless noted in the case narrative. The results contained within this document relate only to the samples included in this report. Pace Analytical is responsible only for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

A handwritten signature in black ink that reads "Dan Pflzer".

Dan Pflzer
Laboratory Director



Certifications: New York (EPA: NY00906, ELAP: 11078), New Jersey (NY026), Connecticut (PH-0337), Massachusetts (M-NY906), Virginia (1884)

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CASE NARRATIVE

July 10, 2013

CASE NARRATIVE

This data package (SDG ID: 13070054) consists of 10 water samples and 2 solid samples received on 07/02/2013. The samples are from Project Name: 0836484-1 HUDSON PSYCH.

This sample delivery group consists of the following samples:

<u>Lab Sample ID</u>	<u>Client ID</u>	<u>Collection Date</u>
AQ15332	TMW-6	07/02/2013 10:45
AQ15333	TMW-6	07/02/2013 10:50
AQ15334	TMW-7	07/02/2013 11:35
AQ15335	TMW-7	07/02/2013 11:40
AQ15336	TMW-8	07/02/2013 12:15
AQ15337	TMW-8	07/02/2013 12:20
AQ15338	OUTSIDE OWS	07/02/2013 14:35
AQ15339	OUTSIDE OWS	07/02/2013 14:40
AQ15340	INSIDE OWS	07/02/2013 14:55
AQ15341	INSIDE OWS	07/02/2013 15:00
AQ15342	AUTO SHOP- W. LIFT	07/02/2013 13:40
AQ15343	AUTO SHOP- W. LIFT	07/02/2013 13:45

Sample Delivery and Receipt Conditions

- (1.) All samples were delivered to the laboratory via DROP OFF delivery service on 07/02/2013.
- (2.) All samples were received at the laboratory intact and within holding times.
- (3.) The following cooler temperature was recorded at sample receipt (Control limits are between 0-6 Degrees Celsius): 2.0 degrees Celsius. Please see Chain of Custody for details. Control limits do not apply for metals analysis.

Volatile Organics Analysis

Analysis for Volatile Organics was performed by method SW-846 8260B. The following technical and administrative items were noted for the analysis:

- (1.) Samples for Volatile Organic Analysis were not collected by Pace Analytical and were not collected in accordance with Method 5035/5035A. All results below 200 ppb should be considered as potentially biased low.
- (2.) Acetone was observed in the Method Blank sample. All associated positive sample concentration results have been flagged (B) to denote the observed contamination.
- (3.) The percent recovery for Bromomethane was below quality control limits for the Laboratory Control Spike sample (LAB ID: AQ13702L). Low analytical bias may be indicated for this analyte.
- (4.) The percent recovery for 1,1,2,2-Tetrachloroethane, 1,2-Dibromo,3-chloropropane, and Naphthalene exceeded quality control limits for the Laboratory Control Spike sample (LAB ID: AQ13702L). High analytical bias may be indicated for these analytes.

(5.) The percent recovery for surrogate compound 1,2-Dichloroethane-d4 exceeded quality control limits for the Laboratory Control Spike sample (LAB ID: AQ13702L). The percent recovery for the alternate surrogate compounds were within limits for this sample.

Semivolatile Organics Analysis

Analysis for Semivolatile Organics was performed by method SW-846 8270C. Samples were extracted by Continuous Liquid/Liquid Extraction (EPA - Method 3520C). The following technical and administrative items were noted for the analysis:

(1.) The percent recovery for N-Nitrosodiphenylamine, 3-nitroaniline, 4-chloro-3-methylphenol and hexachlorocyclopentadiene were below method established limits for the Continuing Calibration Verification sample. Low analytical bias may be indicated for the associated samples (LAB ID: AQ15333, AQ15335, AQ15337, AQ15339 and AQ15341).

(2.) The percent recovery for surrogate compounds 2,4,6-Tribromophenol, 2-Fluorophenol, and Phenol-d6 were 0% for sample (LAB ID: AQ15341). Sample was re-analyzed to confirm. No additional sample volume was available for re-extraction. The percent recovery for the alternate surrogate compounds were within limits for this sample.

Semivolatile Organics Analysis

Analysis for Semivolatile Organics was performed by method SW-846 8270C. Samples were extracted by Accelerated Solvent Extraction (EPA Method 3545). The following technical and administrative items were noted for the analysis:

(1.) The percent recovery for Hexachlorocyclopentadiene, benzo(a)pyrene, 4-chloro-3-methylphenol and N-Nitrosodiphenylamine were below method established limits for the Continuing Calibration Verification sample. Low analytical bias may be indicated for the associated sample (LAB ID: AQ15343).

PCB Aroclor Analysis

Analysis for PCB Aroclors was performed by method SW-846 8082A. Samples were extracted by Accelerated Solvent Extraction (EPA Method 3545). The following technical and administrative items were noted for the analysis:

(1.) All quality assurance parameters were met for the analysis.

Metals Analysis by ICP

Analysis for metals was performed by EPA Method 6010B. The following technical and administrative items were noted for the analysis:

(1.) All quality assurance parameters were met for the analysis.

Subcontract Analysis

(1.) Please see the Adirondack Environmental Services report for Quality Assurance details.

Respectfully submitted,



Chelsea L. Farmer
Project Manager

QUALIFIERS

Organic Laboratory Qualifiers Defined

B - Denotes analyte observed in associated method blank or extraction blank. Analyte concentration should be considered as estimated.

D - Surrogate was diluted. The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria.

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be re-analyzed at secondary dilution due to insufficient sample amount, quick turn-around request, sample matrix interference or hold time excursion. Concentration result should be considered as estimated.

J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the Reporting Limit (RL).

P - Indicates relative percent difference (RPD) between primary and secondary gas chromatograph (GC) column analysis exceeds 40 % or indicates percent difference (PD) between primary and secondary gas chromatograph (GC) column analysis exceeds 25 %.

U - Denotes analyte not detected at concentration greater than or equal to the Reporting Limit (RL). Reporting Limit's (RL) are adjusted for sample weight/volume and dilution factors.

Z - Chromatographic interference due to polychlorinated biphenyl (PCB) co-elution.

* - Value not within control limits.

Inorganic Laboratory Qualifiers Defined

B - Denotes analyte observed in associated method blank or digestion blank. Analyte concentration should be considered as estimated.

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be re-analyzed at secondary dilution due to insufficient sample amount, quick turn-around request, sample matrix interference or hold time excursion. Concentration result should be considered as estimated.

J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the Reporting Limit (RL).

U - Denotes analyte not detected at concentration greater than or equal to the Reporting Limit (RL). Reporting Limit's (RL) are adjusted for sample weight/volume and dilution factors.

* - Value not within control limits.

SAMPLE CHAIN OF CUSTODY

GC/MS Volatiles



Analytical Sample Results

Job Number: 13070054

Pace Analytical Services, Inc.
 2190 Technology Drive
 Schenectady, NY 12308
 Phone: 518.346.4592
 Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: AUTO SHOP- W. LIFT
Lab Sample ID: 13070054-11 (AQ15342)

Collection Date: 07/02/2013 13:40
Sample Matrix: SOLID
Received Date: 07/02/2013 18:00
Percent Solid: 81.7 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1334-14	EPA Method 8260B	07/03/2013 17:53	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2039	EPA 5035A-L	07/03/2013 13:11	BH	0.998 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1,1,2-Tetrachloroethane	630-20-6	ND	12.3	1.00	U	MS08-1334-14
1,1,1-Trichloroethane	71-55-6	ND	12.3	1.00	U	MS08-1334-14
1,1,2,2-Tetrachloroethane	79-34-5	ND	12.3	1.00	U	MS08-1334-14
1,1,2-Trichloroethane	79-00-5	ND	12.3	1.00	U	MS08-1334-14
1,1-Dichloroethane	75-34-3	ND	12.3	1.00	U	MS08-1334-14
1,1-Dichloroethene	75-35-4	ND	12.3	1.00	U	MS08-1334-14
1,1-Dichloropropene	563-58-6	ND	12.3	1.00	U	MS08-1334-14
1,2,3-Trichlorobenzene	87-61-6	ND	12.3	1.00	U	MS08-1334-14
1,2,3-Trichloropropane	96-18-4	ND	12.3	1.00	U	MS08-1334-14
1,2,4-Trichlorobenzene	120-82-1	ND	12.3	1.00	U	MS08-1334-14
1,2,4-Trimethylbenzene	95-63-6	ND	12.3	1.00	U	MS08-1334-14
1,2-Dibromo-3-chloropropane	96-12-8	ND	12.3	1.00	U	MS08-1334-14
1,2-Dibromoethane	106-93-4	ND	12.3	1.00	U	MS08-1334-14
1,2-Dichlorobenzene	95-50-1	ND	12.3	1.00	U	MS08-1334-14
1,2-Dichloroethane	107-06-2	ND	12.3	1.00	U	MS08-1334-14
1,2-Dichloropropane	78-87-5	ND	12.3	1.00	U	MS08-1334-14
1,3,5-Trimethylbenzene	108-67-8	ND	12.3	1.00	U	MS08-1334-14
1,3-Dichlorobenzene	541-73-1	ND	12.3	1.00	U	MS08-1334-14
1,3-Dichloropropane	142-28-9	ND	12.3	1.00	U	MS08-1334-14
1,4-Dichlorobenzene	106-46-7	ND	12.3	1.00	U	MS08-1334-14
2,2-Dichloropropane	594-20-7	ND	12.3	1.00	U	MS08-1334-14
2-Butanone	78-93-3	ND	12.3	1.00	U	MS08-1334-14
2-Chloroethylvinylether	110-75-8	ND	12.3	1.00	U	MS08-1334-14
2-Chlorotoluene	95-49-8	ND	12.3	1.00	U	MS08-1334-14
2-Hexanone	591-78-6	ND	12.3	1.00	U	MS08-1334-14
4-Chlorotoluene	106-43-4	ND	12.3	1.00	U	MS08-1334-14
4-Isopropyltoluene	99-87-6	ND	12.3	1.00	U	MS08-1334-14
4-Methyl-2-pentanone	108-10-1	ND	12.3	1.00	U	MS08-1334-14
Acetone	67-64-1	113	61.3	1.00	B	MS08-1334-14
Benzene	71-43-2	ND	12.3	1.00	U	MS08-1334-14
Bromobenzene	108-86-1	ND	12.3	1.00	U	MS08-1334-14
Bromochloromethane	74-97-5	ND	12.3	1.00	U	MS08-1334-14
Bromodichloromethane	75-27-4	ND	12.3	1.00	U	MS08-1334-14
Bromoform	75-25-2	ND	12.3	1.00	U	MS08-1334-14
Bromomethane	74-83-9	ND	12.3	1.00	U	MS08-1334-14
Carbon Disulfide	75-15-0	ND	12.3	1.00	U	MS08-1334-14
Carbon Tetrachloride	56-23-5	ND	12.3	1.00	U	MS08-1334-14
Chlorobenzene	108-90-7	ND	12.3	1.00	U	MS08-1334-14
Chloroethane	75-00-3	ND	12.3	1.00	U	MS08-1334-14
Chloroform	67-66-3	ND	12.3	1.00	U	MS08-1334-14
Chloromethane	74-87-3	ND	12.3	1.00	U	MS08-1334-14
cis-1,2-Dichloroethene	156-59-2	ND	12.3	1.00	U	MS08-1334-14
cis-1,3-Dichloropropene	10061-01-5	ND	12.3	1.00	U	MS08-1334-14
Dibromochloromethane	124-48-1	ND	12.3	1.00	U	MS08-1334-14

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Analytical Sample Results

Job Number: 13070054

Pace Analytical Services, Inc.
 2190 Technology Drive
 Schenectady, NY 12308
 Phone: 518.346.4592
 Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: AUTO SHOP- W. LIFT
Lab Sample ID: 13070054-11 (AQ15342)

Collection Date: 07/02/2013 13:40
Sample Matrix: SOLID
Received Date: 07/02/2013 18:00
Percent Solid: 81.7 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1334-14	EPA Method 8260B	07/03/2013 17:53	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2039	EPA 5035A-L	07/03/2013 13:11	BH	0.998 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibromomethane	74-95-3	ND	12.3	1.00	U	MS08-1334-14
Dichlorodifluoromethane	75-71-8	ND	12.3	1.00	U	MS08-1334-14
Ethylbenzene	100-41-4	ND	12.3	1.00	U	MS08-1334-14
Hexachlorobutadiene	87-68-3	ND	12.3	1.00	U	MS08-1334-14
Isopropylbenzene	98-82-8	ND	12.3	1.00	U	MS08-1334-14
m&p-Xylene	136777-61-2	ND	12.3	1.00	U	MS08-1334-14
Methylene Chloride	75-09-2	ND	12.3	1.00	U	MS08-1334-14
Methyl-tert-butyl-ether (MTBE)	1634-04-4	ND	12.3	1.00	U	MS08-1334-14
Naphthalene	91-20-3	ND	12.3	1.00	U	MS08-1334-14
n-Butylbenzene	104-51-8	ND	12.3	1.00	U	MS08-1334-14
n-Propylbenzene	103-65-1	ND	12.3	1.00	U	MS08-1334-14
o-Xylene	95-47-6	ND	12.3	1.00	U	MS08-1334-14
sec-Butylbenzene	135-98-8	ND	12.3	1.00	U	MS08-1334-14
Styrene	100-42-5	ND	12.3	1.00	U	MS08-1334-14
tert-Butylbenzene	98-06-6	ND	12.3	1.00	U	MS08-1334-14
Tetrachloroethene	127-18-4	ND	12.3	1.00	U	MS08-1334-14
Toluene	108-88-3	ND	12.3	1.00	U	MS08-1334-14
trans-1,2-Dichloroethene	156-60-5	ND	12.3	1.00	U	MS08-1334-14
trans-1,3-Dichloropropene	10061-02-6	ND	12.3	1.00	U	MS08-1334-14
Trichloroethene	79-01-6	ND	12.3	1.00	U	MS08-1334-14
Trichlorofluoromethane	75-69-4	ND	12.3	1.00	U	MS08-1334-14
Vinyl Acetate	108-05-4	ND	12.3	1.00	U	MS08-1334-14
Vinyl Chloride	75-01-4	ND	12.3	1.00	U	MS08-1334-14

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Bromofluorobenzene	460-00-4	121	45.4-170		MS08-1334-14
Dibromofluoromethane	1868-53-7	107	79.3-122		MS08-1334-14
toluene-d8	2037-26-5	92.1	77.0-133		MS08-1334-14
1,2-Dichloroethane-d4	17060-07-0	112	80.9-116		MS08-1334-14

¹Qualifier column where "*" denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
 PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
 B - Denotes analyte observed in associated method blank at a concentration exceeding the PQL.

GC/MS Volatiles - TIC

FORM 1
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

PROFESSIONAL SERVICE02-JUL-2013 18:00

AUTOSHOP-W.LIFT

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13070054PSI

Matrix: (soil/water) SOLID Lab Sample ID: AQ15342

Sample wt/vol: 1.0 (g/mL) G Lab File ID: M8070314

Level: (low/med) LOW Date Received: 07/02/13

% Moisture: not dec. 18 Date Analyzed: 07/03/13

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (ml) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 CONCENTRATION UNITS:
 (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	14.92	69.2	J
2.				
3.				
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FORM I VOA-TIC

5

GC/MS Semivolatiles



Analytical Sample Results

Job Number: 13070054

Pace Analytical Services, Inc.
 2190 Technology Drive
 Schenectady, NY 12308
 Phone: 518.346.4592
 Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: TMW-6
Lab Sample ID: 13070054-02 (AQ15333)

Collection Date: 07/02/2013 10:50
Sample Matrix: WATER
Received Date: 07/02/2013 18:00
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1252-10	EPA Method 8270C	07/08/2013 13:35	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	22781	EPA 3520C	07/05/2013 07:15	OCD	1070 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,2,4-Trichlorobenzene	120-82-1	ND	9.35	1.00	U	MS07-1252-10
1,2-Dichlorobenzene	95-50-1	ND	9.35	1.00	U	MS07-1252-10
1,3-Dichlorobenzene	541-73-1	ND	9.35	1.00	U	MS07-1252-10
1,4-Dichlorobenzene	106-46-7	ND	9.35	1.00	U	MS07-1252-10
2,4,5-Trichlorophenol	95-95-4	ND	9.35	1.00	U	MS07-1252-10
2,4,6-Trichlorophenol	88-06-2	ND	9.35	1.00	U	MS07-1252-10
2,4-Dichlorophenol	120-83-2	ND	9.35	1.00	U	MS07-1252-10
2,4-Dimethylphenol	105-67-9	ND	9.35	1.00	U	MS07-1252-10
2,4-Dinitrophenol	51-28-5	ND	9.35	1.00	U	MS07-1252-10
2,4-Dinitrotoluene	121-14-2	ND	9.35	1.00	U	MS07-1252-10
2,6-Dinitrotoluene	606-20-2	ND	9.35	1.00	U	MS07-1252-10
2-Chloronaphthalene	91-58-7	ND	4.67	1.00	U	MS07-1252-10
2-Chlorophenol	95-57-8	ND	9.35	1.00	U	MS07-1252-10
2-Methylnaphthalene	91-57-6	ND	4.67	1.00	U	MS07-1252-10
2-Methylphenol	95-48-7	ND	9.35	1.00	U	MS07-1252-10
2-Nitroaniline	88-74-4	ND	9.35	1.00	U	MS07-1252-10
2-Nitrophenol	88-75-5	ND	9.35	1.00	U	MS07-1252-10
3&4-Methylphenol*	108-39-4/106-44-5	ND	9.35	1.00	U	MS07-1252-10
3,3'-Dichlorobenzidine	91-94-1	ND	9.35	1.00	U	MS07-1252-10
3-Nitroaniline	99-09-2	ND	9.35	1.00	U	MS07-1252-10
4,6-Dinitro-2-methylphenol	534-52-1	ND	9.35	1.00	U	MS07-1252-10
4-Bromophenyl-phenylether	101-55-3	ND	9.35	1.00	U	MS07-1252-10
4-Chloro-3-methylphenol	59-50-7	ND	9.35	1.00	U	MS07-1252-10
4-Chloroaniline	106-47-8	ND	9.35	1.00	U	MS07-1252-10
4-Chlorophenyl-phenylether	7005-72-3	ND	9.35	1.00	U	MS07-1252-10
4-Nitroaniline	100-01-6	ND	9.35	1.00	U	MS07-1252-10
4-Nitrophenol	100-02-7	ND	9.35	1.00	U	MS07-1252-10
Acenaphthene	83-32-9	ND	4.67	1.00	U	MS07-1252-10
Acenaphthylene	208-96-8	ND	4.67	1.00	U	MS07-1252-10
Anthracene	120-12-7	ND	4.67	1.00	U	MS07-1252-10
Benzo(a)anthracene	56-55-3	4.78	4.67	1.00		MS07-1252-10
Benzo(a)pyrene	50-32-8	ND	4.67	1.00	U	MS07-1252-10
Benzo(b)fluoranthene	205-99-2	4.99	4.67	1.00		MS07-1252-10
Benzo(g,h,i)perylene	191-24-2	ND	4.67	1.00	U	MS07-1252-10
Benzo(k)fluoranthene	207-08-9	ND	4.67	1.00	U	MS07-1252-10
bis(2-chloroethoxy)methane	111-91-1	ND	9.35	1.00	U	MS07-1252-10
bis(2-chloroethyl)ether	111-44-4	ND	9.35	1.00	U	MS07-1252-10
bis(2-Chloroisopropyl)ether	108-60-1	ND	9.35	1.00	U	MS07-1252-10
bis(2-Ethylhexyl)phthalate	117-81-7	ND	9.35	1.00	U	MS07-1252-10
Butylbenzylphthalate	85-68-7	ND	9.35	1.00	U	MS07-1252-10
Carbazole	86-74-8	ND	4.67	1.00	U	MS07-1252-10
Chrysene	218-01-9	6.49	4.67	1.00		MS07-1252-10
Dibenz(a,h)anthracene	53-70-3	ND	4.67	1.00	U	MS07-1252-10
Dibenzofuran	132-64-9	ND	4.67	1.00	U	MS07-1252-10

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Analytical Sample Results

Job Number: 13070054

Pace Analytical Services, Inc.
 2190 Technology Drive
 Schenectady, NY 12308
 Phone: 518.346.4592
 Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: TMW-6
Lab Sample ID: 13070054-02 (AQ15333)

Collection Date: 07/02/2013 10:50
Sample Matrix: WATER
Received Date: 07/02/2013 18:00
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1252-10	EPA Method 8270C	07/08/2013 13:35	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	22781	EPA 3520C	07/05/2013 07:15	OCD	1070 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Diethylphthalate	84-66-2	ND	9.35	1.00	U	MS07-1252-10
Dimethylphthalate	131-11-3	ND	9.35	1.00	U	MS07-1252-10
Di-n-butylphthalate	84-74-2	ND	9.35	1.00	U	MS07-1252-10
Di-n-octylphthalate	117-84-0	ND	9.35	1.00	U	MS07-1252-10
Fluoranthene	206-44-0	ND	4.67	1.00	U	MS07-1252-10
Fluorene	86-73-7	ND	4.67	1.00	U	MS07-1252-10
Hexachlorobenzene	118-74-1	ND	9.35	1.00	U	MS07-1252-10
Hexachlorobutadiene	87-68-3	ND	9.35	1.00	U	MS07-1252-10
Hexachlorocyclopentadiene	77-47-4	ND	9.35	1.00	U	MS07-1252-10
Hexachloroethane	67-72-1	ND	9.35	1.00	U	MS07-1252-10
Indeno(1,2,3-cd)pyrene	193-39-5	ND	4.67	1.00	U	MS07-1252-10
Isophorone	78-59-1	ND	9.35	1.00	U	MS07-1252-10
Naphthalene	91-20-3	ND	4.67	1.00	U	MS07-1252-10
Nitrobenzene	98-95-3	ND	9.35	1.00	U	MS07-1252-10
N-Nitroso-di-n-propylamine	621-64-7	ND	9.35	1.00	U	MS07-1252-10
N-Nitrosodiphenylamine	86-30-6	ND	9.35	1.00	U	MS07-1252-10
Pentachlorophenol	87-86-5	ND	9.35	1.00	U	MS07-1252-10
Phenanthrene	85-01-8	ND	4.67	1.00	U	MS07-1252-10
Phenol	108-95-2	ND	9.35	1.00	U	MS07-1252-10
Pyrene	129-00-0	8.59	4.67	1.00		MS07-1252-10

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
2,4,6-Tribromophenol	118-79-6	78.3	19.0-122		MS07-1252-10
2-Fluorobiphenyl	321-60-8	54.0	30.0-115		MS07-1252-10
2-Fluorophenol	367-12-4	72.7	25.0-121		MS07-1252-10
Terphenyl-d14	1718-51-0	57.1	18.0-137		MS07-1252-10
Nitrobenzene-d5	4165-60-0	58.9	23.0-120		MS07-1252-10
Phenol-d6	13127-88-3	83.8	24.0-113		MS07-1252-10

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.



Analytical Sample Results

Job Number: 13070054

Pace Analytical Services, Inc.
 2190 Technology Drive
 Schenectady, NY 12308
 Phone: 518.346.4592
 Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: TMW-7
Lab Sample ID: 13070054-04 (AQ15335)

Collection Date: 07/02/2013 11:40
Sample Matrix: WATER
Received Date: 07/02/2013 18:00
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1252-17	EPA Method 8270C	07/08/2013 16:05	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	22781	EPA 3520C	07/05/2013 07:15	OCD	1040 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,2,4-Trichlorobenzene	120-82-1	ND	9.62	1.00	U	MS07-1252-17
1,2-Dichlorobenzene	95-50-1	ND	9.62	1.00	U	MS07-1252-17
1,3-Dichlorobenzene	541-73-1	ND	9.62	1.00	U	MS07-1252-17
1,4-Dichlorobenzene	106-46-7	ND	9.62	1.00	U	MS07-1252-17
2,4,5-Trichlorophenol	95-95-4	ND	9.62	1.00	U	MS07-1252-17
2,4,6-Trichlorophenol	88-06-2	ND	9.62	1.00	U	MS07-1252-17
2,4-Dichlorophenol	120-83-2	ND	9.62	1.00	U	MS07-1252-17
2,4-Dimethylphenol	105-67-9	ND	9.62	1.00	U	MS07-1252-17
2,4-Dinitrophenol	51-28-5	ND	9.62	1.00	U	MS07-1252-17
2,4-Dinitrotoluene	121-14-2	ND	9.62	1.00	U	MS07-1252-17
2,6-Dinitrotoluene	606-20-2	ND	9.62	1.00	U	MS07-1252-17
2-Chloronaphthalene	91-58-7	ND	4.81	1.00	U	MS07-1252-17
2-Chlorophenol	95-57-8	ND	9.62	1.00	U	MS07-1252-17
2-Methylnaphthalene	91-57-6	ND	4.81	1.00	U	MS07-1252-17
2-Methylphenol	95-48-7	ND	9.62	1.00	U	MS07-1252-17
2-Nitroaniline	88-74-4	ND	9.62	1.00	U	MS07-1252-17
2-Nitrophenol	88-75-5	ND	9.62	1.00	U	MS07-1252-17
3&4-Methylphenol*	108-39-4/106-44-5	ND	9.62	1.00	U	MS07-1252-17
3,3'-Dichlorobenzidine	91-94-1	ND	9.62	1.00	U	MS07-1252-17
3-Nitroaniline	99-09-2	ND	9.62	1.00	U	MS07-1252-17
4,6-Dinitro-2-methylphenol	534-52-1	ND	9.62	1.00	U	MS07-1252-17
4-Bromophenyl-phenylether	101-55-3	ND	9.62	1.00	U	MS07-1252-17
4-Chloro-3-methylphenol	59-50-7	ND	9.62	1.00	U	MS07-1252-17
4-Chloroaniline	106-47-8	ND	9.62	1.00	U	MS07-1252-17
4-Chlorophenyl-phenylether	7005-72-3	ND	9.62	1.00	U	MS07-1252-17
4-Nitroaniline	100-01-6	ND	9.62	1.00	U	MS07-1252-17
4-Nitrophenol	100-02-7	ND	9.62	1.00	U	MS07-1252-17
Acenaphthene	83-32-9	ND	4.81	1.00	U	MS07-1252-17
Acenaphthylene	208-96-8	ND	4.81	1.00	U	MS07-1252-17
Anthracene	120-12-7	ND	4.81	1.00	U	MS07-1252-17
Benzo(a)anthracene	56-55-3	ND	4.81	1.00	U	MS07-1252-17
Benzo(a)pyrene	50-32-8	ND	4.81	1.00	U	MS07-1252-17
Benzo(b)fluoranthene	205-99-2	ND	4.81	1.00	U	MS07-1252-17
Benzo(g,h,i)perylene	191-24-2	ND	4.81	1.00	U	MS07-1252-17
Benzo(k)fluoranthene	207-08-9	ND	4.81	1.00	U	MS07-1252-17
bis(2-chloroethoxy)methane	111-91-1	ND	9.62	1.00	U	MS07-1252-17
bis(2-chloroethyl)ether	111-44-4	ND	9.62	1.00	U	MS07-1252-17
bis(2-Chloroisopropyl)ether	108-60-1	ND	9.62	1.00	U	MS07-1252-17
bis(2-Ethylhexyl)phthalate	117-81-7	ND	9.62	1.00	U	MS07-1252-17
Butylbenzylphthalate	85-68-7	ND	9.62	1.00	U	MS07-1252-17
Carbazole	86-74-8	ND	4.81	1.00	U	MS07-1252-17
Chrysene	218-01-9	ND	4.81	1.00	U	MS07-1252-17
Dibenz(a,h)anthracene	53-70-3	ND	4.81	1.00	U	MS07-1252-17
Dibenzofuran	132-64-9	ND	4.81	1.00	U	MS07-1252-17

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Analytical Sample Results

Job Number: 13070054

Pace Analytical Services, Inc.
 2190 Technology Drive
 Schenectady, NY 12308
 Phone: 518.346.4592
 Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: TMW-7
Lab Sample ID: 13070054-04 (AQ15335)

Collection Date: 07/02/2013 11:40
Sample Matrix: WATER
Received Date: 07/02/2013 18:00
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1252-17	EPA Method 8270C	07/08/2013 16:05	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	22781	EPA 3520C	07/05/2013 07:15	OCD	1040 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Diethylphthalate	84-66-2	ND	9.62	1.00	U	MS07-1252-17
Dimethylphthalate	131-11-3	ND	9.62	1.00	U	MS07-1252-17
Di-n-butylphthalate	84-74-2	ND	9.62	1.00	U	MS07-1252-17
Di-n-octylphthalate	117-84-0	ND	9.62	1.00	U	MS07-1252-17
Fluoranthene	206-44-0	ND	4.81	1.00	U	MS07-1252-17
Fluorene	86-73-7	ND	4.81	1.00	U	MS07-1252-17
Hexachlorobenzene	118-74-1	ND	9.62	1.00	U	MS07-1252-17
Hexachlorobutadiene	87-68-3	ND	9.62	1.00	U	MS07-1252-17
Hexachlorocyclopentadiene	77-47-4	ND	9.62	1.00	U	MS07-1252-17
Hexachloroethane	67-72-1	ND	9.62	1.00	U	MS07-1252-17
Indeno(1,2,3-cd)pyrene	193-39-5	ND	4.81	1.00	U	MS07-1252-17
Isophorone	78-59-1	ND	9.62	1.00	U	MS07-1252-17
Naphthalene	91-20-3	ND	4.81	1.00	U	MS07-1252-17
Nitrobenzene	98-95-3	ND	9.62	1.00	U	MS07-1252-17
N-Nitroso-di-n-propylamine	621-64-7	ND	9.62	1.00	U	MS07-1252-17
N-Nitrosodiphenylamine	86-30-6	ND	9.62	1.00	U	MS07-1252-17
Pentachlorophenol	87-86-5	ND	9.62	1.00	U	MS07-1252-17
Phenanthrene	85-01-8	ND	4.81	1.00	U	MS07-1252-17
Phenol	108-95-2	ND	9.62	1.00	U	MS07-1252-17
Pyrene	129-00-0	ND	4.81	1.00	U	MS07-1252-17

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
2,4,6-Tribromophenol	118-79-6	104	19.0-122		MS07-1252-17
2-Fluorobiphenyl	321-60-8	87.1	30.0-115		MS07-1252-17
2-Fluorophenol	367-12-4	79.6	25.0-121		MS07-1252-17
Terphenyl-d14	1718-51-0	81.0	18.0-137		MS07-1252-17
Nitrobenzene-d5	4165-60-0	85.6	23.0-120		MS07-1252-17
Phenol-d6	13127-88-3	89.9	24.0-113		MS07-1252-17

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.



Analytical Sample Results

Job Number: 13070054

Pace Analytical Services, Inc.
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 Phone: 518.346.4592
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Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: TMW-8
Lab Sample ID: 13070054-06 (AQ15337)

Collection Date: 07/02/2013 12:20
Sample Matrix: WATER
Received Date: 07/02/2013 18:00
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1252-16	EPA Method 8270C	07/08/2013 15:44	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	22781	EPA 3520C	07/05/2013 07:15	OCD	1040 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,2,4-Trichlorobenzene	120-82-1	ND	9.62	1.00	U	MS07-1252-16
1,2-Dichlorobenzene	95-50-1	ND	9.62	1.00	U	MS07-1252-16
1,3-Dichlorobenzene	541-73-1	ND	9.62	1.00	U	MS07-1252-16
1,4-Dichlorobenzene	106-46-7	ND	9.62	1.00	U	MS07-1252-16
2,4,5-Trichlorophenol	95-95-4	ND	9.62	1.00	U	MS07-1252-16
2,4,6-Trichlorophenol	88-06-2	ND	9.62	1.00	U	MS07-1252-16
2,4-Dichlorophenol	120-83-2	ND	9.62	1.00	U	MS07-1252-16
2,4-Dimethylphenol	105-67-9	ND	9.62	1.00	U	MS07-1252-16
2,4-Dinitrophenol	51-28-5	ND	9.62	1.00	U	MS07-1252-16
2,4-Dinitrotoluene	121-14-2	ND	9.62	1.00	U	MS07-1252-16
2,6-Dinitrotoluene	606-20-2	ND	9.62	1.00	U	MS07-1252-16
2-Chloronaphthalene	91-58-7	ND	4.81	1.00	U	MS07-1252-16
2-Chlorophenol	95-57-8	ND	9.62	1.00	U	MS07-1252-16
2-Methylnaphthalene	91-57-6	ND	4.81	1.00	U	MS07-1252-16
2-Methylphenol	95-48-7	ND	9.62	1.00	U	MS07-1252-16
2-Nitroaniline	88-74-4	ND	9.62	1.00	U	MS07-1252-16
2-Nitrophenol	88-75-5	ND	9.62	1.00	U	MS07-1252-16
3&4-Methylphenol*	108-39-4/106-44-5	ND	9.62	1.00	U	MS07-1252-16
3,3'-Dichlorobenzidine	91-94-1	ND	9.62	1.00	U	MS07-1252-16
3-Nitroaniline	99-09-2	ND	9.62	1.00	U	MS07-1252-16
4,6-Dinitro-2-methylphenol	534-52-1	ND	9.62	1.00	U	MS07-1252-16
4-Bromophenyl-phenylether	101-55-3	ND	9.62	1.00	U	MS07-1252-16
4-Chloro-3-methylphenol	59-50-7	ND	9.62	1.00	U	MS07-1252-16
4-Chloroaniline	106-47-8	ND	9.62	1.00	U	MS07-1252-16
4-Chlorophenyl-phenylether	7005-72-3	ND	9.62	1.00	U	MS07-1252-16
4-Nitroaniline	100-01-6	ND	9.62	1.00	U	MS07-1252-16
4-Nitrophenol	100-02-7	ND	9.62	1.00	U	MS07-1252-16
Acenaphthene	83-32-9	ND	4.81	1.00	U	MS07-1252-16
Acenaphthylene	208-96-8	ND	4.81	1.00	U	MS07-1252-16
Anthracene	120-12-7	ND	4.81	1.00	U	MS07-1252-16
Benzo(a)anthracene	56-55-3	ND	4.81	1.00	U	MS07-1252-16
Benzo(a)pyrene	50-32-8	ND	4.81	1.00	U	MS07-1252-16
Benzo(b)fluoranthene	205-99-2	ND	4.81	1.00	U	MS07-1252-16
Benzo(g,h,i)perylene	191-24-2	ND	4.81	1.00	U	MS07-1252-16
Benzo(k)fluoranthene	207-08-9	ND	4.81	1.00	U	MS07-1252-16
bis(2-chloroethoxy)methane	111-91-1	ND	9.62	1.00	U	MS07-1252-16
bis(2-chloroethyl)ether	111-44-4	ND	9.62	1.00	U	MS07-1252-16
bis(2-Chloroisopropyl)ether	108-60-1	ND	9.62	1.00	U	MS07-1252-16
bis(2-Ethylhexyl)phthalate	117-81-7	ND	9.62	1.00	U	MS07-1252-16
Butylbenzylphthalate	85-68-7	ND	9.62	1.00	U	MS07-1252-16
Carbazole	86-74-8	ND	4.81	1.00	U	MS07-1252-16
Chrysene	218-01-9	ND	4.81	1.00	U	MS07-1252-16
Dibenz(a,h)anthracene	53-70-3	ND	4.81	1.00	U	MS07-1252-16
Dibenzofuran	132-64-9	ND	4.81	1.00	U	MS07-1252-16

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Analytical Sample Results

Job Number: 13070054

Pace Analytical Services, Inc.
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 Schenectady, NY 12308
 Phone: 518.346.4592
 Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: TMW-8
Lab Sample ID: 13070054-06 (AQ15337)

Collection Date: 07/02/2013 12:20
Sample Matrix: WATER
Received Date: 07/02/2013 18:00
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1252-16	EPA Method 8270C	07/08/2013 15:44	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	22781	EPA 3520C	07/05/2013 07:15	OCD	1040 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Diethylphthalate	84-66-2	ND	9.62	1.00	U	MS07-1252-16
Dimethylphthalate	131-11-3	ND	9.62	1.00	U	MS07-1252-16
Di-n-butylphthalate	84-74-2	ND	9.62	1.00	U	MS07-1252-16
Di-n-octylphthalate	117-84-0	ND	9.62	1.00	U	MS07-1252-16
Fluoranthene	206-44-0	ND	4.81	1.00	U	MS07-1252-16
Fluorene	86-73-7	ND	4.81	1.00	U	MS07-1252-16
Hexachlorobenzene	118-74-1	ND	9.62	1.00	U	MS07-1252-16
Hexachlorobutadiene	87-68-3	ND	9.62	1.00	U	MS07-1252-16
Hexachlorocyclopentadiene	77-47-4	ND	9.62	1.00	U	MS07-1252-16
Hexachloroethane	67-72-1	ND	9.62	1.00	U	MS07-1252-16
Indeno(1,2,3-cd)pyrene	193-39-5	ND	4.81	1.00	U	MS07-1252-16
Isophorone	78-59-1	ND	9.62	1.00	U	MS07-1252-16
Naphthalene	91-20-3	ND	4.81	1.00	U	MS07-1252-16
Nitrobenzene	98-95-3	ND	9.62	1.00	U	MS07-1252-16
N-Nitroso-di-n-propylamine	621-64-7	ND	9.62	1.00	U	MS07-1252-16
N-Nitrosodiphenylamine	86-30-6	ND	9.62	1.00	U	MS07-1252-16
Pentachlorophenol	87-86-5	ND	9.62	1.00	U	MS07-1252-16
Phenanthrene	85-01-8	ND	4.81	1.00	U	MS07-1252-16
Phenol	108-95-2	ND	9.62	1.00	U	MS07-1252-16
Pyrene	129-00-0	ND	4.81	1.00	U	MS07-1252-16

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
2,4,6-Tribromophenol	118-79-6	108	19.0-122		MS07-1252-16
2-Fluorobiphenyl	321-60-8	82.5	30.0-115		MS07-1252-16
2-Fluorophenol	367-12-4	90.3	25.0-121		MS07-1252-16
Terphenyl-d14	1718-51-0	78.0	18.0-137		MS07-1252-16
Nitrobenzene-d5	4165-60-0	77.2	23.0-120		MS07-1252-16
Phenol-d6	13127-88-3	98.9	24.0-113		MS07-1252-16

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.



Analytical Sample Results

Job Number: 13070054

Pace Analytical Services, Inc.
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 Schenectady, NY 12308
 Phone: 518.346.4592
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Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: OUTSIDE OWS
Lab Sample ID: 13070054-08 (AQ15339)

Collection Date: 07/02/2013 14:40
Sample Matrix: WATER
Received Date: 07/02/2013 18:00
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1252-26	EPA Method 8270C	07/08/2013 20:02	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	22781	EPA 3520C	07/05/2013 07:15	OCD	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,2,4-Trichlorobenzene	120-82-1	ND	185	20.0	U	MS07-1252-26
1,2-Dichlorobenzene	95-50-1	ND	185	20.0	U	MS07-1252-26
1,3-Dichlorobenzene	541-73-1	ND	185	20.0	U	MS07-1252-26
1,4-Dichlorobenzene	106-46-7	ND	185	20.0	U	MS07-1252-26
2,4,5-Trichlorophenol	95-95-4	ND	185	20.0	U	MS07-1252-26
2,4,6-Trichlorophenol	88-06-2	ND	185	20.0	U	MS07-1252-26
2,4-Dichlorophenol	120-83-2	ND	185	20.0	U	MS07-1252-26
2,4-Dimethylphenol	105-67-9	409	185	20.0		MS07-1252-26
2,4-Dinitrophenol	51-28-5	ND	185	20.0	U	MS07-1252-26
2,4-Dinitrotoluene	121-14-2	ND	185	20.0	U	MS07-1252-26
2,6-Dinitrotoluene	606-20-2	ND	185	20.0	U	MS07-1252-26
2-Chloronaphthalene	91-58-7	ND	92.6	20.0	U	MS07-1252-26
2-Chlorophenol	95-57-8	ND	185	20.0	U	MS07-1252-26
2-Methylnaphthalene	91-57-6	ND	92.6	20.0	U	MS07-1252-26
2-Methylphenol	95-48-7	741	185	20.0		MS07-1252-26
2-Nitroaniline	88-74-4	ND	185	20.0	U	MS07-1252-26
2-Nitrophenol	88-75-5	ND	185	20.0	U	MS07-1252-26
3&4-Methylphenol*	108-39-4/106-44-5	1430	185	20.0		MS07-1252-26
3,3'-Dichlorobenzidine	91-94-1	ND	185	20.0	U	MS07-1252-26
3-Nitroaniline	99-09-2	ND	185	20.0	U	MS07-1252-26
4,6-Dinitro-2-methylphenol	534-52-1	ND	185	20.0	U	MS07-1252-26
4-Bromophenyl-phenylether	101-55-3	ND	185	20.0	U	MS07-1252-26
4-Chloro-3-methylphenol	59-50-7	ND	185	20.0	U	MS07-1252-26
4-Chloroaniline	106-47-8	ND	185	20.0	U	MS07-1252-26
4-Chlorophenyl-phenylether	7005-72-3	ND	185	20.0	U	MS07-1252-26
4-Nitroaniline	100-01-6	ND	185	20.0	U	MS07-1252-26
4-Nitrophenol	100-02-7	ND	185	20.0	U	MS07-1252-26
Acenaphthene	83-32-9	ND	92.6	20.0	U	MS07-1252-26
Acenaphthylene	208-96-8	ND	92.6	20.0	U	MS07-1252-26
Anthracene	120-12-7	ND	92.6	20.0	U	MS07-1252-26
Benzo(a)anthracene	56-55-3	ND	92.6	20.0	U	MS07-1252-26
Benzo(a)pyrene	50-32-8	ND	92.6	20.0	U	MS07-1252-26
Benzo(b)fluoranthene	205-99-2	ND	92.6	20.0	U	MS07-1252-26
Benzo(g,h,i)perylene	191-24-2	ND	92.6	20.0	U	MS07-1252-26
Benzo(k)fluoranthene	207-08-9	ND	92.6	20.0	U	MS07-1252-26
bis(2-chloroethoxy)methane	111-91-1	ND	185	20.0	U	MS07-1252-26
bis(2-chloroethyl)ether	111-44-4	ND	185	20.0	U	MS07-1252-26
bis(2-Chloroisopropyl)ether	108-60-1	ND	185	20.0	U	MS07-1252-26
bis(2-Ethylhexyl)phthalate	117-81-7	ND	185	20.0	U	MS07-1252-26
Butylbenzylphthalate	85-68-7	ND	185	20.0	U	MS07-1252-26
Carbazole	86-74-8	ND	92.6	20.0	U	MS07-1252-26
Chrysene	218-01-9	ND	92.6	20.0	U	MS07-1252-26
Dibenz(a,h)anthracene	53-70-3	ND	92.6	20.0	U	MS07-1252-26
Dibenzofuran	132-64-9	ND	92.6	20.0	U	MS07-1252-26

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Analytical Sample Results

Job Number: 13070054

Pace Analytical Services, Inc.
 2190 Technology Drive
 Schenectady, NY 12308
 Phone: 518.346.4592
 Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: OUTSIDE OWS
Lab Sample ID: 13070054-08 (AQ15339)

Collection Date: 07/02/2013 14:40
Sample Matrix: WATER
Received Date: 07/02/2013 18:00
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1252-26	EPA Method 8270C	07/08/2013 20:02	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	22781	EPA 3520C	07/05/2013 07:15	OCD	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Diethylphthalate	84-66-2	ND	185	20.0	U	MS07-1252-26
Dimethylphthalate	131-11-3	ND	185	20.0	U	MS07-1252-26
Di-n-butylphthalate	84-74-2	ND	185	20.0	U	MS07-1252-26
Di-n-octylphthalate	117-84-0	ND	185	20.0	U	MS07-1252-26
Fluoranthene	206-44-0	ND	92.6	20.0	U	MS07-1252-26
Fluorene	86-73-7	ND	92.6	20.0	U	MS07-1252-26
Hexachlorobenzene	118-74-1	ND	185	20.0	U	MS07-1252-26
Hexachlorobutadiene	87-68-3	ND	185	20.0	U	MS07-1252-26
Hexachlorocyclopentadiene	77-47-4	ND	185	20.0	U	MS07-1252-26
Hexachloroethane	67-72-1	ND	185	20.0	U	MS07-1252-26
Indeno(1,2,3-cd)pyrene	193-39-5	ND	92.6	20.0	U	MS07-1252-26
Isophorone	78-59-1	ND	185	20.0	U	MS07-1252-26
Naphthalene	91-20-3	ND	92.6	20.0	U	MS07-1252-26
Nitrobenzene	98-95-3	ND	185	20.0	U	MS07-1252-26
N-Nitroso-di-n-propylamine	621-64-7	ND	185	20.0	U	MS07-1252-26
N-Nitrosodiphenylamine	86-30-6	ND	185	20.0	U	MS07-1252-26
Pentachlorophenol	87-86-5	ND	185	20.0	U	MS07-1252-26
Phenanthrene	85-01-8	ND	92.6	20.0	U	MS07-1252-26
Phenol	108-95-2	1480	185	20.0		MS07-1252-26
Pyrene	129-00-0	ND	92.6	20.0	U	MS07-1252-26

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
2,4,6-Tribromophenol	118-79-6	69.6	19.0-122	D	MS07-1252-26
2-Fluorobiphenyl	321-60-8	83.6	30.0-115	D	MS07-1252-26
2-Fluorophenol	367-12-4	76.7	25.0-121	D	MS07-1252-26
Terphenyl-d14	1718-51-0	177	18.0-137	D	MS07-1252-26
Nitrobenzene-d5	4165-60-0	103	23.0-120	D	MS07-1252-26
Phenol-d6	13127-88-3	114	24.0-113	D	MS07-1252-26

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.



Analytical Sample Results

Job Number: 13070054

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
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Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: INSIDE OWS
Lab Sample ID: 13070054-10 (AQ15341)

Collection Date: 07/02/2013 15:00
Sample Matrix: WATER
Received Date: 07/02/2013 18:00
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1252-11	EPA Method 8270C	07/08/2013 13:57	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	22781	EPA 3520C	07/05/2013 07:15	OCD	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,2,4-Trichlorobenzene	120-82-1	ND	9.26	1.00	U	MS07-1252-11
1,2-Dichlorobenzene	95-50-1	ND	9.26	1.00	U	MS07-1252-11
1,3-Dichlorobenzene	541-73-1	ND	9.26	1.00	U	MS07-1252-11
1,4-Dichlorobenzene	106-46-7	ND	9.26	1.00	U	MS07-1252-11
2,4,5-Trichlorophenol	95-95-4	ND	9.26	1.00	U	MS07-1252-11
2,4,6-Trichlorophenol	88-06-2	ND	9.26	1.00	U	MS07-1252-11
2,4-Dichlorophenol	120-83-2	ND	9.26	1.00	U	MS07-1252-11
2,4-Dimethylphenol	105-67-9	ND	9.26	1.00	U	MS07-1252-11
2,4-Dinitrophenol	51-28-5	ND	9.26	1.00	U	MS07-1252-11
2,4-Dinitrotoluene	121-14-2	ND	9.26	1.00	U	MS07-1252-11
2,6-Dinitrotoluene	606-20-2	ND	9.26	1.00	U	MS07-1252-11
2-Chloronaphthalene	91-58-7	ND	4.63	1.00	U	MS07-1252-11
2-Chlorophenol	95-57-8	ND	9.26	1.00	U	MS07-1252-11
2-Methylnaphthalene	91-57-6	ND	4.63	1.00	U	MS07-1252-11
2-Methylphenol	95-48-7	ND	9.26	1.00	U	MS07-1252-11
2-Nitroaniline	88-74-4	ND	9.26	1.00	U	MS07-1252-11
2-Nitrophenol	88-75-5	ND	9.26	1.00	U	MS07-1252-11
3&4-Methylphenol*	108-39-4/106-44-5	ND	9.26	1.00	U	MS07-1252-11
3,3'-Dichlorobenzidine	91-94-1	ND	9.26	1.00	U	MS07-1252-11
3-Nitroaniline	99-09-2	ND	9.26	1.00	U	MS07-1252-11
4,6-Dinitro-2-methylphenol	534-52-1	ND	9.26	1.00	U	MS07-1252-11
4-Bromophenyl-phenylether	101-55-3	ND	9.26	1.00	U	MS07-1252-11
4-Chloro-3-methylphenol	59-50-7	ND	9.26	1.00	U	MS07-1252-11
4-Chloroaniline	106-47-8	ND	9.26	1.00	U	MS07-1252-11
4-Chlorophenyl-phenylether	7005-72-3	ND	9.26	1.00	U	MS07-1252-11
4-Nitroaniline	100-01-6	ND	9.26	1.00	U	MS07-1252-11
4-Nitrophenol	100-02-7	ND	9.26	1.00	U	MS07-1252-11
Acenaphthene	83-32-9	ND	4.63	1.00	U	MS07-1252-11
Acenaphthylene	208-96-8	ND	4.63	1.00	U	MS07-1252-11
Anthracene	120-12-7	ND	4.63	1.00	U	MS07-1252-11
Benzo(a)anthracene	56-55-3	ND	4.63	1.00	U	MS07-1252-11
Benzo(a)pyrene	50-32-8	ND	4.63	1.00	U	MS07-1252-11
Benzo(b)fluoranthene	205-99-2	ND	4.63	1.00	U	MS07-1252-11
Benzo(g,h,i)perylene	191-24-2	ND	4.63	1.00	U	MS07-1252-11
Benzo(k)fluoranthene	207-08-9	ND	4.63	1.00	U	MS07-1252-11
bis(2-chloroethoxy)methane	111-91-1	ND	9.26	1.00	U	MS07-1252-11
bis(2-chloroethyl)ether	111-44-4	ND	9.26	1.00	U	MS07-1252-11
bis(2-Chloroisopropyl)ether	108-60-1	ND	9.26	1.00	U	MS07-1252-11
bis(2-Ethylhexyl)phthalate	117-81-7	ND	9.26	1.00	U	MS07-1252-11
Butylbenzylphthalate	85-68-7	ND	9.26	1.00	U	MS07-1252-11
Carbazole	86-74-8	ND	4.63	1.00	U	MS07-1252-11
Chrysene	218-01-9	ND	4.63	1.00	U	MS07-1252-11
Dibenz(a,h)anthracene	53-70-3	ND	4.63	1.00	U	MS07-1252-11
Dibenzofuran	132-64-9	ND	4.63	1.00	U	MS07-1252-11

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Analytical Sample Results

Job Number: 13070054

Pace Analytical Services, Inc.
 2190 Technology Drive
 Schenectady, NY 12308
 Phone: 518.346.4592
 Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: INSIDE OWS
Lab Sample ID: 13070054-10 (AQ15341)

Collection Date: 07/02/2013 15:00
Sample Matrix: WATER
Received Date: 07/02/2013 18:00
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1252-11	EPA Method 8270C	07/08/2013 13:57	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	22781	EPA 3520C	07/05/2013 07:15	OCD	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Diethylphthalate	84-66-2	ND	9.26	1.00	U	MS07-1252-11
Dimethylphthalate	131-11-3	ND	9.26	1.00	U	MS07-1252-11
Di-n-butylphthalate	84-74-2	ND	9.26	1.00	U	MS07-1252-11
Di-n-octylphthalate	117-84-0	ND	9.26	1.00	U	MS07-1252-11
Fluoranthene	206-44-0	ND	4.63	1.00	U	MS07-1252-11
Fluorene	86-73-7	ND	4.63	1.00	U	MS07-1252-11
Hexachlorobenzene	118-74-1	ND	9.26	1.00	U	MS07-1252-11
Hexachlorobutadiene	87-68-3	ND	9.26	1.00	U	MS07-1252-11
Hexachlorocyclopentadiene	77-47-4	ND	9.26	1.00	U	MS07-1252-11
Hexachloroethane	67-72-1	ND	9.26	1.00	U	MS07-1252-11
Indeno(1,2,3-cd)pyrene	193-39-5	ND	4.63	1.00	U	MS07-1252-11
Isophorone	78-59-1	ND	9.26	1.00	U	MS07-1252-11
Naphthalene	91-20-3	ND	4.63	1.00	U	MS07-1252-11
Nitrobenzene	98-95-3	ND	9.26	1.00	U	MS07-1252-11
N-Nitroso-di-n-propylamine	621-64-7	ND	9.26	1.00	U	MS07-1252-11
N-Nitrosodiphenylamine	86-30-6	ND	9.26	1.00	U	MS07-1252-11
Pentachlorophenol	87-86-5	ND	9.26	1.00	U	MS07-1252-11
Phenanthrene	85-01-8	ND	4.63	1.00	U	MS07-1252-11
Phenol	108-95-2	ND	9.26	1.00	U	MS07-1252-11
Pyrene	129-00-0	ND	4.63	1.00	U	MS07-1252-11

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
2,4,6-Tribromophenol	118-79-6	0.00	19.0-122	*	MS07-1252-11
2-Fluorobiphenyl	321-60-8	80.5	30.0-115		MS07-1252-11
2-Fluorophenol	367-12-4	0.00	25.0-121	*	MS07-1252-11
Terphenyl-d14	1718-51-0	83.0	18.0-137		MS07-1252-11
Nitrobenzene-d5	4165-60-0	76.3	23.0-120		MS07-1252-11
Phenol-d6	13127-88-3	0.00	24.0-113	*	MS07-1252-11

¹Qualifier column where "*" denotes value outside the control limits or "D" denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.



Analytical Sample Results

Job Number: 13070054

Pace Analytical Services, Inc.
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 Phone: 518.346.4592
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Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: AUTO SHOP- W. LIFT
Lab Sample ID: 13070054-12 (AQ15343)

Collection Date: 07/02/2013 13:45
Sample Matrix: SOLID
Received Date: 07/02/2013 18:00
Percent Solid: 86.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1250-19	EPA Method 8270C	07/05/2013 14:51	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	22750	EPA 3545	07/03/2013 11:39	CAP	30.7 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,2,4-Trichlorobenzene	120-82-1	ND	375	1.00	U	MS07-1250-19
1,2-Dichlorobenzene	95-50-1	ND	375	1.00	U	MS07-1250-19
1,3-Dichlorobenzene	541-73-1	ND	375	1.00	U	MS07-1250-19
1,4-Dichlorobenzene	106-46-7	ND	375	1.00	U	MS07-1250-19
2,4,5-Trichlorophenol	95-95-4	ND	375	1.00	U	MS07-1250-19
2,4,6-Trichlorophenol	88-06-2	ND	375	1.00	U	MS07-1250-19
2,4-Dichlorophenol	120-83-2	ND	375	1.00	U	MS07-1250-19
2,4-Dimethylphenol	105-67-9	ND	375	1.00	U	MS07-1250-19
2,4-Dinitrophenol	51-28-5	ND	375	1.00	U	MS07-1250-19
2,4-Dinitrotoluene	121-14-2	ND	375	1.00	U	MS07-1250-19
2,6-Dinitrotoluene	606-20-2	ND	375	1.00	U	MS07-1250-19
2-Chloronaphthalene	91-58-7	ND	187	1.00	U	MS07-1250-19
2-Chlorophenol	95-57-8	ND	375	1.00	U	MS07-1250-19
2-Methylnaphthalene	91-57-6	ND	187	1.00	U	MS07-1250-19
2-Methylphenol	95-48-7	ND	375	1.00	U	MS07-1250-19
2-Nitroaniline	88-74-4	ND	375	1.00	U	MS07-1250-19
2-Nitrophenol	88-75-5	ND	375	1.00	U	MS07-1250-19
3&4-Methylphenol*	108-39-4/106-44-5	ND	375	1.00	U	MS07-1250-19
3,3'-Dichlorobenzidine	91-94-1	ND	375	1.00	U	MS07-1250-19
3-Nitroaniline	99-09-2	ND	375	1.00	U	MS07-1250-19
4,6-Dinitro-2-methylphenol	534-52-1	ND	375	1.00	U	MS07-1250-19
4-Bromophenyl-phenylether	101-55-3	ND	375	1.00	U	MS07-1250-19
4-Chloro-3-methylphenol	59-50-7	ND	375	1.00	U	MS07-1250-19
4-Chloroaniline	106-47-8	ND	375	1.00	U	MS07-1250-19
4-Chlorophenyl-phenylether	7005-72-3	ND	375	1.00	U	MS07-1250-19
4-Nitroaniline	100-01-6	ND	375	1.00	U	MS07-1250-19
4-Nitrophenol	100-02-7	ND	375	1.00	U	MS07-1250-19
Acenaphthene	83-32-9	ND	187	1.00	U	MS07-1250-19
Acenaphthylene	208-96-8	ND	187	1.00	U	MS07-1250-19
Anthracene	120-12-7	ND	187	1.00	U	MS07-1250-19
Benzo(a)anthracene	56-55-3	ND	187	1.00	U	MS07-1250-19
Benzo(a)pyrene	50-32-8	ND	187	1.00	U	MS07-1250-19
Benzo(b)fluoranthene	205-99-2	ND	187	1.00	U	MS07-1250-19
Benzo(g,h,i)perylene	191-24-2	ND	187	1.00	U	MS07-1250-19
Benzo(k)fluoranthene	207-08-9	ND	187	1.00	U	MS07-1250-19
bis(2-chloroethoxy)methane	111-91-1	ND	375	1.00	U	MS07-1250-19
bis(2-chloroethyl)ether	111-44-4	ND	375	1.00	U	MS07-1250-19
bis(2-Chloroisopropyl)ether	108-60-1	ND	375	1.00	U	MS07-1250-19
bis(2-Ethylhexyl)phthalate	117-81-7	ND	375	1.00	U	MS07-1250-19
Butylbenzylphthalate	85-68-7	ND	375	1.00	U	MS07-1250-19
Carbazole	86-74-8	ND	187	1.00	U	MS07-1250-19
Chrysene	218-01-9	ND	187	1.00	U	MS07-1250-19
Dibenz(a,h)anthracene	53-70-3	ND	187	1.00	U	MS07-1250-19
Dibenzofuran	132-64-9	ND	187	1.00	U	MS07-1250-19

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Analytical Sample Results

Job Number: 13070054

Pace Analytical Services, Inc.
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 Schenectady, NY 12308
 Phone: 518.346.4592
 Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: AUTO SHOP- W. LIFT
Lab Sample ID: 13070054-12 (AQ15343)

Collection Date: 07/02/2013 13:45
Sample Matrix: SOLID
Received Date: 07/02/2013 18:00
Percent Solid: 86.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1250-19	EPA Method 8270C	07/05/2013 14:51	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	22750	EPA 3545	07/03/2013 11:39	CAP	30.7 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Diethylphthalate	84-66-2	ND	375	1.00	U	MS07-1250-19
Dimethylphthalate	131-11-3	ND	375	1.00	U	MS07-1250-19
Di-n-butylphthalate	84-74-2	ND	375	1.00	U	MS07-1250-19
Di-n-octylphthalate	117-84-0	ND	375	1.00	U	MS07-1250-19
Fluoranthene	206-44-0	ND	187	1.00	U	MS07-1250-19
Fluorene	86-73-7	ND	187	1.00	U	MS07-1250-19
Hexachlorobenzene	118-74-1	ND	375	1.00	U	MS07-1250-19
Hexachlorobutadiene	87-68-3	ND	375	1.00	U	MS07-1250-19
Hexachlorocyclopentadiene	77-47-4	ND	375	1.00	U	MS07-1250-19
Hexachloroethane	67-72-1	ND	375	1.00	U	MS07-1250-19
Indeno(1,2,3-cd)pyrene	193-39-5	ND	187	1.00	U	MS07-1250-19
Isophorone	78-59-1	ND	375	1.00	U	MS07-1250-19
Naphthalene	91-20-3	ND	187	1.00	U	MS07-1250-19
Nitrobenzene	98-95-3	ND	375	1.00	U	MS07-1250-19
N-Nitroso-di-n-propylamine	621-64-7	ND	375	1.00	U	MS07-1250-19
N-Nitrosodiphenylamine	86-30-6	ND	375	1.00	U	MS07-1250-19
Pentachlorophenol	87-86-5	ND	375	1.00	U	MS07-1250-19
Phenanthrene	85-01-8	ND	187	1.00	U	MS07-1250-19
Phenol	108-95-2	ND	375	1.00	U	MS07-1250-19
Pyrene	129-00-0	ND	187	1.00	U	MS07-1250-19

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
2,4,6-Tribromophenol	118-79-6	80.8	19.0-122		MS07-1250-19
2-Fluorobiphenyl	321-60-8	75.6	30.0-115		MS07-1250-19
2-Fluorophenol	367-12-4	67.8	25.0-121		MS07-1250-19
Terphenyl-d14	1718-51-0	71.5	18.0-137		MS07-1250-19
Nitrobenzene-d5	4165-60-0	63.7	23.0-120		MS07-1250-19
Phenol-d6	13127-88-3	73.8	24.0-113		MS07-1250-19

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

GC/MS Semivolatiles - TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

PROFESSIONAL SERVICE02-JUL-2013 18:00

AUTOSHOP-W.LIFT

Lab Name: PACE ANALYTICAL - NY LAB Contract:

Lab Code: 11078 Case No.: SAS No.: SDG No.: 13070054PSI

Matrix: (soil/water) SOLID Lab Sample ID: AQ15343

Sample wt/vol: 30.7 (g/mL) G Lab File ID: M7070519

Level: (low/med) LOW Date Received: 07/02/13

% Moisture: 13 decanted: (Y/N) N Date Extracted: 07/03/13

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/05/13

Injection Volume: 1.5 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 20

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	11.83	225	J
2.	UNKNOWN	12.24	279	J
3.	UNKNOWN	12.55	252	J
4.	UNKNOWN	12.67	238	J
5.	UNKNOWN	12.79	283	J
6.	UNKNOWN	12.93	601	J
7.	UNKNOWN	13.32	934	J
8.	UNKNOWN	13.81	295	J
9.	UNKNOWN	14.12	573	J
10.	UNKNOWN	14.19	240	J
11.	UNKNOWN	14.32	394	J
12.	UNKNOWN	14.40	333	J
13.	UNKNOWN	14.52	443	J
14.	UNKNOWN	14.60	218	J
15.	UNKNOWN	14.68	495	J
16.	UNKNOWN	14.82	887	J
17.	UNKNOWN	14.97	650	J
18.	UNKNOWN	15.14	360	J
19.	UNKNOWN	15.20	547	J
20.	UNKNOWN	15.66	229	J
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

GC - PCB



Analytical Sample Results

Job Number: 13070054

Pace Analytical Services, Inc.
 2190 Technology Drive
 Schenectady, NY 12308
 Phone: 518.346.4592
 Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: AUTO SHOP- W. LIFT
Lab Sample ID: 13070054-12 (AQ15343)
Collection Date: 07/02/2013 13:45
Sample Matrix: SOLID
Received Date: 07/02/2013 18:00
Percent Solid: 86.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC10F-765-14	SW-846 8082 (PCB)	07/04/2013 10:43	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	22751	EPA 3545	07/03/2013 11:36	CAP	10.7 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0539	1.00	U	GC10F-765-14
Aroclor 1221	11104-28-2	ND	0.0539	1.00	U	GC10F-765-14
Aroclor 1232	11141-16-5	ND	0.0539	1.00	U	GC10F-765-14
Aroclor 1242	53469-21-9	ND	0.0539	1.00	U	GC10F-765-14
Aroclor 1248	12672-29-6	ND	0.0539	1.00	U	GC10F-765-14
Aroclor 1254	11097-69-1	ND	0.0539	1.00	U	GC10F-765-14
Aroclor 1260	11096-82-5	ND	0.0539	1.00	U	GC10F-765-14
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC10F-765-14

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	92.8	60.0-140		GC10F-765-14
Decachlorobiphenyl	2051-24-3	103	60.0-140		GC10F-765-14

¹Qualifier column where * denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
 PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Metals - ICP



Analytical Sample Results

Job Number: 13070054

Pace Analytical Services, Inc.
 2190 Technology Drive
 Schenectady, NY 12308
 Phone: 518.346.4592
 Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: TMW-6
Lab Sample ID: 13070054-02 (AQ15333)

Collection Date: 07/02/2013 10:50
Sample Matrix: WATER
Received Date: 07/02/2013 18:00
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	ICP2-722-72	SW-846 6010B	07/08/2013 17:06	CJH	NA	NA	NA
Prep 1:	3786	EPA 3005A	07/05/2013 10:50	CYC	50.0 mL	50.0 mL	NA

Analyte	CAS No.	Result (mg/L)	PQL	Dilution Factor	Flags	File ID
Lead	7439-92-1	0.551	0.00500	1.00		ICP2-722-72

ND: Denotes analyte not detected at a concentration greater than the PQL.
 PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 13070054

Pace Analytical Services, Inc.
 2190 Technology Drive
 Schenectady, NY 12308
 Phone: 518.346.4592
 Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: TMW-7
Lab Sample ID: 13070054-04 (AQ15335)

Collection Date: 07/02/2013 11:40
Sample Matrix: WATER
Received Date: 07/02/2013 18:00
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	ICP2-722-79	SW-846 6010B	07/08/2013 17:22	CJH	NA	NA	NA
Prep 1:	3786	EPA 3005A	07/05/2013 10:50	CYC	50.0 mL	50.0 mL	NA

Analyte	CAS No.	Result (mg/L)	PQL	Dilution Factor	Flags	File ID
Lead	7439-92-1	ND	0.00500	1.00	U	ICP2-722-79

ND: Denotes analyte not detected at a concentration greater than the PQL.
 PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 13070054

Pace Analytical Services, Inc.
 2190 Technology Drive
 Schenectady, NY 12308
 Phone: 518.346.4592
 Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: TMW-8
Lab Sample ID: 13070054-06 (AQ15337)

Collection Date: 07/02/2013 12:20
Sample Matrix: WATER
Received Date: 07/02/2013 18:00
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	ICP2-722-80	SW-846 6010B	07/08/2013 17:24	CJH	NA	NA	NA
Prep 1:	3786	EPA 3005A	07/05/2013 10:50	CYC	50.0 mL	50.0 mL	NA

Analyte	CAS No.	Result (mg/L)	PQL	Dilution Factor	Flags	File ID
Lead	7439-92-1	0.0801	0.00500	1.00		ICP2-722-80

ND: Denotes analyte not detected at a concentration greater than the PQL.
 PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Quality Control Samples (Lab)



**Quality Control Results
Method Blank**

Job Number: 13070054

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: Method Blank (AQ13702B)
Lab Sample ID: VBLK-91

Collection Date: N/A
Sample Matrix: SOIL
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1334-10	EPA Method 8260B	07/03/2013 16:11	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2039	EPA 5035A-L	07/03/2013 13:06	BH	5.13 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1,1,2-Tetrachloroethane	630-20-6	ND	1.95	1.00	U	MS08-1334-10
1,1,1-Trichloroethane	71-55-6	ND	1.95	1.00	U	MS08-1334-10
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.95	1.00	U	MS08-1334-10
1,1,2-Trichloroethane	79-00-5	ND	1.95	1.00	U	MS08-1334-10
1,1-Dichloroethane	75-34-3	ND	1.95	1.00	U	MS08-1334-10
1,1-Dichloroethene	75-35-4	ND	1.95	1.00	U	MS08-1334-10
1,1-Dichloropropene	563-58-6	ND	1.95	1.00	U	MS08-1334-10
1,2,3-Trichlorobenzene	87-61-6	ND	1.95	1.00	U	MS08-1334-10
1,2,3-Trichloropropane	96-18-4	ND	1.95	1.00	U	MS08-1334-10
1,2,4-Trichlorobenzene	120-82-1	ND	1.95	1.00	U	MS08-1334-10
1,2,4-Trimethylbenzene	95-63-6	ND	1.95	1.00	U	MS08-1334-10
1,2-Dibromo-3-chloropropane	96-12-8	ND	1.95	1.00	U	MS08-1334-10
1,2-Dibromoethane	106-93-4	ND	1.95	1.00	U	MS08-1334-10
1,2-Dichlorobenzene	95-50-1	ND	1.95	1.00	U	MS08-1334-10
1,2-Dichloroethane	107-06-2	ND	1.95	1.00	U	MS08-1334-10
1,2-Dichloropropane	78-87-5	ND	1.95	1.00	U	MS08-1334-10
1,3,5-Trimethylbenzene	108-67-8	ND	1.95	1.00	U	MS08-1334-10
1,3-Dichlorobenzene	541-73-1	ND	1.95	1.00	U	MS08-1334-10
1,3-Dichloropropane	142-28-9	ND	1.95	1.00	U	MS08-1334-10
1,4-Dichlorobenzene	106-46-7	ND	1.95	1.00	U	MS08-1334-10
2,2-Dichloropropane	594-20-7	ND	1.95	1.00	U	MS08-1334-10
2-Butanone	78-93-3	ND	1.95	1.00	U	MS08-1334-10
2-Chloroethylvinylether	110-75-8	ND	1.95	1.00	U	MS08-1334-10
2-Chlorotoluene	95-49-8	ND	1.95	1.00	U	MS08-1334-10
2-Hexanone	591-78-6	ND	1.95	1.00	U	MS08-1334-10
4-Chlorotoluene	106-43-4	ND	1.95	1.00	U	MS08-1334-10
4-Isopropyltoluene	99-87-6	ND	1.95	1.00	U	MS08-1334-10
4-Methyl-2-pentanone	108-10-1	ND	1.95	1.00	U	MS08-1334-10
Acetone	67-64-1	15.3	9.74	1.00		MS08-1334-10
Benzene	71-43-2	ND	1.95	1.00	U	MS08-1334-10
Bromobenzene	108-86-1	ND	1.95	1.00	U	MS08-1334-10
Bromochloromethane	74-97-5	ND	1.95	1.00	U	MS08-1334-10
Bromodichloromethane	75-27-4	ND	1.95	1.00	U	MS08-1334-10
Bromoform	75-25-2	ND	1.95	1.00	U	MS08-1334-10
Bromomethane	74-83-9	ND	1.95	1.00	U	MS08-1334-10
Carbon Disulfide	75-15-0	ND	1.95	1.00	U	MS08-1334-10
Carbon Tetrachloride	56-23-5	ND	1.95	1.00	U	MS08-1334-10
Chlorobenzene	108-90-7	ND	1.95	1.00	U	MS08-1334-10
Chloroethane	75-00-3	ND	1.95	1.00	U	MS08-1334-10
Chloroform	67-66-3	ND	1.95	1.00	U	MS08-1334-10
Chloromethane	74-87-3	ND	1.95	1.00	U	MS08-1334-10
cis-1,2-Dichloroethene	156-59-2	ND	1.95	1.00	U	MS08-1334-10
cis-1,3-Dichloropropene	10061-01-5	ND	1.95	1.00	U	MS08-1334-10
Dibromochloromethane	124-48-1	ND	1.95	1.00	U	MS08-1334-10

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2190 Technology Drive | Schenectady, NY 12308 | Phone 518.346.4592 | Fax 518.381.6055 | www.pacelabs.com



**Quality Control Results
Method Blank**

Job Number: 13070054

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: Method Blank (AQ13702B)
Lab Sample ID: VBLK-91

Collection Date: N/A
Sample Matrix: SOIL
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1334-10	EPA Method 8260B	07/03/2013 16:11	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2039	EPA 5035A-L	07/03/2013 13:06	BH	5.13 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibromomethane	74-95-3	ND	1.95	1.00	U	MS08-1334-10
Dichlorodifluoromethane	75-71-8	ND	1.95	1.00	U	MS08-1334-10
Ethylbenzene	100-41-4	ND	1.95	1.00	U	MS08-1334-10
Hexachlorobutadiene	87-68-3	ND	1.95	1.00	U	MS08-1334-10
Isopropylbenzene	98-82-8	ND	1.95	1.00	U	MS08-1334-10
m&p-Xylene	136777-61-2	ND	1.95	1.00	U	MS08-1334-10
Methylene Chloride	75-09-2	ND	1.95	1.00	U	MS08-1334-10
Methyl-tert-butyl-ether (MTBE)	1634-04-4	ND	1.95	1.00	U	MS08-1334-10
Naphthalene	91-20-3	ND	1.95	1.00	U	MS08-1334-10
n-Butylbenzene	104-51-8	ND	1.95	1.00	U	MS08-1334-10
n-Propylbenzene	103-65-1	ND	1.95	1.00	U	MS08-1334-10
o-Xylene	95-47-6	ND	1.95	1.00	U	MS08-1334-10
sec-Butylbenzene	135-98-8	ND	1.95	1.00	U	MS08-1334-10
Styrene	100-42-5	ND	1.95	1.00	U	MS08-1334-10
tert-Butylbenzene	98-06-6	ND	1.95	1.00	U	MS08-1334-10
Tetrachloroethene	127-18-4	ND	1.95	1.00	U	MS08-1334-10
Toluene	108-88-3	ND	1.95	1.00	U	MS08-1334-10
trans-1,2-Dichloroethene	156-60-5	ND	1.95	1.00	U	MS08-1334-10
trans-1,3-Dichloropropene	10061-02-6	ND	1.95	1.00	U	MS08-1334-10
Trichloroethene	79-01-6	ND	1.95	1.00	U	MS08-1334-10
Trichlorofluoromethane	75-69-4	ND	1.95	1.00	U	MS08-1334-10
Vinyl Acetate	108-05-4	ND	1.95	1.00	U	MS08-1334-10
Vinyl Chloride	75-01-4	ND	1.95	1.00	U	MS08-1334-10

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Bromofluorobenzene	460-00-4	125	45.4-170		MS08-1334-10
Dibromofluoromethane	1868-53-7	110	79.3-122		MS08-1334-10
toluene-d8	2037-26-5	97.1	77.0-133		MS08-1334-10
1,2-Dichloroethane-d4	17060-07-0	116	80.9-116		MS08-1334-10

¹Qualifier column where "*" denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



**Quality Control Results
Lab Control Sample (LCS)**

Job Number: 13070054

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: Lab Control Sample (AQ13702L)
Lab Sample ID: LCS-91

Collection Date: N/A
Sample Matrix: SOIL
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1334-8	EPA Method 8260B	07/03/2013 15:19	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2039	EPA 5035A-L	07/03/2013 13:07	BH	4.97 g	10.0 mL	NA

Analyte Spiked	CAS No.	Added (ug/kg)	LCS (ug/kg)	LCS % Rec.	Q ¹	Limits (%)
1,1,1,2-Tetrachloroethane	630-20-6	80.4	66.0	82.1		70.0-130
1,1,1-Trichloroethane	71-55-6	80.4	79.1	98.3		70.0-130
1,1,2,2-Tetrachloroethane	79-34-5	80.4	106	132	*	70.0-130
1,1,2-Trichloroethane	79-00-5	80.4	77.1	95.9		70.0-130
1,1-Dichloroethane	75-34-3	80.4	80.5	100		70.0-130
1,1-Dichloroethene	75-35-4	80.4	76.5	95.1		70.0-130
1,1-Dichloropropene	563-58-6	80.4	79.9	99.3		70.0-130
1,2,3-Trichlorobenzene	87-61-6	80.4	82.3	102		70.0-130
1,2,3-Trichloropropane	96-18-4	80.4	94.9	118		70.0-130
1,2,4-Trichlorobenzene	120-82-1	80.4	82.3	102		70.0-130
1,2,4-Trimethylbenzene	95-63-6	80.4	79.2	98.5		70.0-130
1,2-Dibromo-3-chloropropane	96-12-8	80.4	110	137	*	70.0-130
1,2-Dibromoethane	106-93-4	80.4	83.0	103		70.0-130
1,2-Dichlorobenzene	95-50-1	80.4	77.6	96.5		70.0-130
1,2-Dichloroethane	107-06-2	80.4	87.2	108		70.0-130
1,2-Dichloropropane	78-87-5	80.4	72.8	90.5		70.0-130
1,3,5-Trimethylbenzene	108-67-8	80.4	84.1	105		70.0-130
1,3-Dichlorobenzene	541-73-1	80.4	78.7	97.8		70.0-130
1,3-Dichloropropane	142-28-9	80.4	78.0	97.0		70.0-130
1,4-Dichlorobenzene	106-46-7	80.4	76.1	94.6		70.0-130
2,2-Dichloropropane	594-20-7	80.4	73.8	91.7		70.0-130
2-Butanone	78-93-3	80.4	103	128		70.0-130
2-Chloroethylvinylether	110-75-8	80.4	91.9	114		70.0-130
2-Chlorotoluene	95-49-8	80.4	89.4	111		70.0-130
2-Hexanone	591-78-6	80.4	96.4	120		70.0-130
4-Chlorotoluene	106-43-4	80.4	83.2	103		70.0-130
4-Isopropyltoluene	99-87-6	80.4	90.8	113		70.0-130
4-Methyl-2-pentanone	108-10-1	80.4	89.3	111		70.0-130
Acetone	67-64-1	80.4	86.3	107		70.0-130
Benzene	71-43-2	80.4	80.4	100		70.0-130
Bromobenzene	108-86-1	80.4	89.3	111		70.0-130
Bromochloromethane	74-97-5	80.4	82.8	103		70.0-130
Bromodichloromethane	75-27-4	80.4	82.9	103		70.0-130
Bromoform	75-25-2	80.4	95.0	118		70.0-130
Bromomethane	74-83-9	80.4	24.5	30.4	*	70.0-130
Carbon Disulfide	75-15-0	80.4	69.6	86.5		70.0-130
Carbon Tetrachloride	56-23-5	80.4	78.1	97.1		70.0-130
Chlorobenzene	108-90-7	80.4	72.6	90.3		70.0-130
Chloroethane	75-00-3	80.4	58.0	72.2		70.0-130
Chloroform	67-66-3	80.4	80.9	101		70.0-130
Chloromethane	74-87-3	80.4	60.7	75.5		70.0-130
cis-1,2-Dichloroethene	156-59-2	80.4	76.4	94.9		70.0-130
cis-1,3-Dichloropropene	10061-01-5	80.4	82.5	103		70.0-130
Dibromochloromethane	124-48-1	80.4	76.3	94.9		70.0-130
Dibromomethane	74-95-3	80.4	83.6	104		70.0-130
Dichlorodifluoromethane	75-71-8	80.4	67.3	83.7		70.0-130
Ethylbenzene	100-41-4	80.4	71.7	89.1		70.0-130
Hexachlorobutadiene	87-68-3	80.4	77.3	96.1		70.0-130
Isopropylbenzene	98-82-8	80.4	83.9	104		70.0-130
m&p-Xylene	136777-61-2	161	145	90.4		70.0-130
Methylene Chloride	75-09-2	80.4	66.2	82.3		70.0-130
Methyl-tert-butyl-ether (MTBE)	1634-04-4	80.4	84.4	105		70.0-130

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**Quality Control Results
Lab Control Sample (LCS)**

Job Number: 13070054

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: Lab Control Sample (AQ13702L)
Lab Sample ID: LCS-91

Collection Date: N/A
Sample Matrix: SOIL
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS08-1334-8	EPA Method 8260B	07/03/2013 15:19	BH	NA	NA	Restek, Rtx-VMS, 30 m, 0.25 mm ID, 1.40 µm
Prep 1:	2039	EPA 5035A-L	07/03/2013 13:07	BH	4.97 g	10.0 mL	NA

Analyte Spiked	CAS No.	Added (ug/kg)	LCS (ug/kg)	LCS % Rec.	Q ¹	Limits (%)
Naphthalene	91-20-3	80.4	118	147	*	70.0-130
n-Butylbenzene	104-51-8	80.4	78.3	97.3		70.0-130
n-Propylbenzene	103-65-1	80.4	89.0	111		70.0-130
o-Xylene	95-47-6	80.4	69.7	86.7		70.0-130
sec-Butylbenzene	135-98-8	80.4	87.6	109		70.0-130
Styrene	100-42-5	80.4	80.7	100		70.0-130
tert-Butylbenzene	98-06-6	80.4	85.9	107		70.0-130
Tetrachloroethene	127-18-4	80.4	69.4	86.3		70.0-130
Toluene	108-88-3	80.4	66.4	82.5		70.0-130
trans-1,2-Dichloroethene	156-60-5	80.4	79.3	98.6		70.0-130
trans-1,3-Dichloropropene	10061-02-6	80.4	83.0	103		70.0-130
Trichloroethene	79-01-6	80.4	75.4	93.7		70.0-130
Trichlorofluoromethane	75-69-4	80.4	75.9	94.4		70.0-130
Vinyl Acetate	108-05-4	80.4	88.0	109		70.0-130
Vinyl Chloride	75-01-4	80.4	69.1	85.9		70.0-130

¹Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Bromofluorobenzene	460-00-4	113	45.4-170		MS08-1334-8
Dibromofluoromethane	1868-53-7	103	79.3-122		MS08-1334-8
toluene-d8	2037-26-5	93.1	77.0-133		MS08-1334-8
1,2-Dichloroethane-d4	17060-07-0	121	80.9-116	*	MS08-1334-8

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

B - Denotes analyte observed in associated method blank at a concentration exceeding the PQL.



**Quality Control Results
Method Blank**

Job Number: 13070054

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
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Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: Method Blank (AQ15333B)
Lab Sample ID: SBLK-69

Collection Date: N/A
Sample Matrix: WATER
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1252-9	EPA Method 8270C	07/08/2013 13:14	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	22781	EPA 3520C	07/05/2013 07:15	OCD	1000 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,2,4-Trichlorobenzene	120-82-1	ND	10.0	1.00	U	MS07-1252-9
1,2-Dichlorobenzene	95-50-1	ND	10.0	1.00	U	MS07-1252-9
1,3-Dichlorobenzene	541-73-1	ND	10.0	1.00	U	MS07-1252-9
1,4-Dichlorobenzene	106-46-7	ND	10.0	1.00	U	MS07-1252-9
2,4,5-Trichlorophenol	95-95-4	ND	10.0	1.00	U	MS07-1252-9
2,4,6-Trichlorophenol	88-06-2	ND	10.0	1.00	U	MS07-1252-9
2,4-Dichlorophenol	120-83-2	ND	10.0	1.00	U	MS07-1252-9
2,4-Dimethylphenol	105-67-9	ND	10.0	1.00	U	MS07-1252-9
2,4-Dinitrophenol	51-28-5	ND	10.0	1.00	U	MS07-1252-9
2,4-Dinitrotoluene	121-14-2	ND	10.0	1.00	U	MS07-1252-9
2,6-Dinitrotoluene	606-20-2	ND	10.0	1.00	U	MS07-1252-9
2-Chloronaphthalene	91-58-7	ND	5.00	1.00	U	MS07-1252-9
2-Chlorophenol	95-57-8	ND	10.0	1.00	U	MS07-1252-9
2-Methylnaphthalene	91-57-6	ND	5.00	1.00	U	MS07-1252-9
2-Methylphenol	95-48-7	ND	10.0	1.00	U	MS07-1252-9
2-Nitroaniline	88-74-4	ND	10.0	1.00	U	MS07-1252-9
2-Nitrophenol	88-75-5	ND	10.0	1.00	U	MS07-1252-9
3&4-Methylphenol*	108-39-4/106-44-5	ND	10.0	1.00	U	MS07-1252-9
3,3'-Dichlorobenzidine	91-94-1	ND	10.0	1.00	U	MS07-1252-9
3-Nitroaniline	99-09-2	ND	10.0	1.00	U	MS07-1252-9
4,6-Dinitro-2-methylphenol	534-52-1	ND	10.0	1.00	U	MS07-1252-9
4-Bromophenyl-phenylether	101-55-3	ND	10.0	1.00	U	MS07-1252-9
4-Chloro-3-methylphenol	59-50-7	ND	10.0	1.00	U	MS07-1252-9
4-Chloroaniline	106-47-8	ND	10.0	1.00	U	MS07-1252-9
4-Chlorophenyl-phenylether	7005-72-3	ND	10.0	1.00	U	MS07-1252-9
4-Nitroaniline	100-01-6	ND	10.0	1.00	U	MS07-1252-9
4-Nitrophenol	100-02-7	ND	10.0	1.00	U	MS07-1252-9
Acenaphthene	83-32-9	ND	5.00	1.00	U	MS07-1252-9
Acenaphthylene	208-96-8	ND	5.00	1.00	U	MS07-1252-9
Anthracene	120-12-7	ND	5.00	1.00	U	MS07-1252-9
Benzo(a)anthracene	56-55-3	ND	5.00	1.00	U	MS07-1252-9
Benzo(a)pyrene	50-32-8	ND	5.00	1.00	U	MS07-1252-9
Benzo(b)fluoranthene	205-99-2	ND	5.00	1.00	U	MS07-1252-9
Benzo(g,h,i)perylene	191-24-2	ND	5.00	1.00	U	MS07-1252-9
Benzo(k)fluoranthene	207-08-9	ND	5.00	1.00	U	MS07-1252-9
bis(2-chloroethoxy)methane	111-91-1	ND	10.0	1.00	U	MS07-1252-9
bis(2-chloroethyl)ether	111-44-4	ND	10.0	1.00	U	MS07-1252-9
bis(2-Chloroisopropyl)ether	108-60-1	ND	10.0	1.00	U	MS07-1252-9
bis(2-Ethylhexyl)phthalate	117-81-7	ND	10.0	1.00	U	MS07-1252-9
Butylbenzylphthalate	85-68-7	ND	10.0	1.00	U	MS07-1252-9
Carbazole	86-74-8	ND	5.00	1.00	U	MS07-1252-9
Chrysene	218-01-9	ND	5.00	1.00	U	MS07-1252-9
Dibenz(a,h)anthracene	53-70-3	ND	5.00	1.00	U	MS07-1252-9
Dibenzofuran	132-64-9	ND	5.00	1.00	U	MS07-1252-9

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**Quality Control Results
Method Blank**

Job Number: 13070054

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
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Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: Method Blank (AQ15333B)
Lab Sample ID: SBLK-69

Collection Date: N/A
Sample Matrix: WATER
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1252-9	EPA Method 8270C	07/08/2013 13:14	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	22781	EPA 3520C	07/05/2013 07:15	OCD	1000 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Diethylphthalate	84-66-2	ND	10.0	1.00	U	MS07-1252-9
Dimethylphthalate	131-11-3	ND	10.0	1.00	U	MS07-1252-9
Di-n-butylphthalate	84-74-2	ND	10.0	1.00	U	MS07-1252-9
Di-n-octylphthalate	117-84-0	ND	10.0	1.00	U	MS07-1252-9
Fluoranthene	206-44-0	ND	5.00	1.00	U	MS07-1252-9
Fluorene	86-73-7	ND	5.00	1.00	U	MS07-1252-9
Hexachlorobenzene	118-74-1	ND	10.0	1.00	U	MS07-1252-9
Hexachlorobutadiene	87-68-3	ND	10.0	1.00	U	MS07-1252-9
Hexachlorocyclopentadiene	77-47-4	ND	10.0	1.00	U	MS07-1252-9
Hexachloroethane	67-72-1	ND	10.0	1.00	U	MS07-1252-9
Indeno(1,2,3-cd)pyrene	193-39-5	ND	5.00	1.00	U	MS07-1252-9
Isophorone	78-59-1	ND	10.0	1.00	U	MS07-1252-9
Naphthalene	91-20-3	ND	5.00	1.00	U	MS07-1252-9
Nitrobenzene	98-95-3	ND	10.0	1.00	U	MS07-1252-9
N-Nitroso-di-n-propylamine	621-64-7	ND	10.0	1.00	U	MS07-1252-9
N-Nitrosodiphenylamine	86-30-6	ND	10.0	1.00	U	MS07-1252-9
Pentachlorophenol	87-86-5	ND	10.0	1.00	U	MS07-1252-9
Phenanthrene	85-01-8	ND	5.00	1.00	U	MS07-1252-9
Phenol	108-95-2	ND	10.0	1.00	U	MS07-1252-9
Pyrene	129-00-0	ND	5.00	1.00	U	MS07-1252-9

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
2,4,6-Tribromophenol	118-79-6	96.6	19.0-122		MS07-1252-9
2-Fluorobiphenyl	321-60-8	81.8	30.0-115		MS07-1252-9
2-Fluorophenol	367-12-4	86.9	25.0-121		MS07-1252-9
Terphenyl-d14	1718-51-0	75.0	18.0-137		MS07-1252-9
Nitrobenzene-d5	4165-60-0	86.8	23.0-120		MS07-1252-9
Phenol-d6	13127-88-3	101	24.0-113		MS07-1252-9

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.



**Quality Control Results
Lab Control Sample (LCS)**

Job Number: 13070054

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: Lab Control Sample (AQ15333L)
Lab Sample ID: LCS-69

Collection Date: N/A
Sample Matrix: WATER
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1252-8	EPA Method 8270C	07/08/2013 12:52	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	22781	EPA 3520C	07/05/2013 07:15	OCD	1000 mL	1.00 mL	NA

Analyte Spiked	CAS No.	Added (ug/L)	LCS (ug/L)	LCS % Rec.	Q ¹	Limits (%)
2-Chlorophenol	95-57-8	100	66.3	66.3		25.0-130
4-Chloro-3-methylphenol	59-50-7	100	59.5	59.5		46.0-112
4-Nitrophenol	100-02-7	100	71.2	71.2		22.0-123
Acenaphthene	83-32-9	100	72.0	72.0		33.0-117
Acenaphthylene	208-96-8	100	78.1	78.1		36.0-112
Anthracene	120-12-7	100	81.1	81.1		33.0-125
Benzo(a)anthracene	56-55-3	100	97.3	97.3		41.0-127
Benzo(a)pyrene	50-32-8	100	96.6	96.6		27.0-127
Benzo(b)fluoranthene	205-99-2	100	69.8	69.8		36.0-126
Benzo(g,h,i)perylene	191-24-2	100	78.5	78.5		25.0-120
Benzo(k)fluoranthene	207-08-9	100	86.7	86.7		44.0-125
Chrysene	218-01-9	100	79.1	79.1		41.0-123
Dibenz(a,h)anthracene	53-70-3	100	80.4	80.4		35.0-118
Fluoranthene	206-44-0	100	71.4	71.4		33.0-118
Fluorene	86-73-7	100	68.8	68.8		29.0-120
Indeno(1,2,3-cd)pyrene	193-39-5	100	81.8	81.8		35.0-113
Naphthalene	91-20-3	100	71.8	71.8		24.0-119
Pentachlorophenol	87-86-5	100	81.2	81.2		4.00-113
Phenanthrene	85-01-8	100	78.1	78.1		41.0-118
Phenol	108-95-2	100	60.6	60.6		35.0-128
Pyrene	129-00-0	100	81.4	81.4		42.0-122

¹Qualifier column where "*" denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
2,4,6-Tribromophenol	118-79-6	93.6	19.0-122		MS07-1252-8
2-Fluorobiphenyl	321-60-8	79.0	30.0-115		MS07-1252-8
2-Fluorophenol	367-12-4	68.8	25.0-121		MS07-1252-8
Terphenyl-d14	1718-51-0	95.7	18.0-137		MS07-1252-8
Nitrobenzene-d5	4165-60-0	70.3	23.0-120		MS07-1252-8
Phenol-d6	13127-88-3	84.0	24.0-113		MS07-1252-8

¹Qualifier column where "*" denotes value outside the control limits or "D" denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.



**Quality Control Results
Method Blank**

Job Number: 13070054

Pace Analytical Services, Inc.
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Phone: 518.346.4592
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Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: Method Blank (AQ15343B)
Lab Sample ID: SBLK-65

Collection Date: N/A
Sample Matrix: SOLID
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1250-17	EPA Method 8270C	07/05/2013 14:08	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	22750	EPA 3545	07/03/2013 11:37	CAP	30.8 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,2,4-Trichlorobenzene	120-82-1	ND	324	1.00	U	MS07-1250-17
1,2-Dichlorobenzene	95-50-1	ND	324	1.00	U	MS07-1250-17
1,3-Dichlorobenzene	541-73-1	ND	324	1.00	U	MS07-1250-17
1,4-Dichlorobenzene	106-46-7	ND	324	1.00	U	MS07-1250-17
2,4,5-Trichlorophenol	95-95-4	ND	324	1.00	U	MS07-1250-17
2,4,6-Trichlorophenol	88-06-2	ND	324	1.00	U	MS07-1250-17
2,4-Dichlorophenol	120-83-2	ND	324	1.00	U	MS07-1250-17
2,4-Dimethylphenol	105-67-9	ND	324	1.00	U	MS07-1250-17
2,4-Dinitrophenol	51-28-5	ND	324	1.00	U	MS07-1250-17
2,4-Dinitrotoluene	121-14-2	ND	324	1.00	U	MS07-1250-17
2,6-Dinitrotoluene	606-20-2	ND	324	1.00	U	MS07-1250-17
2-Chloronaphthalene	91-58-7	ND	162	1.00	U	MS07-1250-17
2-Chlorophenol	95-57-8	ND	324	1.00	U	MS07-1250-17
2-Methylnaphthalene	91-57-6	ND	162	1.00	U	MS07-1250-17
2-Methylphenol	95-48-7	ND	324	1.00	U	MS07-1250-17
2-Nitroaniline	88-74-4	ND	324	1.00	U	MS07-1250-17
2-Nitrophenol	88-75-5	ND	324	1.00	U	MS07-1250-17
3&4-Methylphenol*	108-39-4/106-44-5	ND	324	1.00	U	MS07-1250-17
3,3'-Dichlorobenzidine	91-94-1	ND	324	1.00	U	MS07-1250-17
3-Nitroaniline	99-09-2	ND	324	1.00	U	MS07-1250-17
4,6-Dinitro-2-methylphenol	534-52-1	ND	324	1.00	U	MS07-1250-17
4-Bromophenyl-phenylether	101-55-3	ND	324	1.00	U	MS07-1250-17
4-Chloro-3-methylphenol	59-50-7	ND	324	1.00	U	MS07-1250-17
4-Chloroaniline	106-47-8	ND	324	1.00	U	MS07-1250-17
4-Chlorophenyl-phenylether	7005-72-3	ND	324	1.00	U	MS07-1250-17
4-Nitroaniline	100-01-6	ND	324	1.00	U	MS07-1250-17
4-Nitrophenol	100-02-7	ND	324	1.00	U	MS07-1250-17
Acenaphthene	83-32-9	ND	162	1.00	U	MS07-1250-17
Acenaphthylene	208-96-8	ND	162	1.00	U	MS07-1250-17
Anthracene	120-12-7	ND	162	1.00	U	MS07-1250-17
Benzo(a)anthracene	56-55-3	ND	162	1.00	U	MS07-1250-17
Benzo(a)pyrene	50-32-8	ND	162	1.00	U	MS07-1250-17
Benzo(b)fluoranthene	205-99-2	ND	162	1.00	U	MS07-1250-17
Benzo(g,h,i)perylene	191-24-2	ND	162	1.00	U	MS07-1250-17
Benzo(k)fluoranthene	207-08-9	ND	162	1.00	U	MS07-1250-17
bis(2-chloroethoxy)methane	111-91-1	ND	324	1.00	U	MS07-1250-17
bis(2-chloroethyl)ether	111-44-4	ND	324	1.00	U	MS07-1250-17
bis(2-Chloroisopropyl)ether	108-60-1	ND	324	1.00	U	MS07-1250-17
bis(2-Ethylhexyl)phthalate	117-81-7	ND	324	1.00	U	MS07-1250-17
Butylbenzylphthalate	85-68-7	ND	324	1.00	U	MS07-1250-17
Carbazole	86-74-8	ND	162	1.00	U	MS07-1250-17
Chrysene	218-01-9	ND	162	1.00	U	MS07-1250-17
Dibenz(a,h)anthracene	53-70-3	ND	162	1.00	U	MS07-1250-17
Dibenzofuran	132-64-9	ND	162	1.00	U	MS07-1250-17

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**Quality Control Results
Method Blank**

Job Number: 13070054

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: Method Blank (AQ15343B)
Lab Sample ID: SBLK-65

Collection Date: N/A
Sample Matrix: SOLID
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1250-17	EPA Method 8270C	07/05/2013 14:08	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	22750	EPA 3545	07/03/2013 11:37	CAP	30.8 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Diethylphthalate	84-66-2	ND	324	1.00	U	MS07-1250-17
Dimethylphthalate	131-11-3	ND	324	1.00	U	MS07-1250-17
Di-n-butylphthalate	84-74-2	ND	324	1.00	U	MS07-1250-17
Di-n-octylphthalate	117-84-0	ND	324	1.00	U	MS07-1250-17
Fluoranthene	206-44-0	ND	162	1.00	U	MS07-1250-17
Fluorene	86-73-7	ND	162	1.00	U	MS07-1250-17
Hexachlorobenzene	118-74-1	ND	324	1.00	U	MS07-1250-17
Hexachlorobutadiene	87-68-3	ND	324	1.00	U	MS07-1250-17
Hexachlorocyclopentadiene	77-47-4	ND	324	1.00	U	MS07-1250-17
Hexachloroethane	67-72-1	ND	324	1.00	U	MS07-1250-17
Indeno(1,2,3-cd)pyrene	193-39-5	ND	162	1.00	U	MS07-1250-17
Isophorone	78-59-1	ND	324	1.00	U	MS07-1250-17
Naphthalene	91-20-3	ND	162	1.00	U	MS07-1250-17
Nitrobenzene	98-95-3	ND	324	1.00	U	MS07-1250-17
N-Nitroso-di-n-propylamine	621-64-7	ND	324	1.00	U	MS07-1250-17
N-Nitrosodiphenylamine	86-30-6	ND	324	1.00	U	MS07-1250-17
Pentachlorophenol	87-86-5	ND	324	1.00	U	MS07-1250-17
Phenanthrene	85-01-8	ND	162	1.00	U	MS07-1250-17
Phenol	108-95-2	ND	324	1.00	U	MS07-1250-17
Pyrene	129-00-0	ND	162	1.00	U	MS07-1250-17

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
2,4,6-Tribromophenol	118-79-6	86.4	19.0-122		MS07-1250-17
2-Fluorobiphenyl	321-60-8	75.4	30.0-115		MS07-1250-17
2-Fluorophenol	367-12-4	76.6	25.0-121		MS07-1250-17
Terphenyl-d14	1718-51-0	77.2	18.0-137		MS07-1250-17
Nitrobenzene-d5	4165-60-0	60.0	23.0-120		MS07-1250-17
Phenol-d6	13127-88-3	78.9	24.0-113		MS07-1250-17

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.



**Quality Control Results
Lab Control Sample (LCS)**

Job Number: 13070054

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: Lab Control Sample (AQ15343L)
Lab Sample ID: LCS-65

Collection Date: N/A
Sample Matrix: SOLID
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1250-18	EPA Method 8270C	07/05/2013 14:29	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	22750	EPA 3545	07/03/2013 11:38	CAP	30.6 g	1.00 mL	NA

Analyte Spiked	CAS No.	Added (ug/kg)	LCS (ug/kg)	LCS % Rec.	Q ¹	Limits (%)
2-Chlorophenol	95-57-8	3260	1770	54.3		25.0-130
4-Chloro-3-methylphenol	59-50-7	3260	1740	53.3		46.0-112
4-Nitrophenol	100-02-7	3260	1750	53.6		22.0-123
Acenaphthene	83-32-9	3260	1890	57.9		33.0-117
Acenaphthylene	208-96-8	3260	1970	60.3		36.0-112
Anthracene	120-12-7	3260	2530	77.5		33.0-125
Benzo(a)anthracene	56-55-3	3260	2940	90.2		41.0-127
Benzo(a)pyrene	50-32-8	3260	2130	65.1		27.0-127
Benzo(b)fluoranthene	205-99-2	3260	2330	71.4		36.0-126
Benzo(g,h,i)perylene	191-24-2	3260	2210	67.7		25.0-120
Benzo(k)fluoranthene	207-08-9	3260	2290	70.2		44.0-125
Chrysene	218-01-9	3260	2450	75.1		41.0-123
Dibenz(a,h)anthracene	53-70-3	3260	1840	56.4		35.0-118
Fluoranthene	206-44-0	3260	2280	69.9		33.0-118
Fluorene	86-73-7	3260	1850	56.8		29.0-120
Indeno(1,2,3-cd)pyrene	193-39-5	3260	2070	63.4		35.0-113
Naphthalene	91-20-3	3260	1270	38.8		24.0-119
Pentachlorophenol	87-86-5	3260	1510	46.3		4.00-113
Phenanthrene	85-01-8	3260	2460	75.3		41.0-118
Phenol	108-95-2	3260	1570	48.2		35.0-128
Pyrene	129-00-0	3260	2430	74.4		42.0-122

¹Qualifier column where "*" denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
2,4,6-Tribromophenol	118-79-6	74.6	19.0-122		MS07-1250-18
2-Fluorobiphenyl	321-60-8	55.5	30.0-115		MS07-1250-18
2-Fluorophenol	367-12-4	58.2	25.0-121		MS07-1250-18
Terphenyl-d14	1718-51-0	91.5	18.0-137		MS07-1250-18
Nitrobenzene-d5	4165-60-0	52.6	23.0-120		MS07-1250-18
Phenol-d6	13127-88-3	62.0	24.0-113		MS07-1250-18

¹Qualifier column where "*" denotes value outside the control limits or "D" denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.



**Quality Control Results
Method Blank**

Job Number: 13070054

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: Method Blank (AQ15343BRR1)
Lab Sample ID: PBLK-46

Collection Date: N/A
Sample Matrix: SOLID
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC10F-765-34	SW-846 8082 (PCB)	07/04/2013 19:19	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	22751	EPA 3545	07/03/2013 11:35	CAP	10.3 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC10F-765-34
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC10F-765-34
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC10F-765-34
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC10F-765-34
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC10F-765-34
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC10F-765-34
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC10F-765-34
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC10F-765-34

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	99.4	60.0-140		GC10F-765-34
Decachlorobiphenyl	2051-24-3	107	60.0-140		GC10F-765-34

¹Qualifier column where ^{*} denotes value outside the control limits or ^D denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



**Quality Control Results
Lab Control Sample (LCS)
Job Number: 13070054**

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: Lab Control Sample (AQ15343L)
Lab Sample ID: LCS-46

Collection Date: N/A
Sample Matrix: SOLID
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC10F-765-13	SW-846 8082 (PCB)	07/04/2013 10:31	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	22751	EPA 3545	07/03/2013 11:35	CAP	10.9 g	25.0 mL	NA

Analyte Spiked	CAS No.	Added (ug/g)	LCS (ug/g)	LCS % Rec.	Q ¹	Limits (%)
Aroclor 1254	11097-69-1	1.15	1.18	103		70.0-130

¹Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	102	60.0-140		GC10F-765-13
Decachlorobiphenyl	2051-24-3	107	60.0-140		GC10F-765-13

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



**Quality Control Results
Method Blank**

Job Number: 13070054

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: Method Blank (AQ15333B)
Lab Sample ID: PBW-14

Collection Date: N/A
Sample Matrix: WATER
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	ICP2-722-70	SW-846 6010B	07/08/2013 17:02	CJH	NA	NA	NA
Prep 1:	3786	EPA 3005A	07/05/2013 10:50	CYC	50.0 mL	50.0 mL	NA

Analyte	CAS No.	Result (mg/L)	PQL	Dilution Factor	Flags	File ID
Lead	7439-92-1	ND	0.00500	1.00	U	ICP2-722-70

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



**Quality Control Results
Lab Control Sample (LCS)**
Job Number: 13070054

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: Lab Control Sample (AQ15333L)
Lab Sample ID: LCS-14

Collection Date: N/A
Sample Matrix: WATER
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	ICP2-722-71	SW-846 6010B	07/08/2013 17:04	CJH	NA	NA	NA
Prep 1:	3786	EPA 3005A	07/05/2013 10:50	CYC	50.0 mL	50.0 mL	NA

Analyte Spiked	CAS No.	Added (mg/L)	LCS (mg/L)	LCS % Rec.	Q ¹	Limits (%)
Lead	7439-92-1	0.500	0.501	100		85.0-115

¹Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Subcontract Analysis



Experience is the solution

314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

July 10, 2013

Chelsea Farmer
Pace Analytical
2190 Technology Drive
Schenectady, NY 12308

Work Order No: 130709051

TEL: (518) 346-4592

FAX: (518) 381-6055

Project# : 13070054

RE:

Dear Chelsea Farmer:

Adirondack Environmental Services, Inc received 5 samples on 7/9/2013 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Tara Daniels
Laboratory Manager

ELAP#: 10709

Adirondack Environmental Services, Inc

CASE NARRATIVE

CLIENT: Pace Analytical

Date: 10-Jul-13

Project:

Lab Order: 130709051

Sample containers were not supplied by Adirondack Environmental Services.

Qualifiers:

ND - Not Detected at reporting limit

J - Analyte detected below quantitation limit

B - Analyte detected in Blank

X - Exceeds maximum contamination limit

H - Hold time exceeded

C - Details are above in Case Narrative

S - LCS Spike recovery outside acceptable limits

R - Duplication outside acceptable limits

T - Tentatively Identified Compound-Estimated

E -Above quantitation range-Estimated

M - Matrix Spike outside acceptable limits

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: 10-Jul-13

CLIENT: Pace Analytical
 Work Order: 130709051
 Reference: /
 PO#:

Client Sample ID: TMW-6
 Collection Date: 7/2/2013
 Lab Sample ID: 130709051-001
 Matrix: WATER

Project# : 13070054

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-(SW5030B PREP) SW8260B						Analyst: SJ
Chloromethane	< 10	10		µg/L	1	7/10/2013 2:08:00 PM
Bromomethane	< 10	10		µg/L	1	7/10/2013 2:08:00 PM
Vinyl chloride	< 10	10		µg/L	1	7/10/2013 2:08:00 PM
Chloroethane	< 10	10		µg/L	1	7/10/2013 2:08:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
Acetone	< 10	10	S	µg/L	1	7/10/2013 2:08:00 PM
Carbon disulfide	< 5.0	5.0	S	µg/L	1	7/10/2013 2:08:00 PM
1,1-Dichloroethene	< 5.0	5.0	S	µg/L	1	7/10/2013 2:08:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
Chloroform	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
2-Butanone	< 10	10		µg/L	1	7/10/2013 2:08:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
Benzene	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
Bromoform	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	7/10/2013 2:08:00 PM
2-Hexanone	< 10	10		µg/L	1	7/10/2013 2:08:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
Toluene	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
Styrene	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
Dichlorodifluoromethane	< 10	10		µg/L	1	7/10/2013 2:08:00 PM
Methyl Acetate	< 50	50		µg/L	1	7/10/2013 2:08:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5.0	5.0	S	µg/L	1	7/10/2013 2:08:00 PM
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM

Adirondack Environmental Services, Inc

Date: 10-Jul-13

CLIENT: Pace Analytical
 Work Order: 130709051
 Reference: /
 PO#:

Client Sample ID: TMW-6
 Collection Date: 7/2/2013
 Lab Sample ID: 130709051-001
 Matrix: WATER

Project# : 13070054

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-(SW5030B PREP) SW8260B						Analyst: SJ
Cyclohexane	< 10	10		µg/L	1	7/10/2013 2:08:00 PM
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
1,3-Dichlorobenzene	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
Isopropylbenzene	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	7/10/2013 2:08:00 PM
1,2,4-Trichlorobenzene	< 5.0	5.0		µg/L	1	7/10/2013 2:08:00 PM
Surr: 1,2-Dichloroethane-d4	113	72.5-138		%REC	1	7/10/2013 2:08:00 PM
Surr: 4-Bromofluorobenzene	98.9	68.4-129		%REC	1	7/10/2013 2:08:00 PM
Surr: Toluene-d8	90.5	69.1-127		%REC	1	7/10/2013 2:08:00 PM

Adirondack Environmental Services, Inc

Date: 10-Jul-13

CLIENT: Pace Analytical
 Work Order: 130709051
 Reference: /
 PO#:

Client Sample ID: TMW-7
 Collection Date: 7/2/2013
 Lab Sample ID: 130709051-002
 Matrix: WATER

Project# : 13070054

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-(SW5030B PREP) SW8260B						Analyst: SJ
Chloromethane	< 10	10		µg/L	1	7/10/2013 12:23:00 PM
Bromomethane	< 10	10		µg/L	1	7/10/2013 12:23:00 PM
Vinyl chloride	< 10	10		µg/L	1	7/10/2013 12:23:00 PM
Chloroethane	< 10	10		µg/L	1	7/10/2013 12:23:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
Acetone	< 10	10	S	µg/L	1	7/10/2013 12:23:00 PM
Carbon disulfide	< 5.0	5.0	S	µg/L	1	7/10/2013 12:23:00 PM
1,1-Dichloroethene	< 5.0	5.0	S	µg/L	1	7/10/2013 12:23:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
Chloroform	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
2-Butanone	< 10	10		µg/L	1	7/10/2013 12:23:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
Benzene	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
Bromoform	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	7/10/2013 12:23:00 PM
2-Hexanone	< 10	10		µg/L	1	7/10/2013 12:23:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
Toluene	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
Styrene	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
Dichlorodifluoromethane	< 10	10		µg/L	1	7/10/2013 12:23:00 PM
Methyl Acetate	< 50	50		µg/L	1	7/10/2013 12:23:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5.0	5.0	S	µg/L	1	7/10/2013 12:23:00 PM
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM

Adirondack Environmental Services, Inc

Date: 10-Jul-13

CLIENT: Pace Analytical
 Work Order: 130709051
 Reference: /
 PO#:

Client Sample ID: TMW-7
 Collection Date: 7/2/2013
 Lab Sample ID: 130709051-002
 Matrix: WATER

Project# : 13070054

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-(SW5030B PREP) SW8260B						Analyst: SJ
Cyclohexane	< 10	10		µg/L	1	7/10/2013 12:23:00 PM
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
1,3-Dichlorobenzene	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
Isopropylbenzene	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	7/10/2013 12:23:00 PM
1,2,4-Trichlorobenzene	< 5.0	5.0		µg/L	1	7/10/2013 12:23:00 PM
Surr: 1,2-Dichloroethane-d4	115	72.5-138		%REC	1	7/10/2013 12:23:00 PM
Surr: 4-Bromofluorobenzene	101	68.4-129		%REC	1	7/10/2013 12:23:00 PM
Surr: Toluene-d8	94.1	69.1-127		%REC	1	7/10/2013 12:23:00 PM

Adirondack Environmental Services, Inc

Date: 10-Jul-13

CLIENT: Pace Analytical
 Work Order: 130709051
 Reference: /
 PO#:

Client Sample ID: TMW-8
 Collection Date: 7/2/2013
 Lab Sample ID: 130709051-003
 Matrix: WATER

Project# : 13070054

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-(SW5030B PREP) SW8260B						Analyst: SJ
Chloromethane	< 10	10		µg/L	1	7/10/2013 12:45:00 PM
Bromomethane	< 10	10		µg/L	1	7/10/2013 12:45:00 PM
Vinyl chloride	< 10	10		µg/L	1	7/10/2013 12:45:00 PM
Chloroethane	< 10	10		µg/L	1	7/10/2013 12:45:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
Acetone	< 10	10	S	µg/L	1	7/10/2013 12:45:00 PM
Carbon disulfide	< 5.0	5.0	S	µg/L	1	7/10/2013 12:45:00 PM
1,1-Dichloroethene	< 5.0	5.0	S	µg/L	1	7/10/2013 12:45:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
Chloroform	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
2-Butanone	< 10	10		µg/L	1	7/10/2013 12:45:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
Benzene	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
Bromoform	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	7/10/2013 12:45:00 PM
2-Hexanone	< 10	10		µg/L	1	7/10/2013 12:45:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
Toluene	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
Styrene	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
Dichlorodifluoromethane	< 10	10		µg/L	1	7/10/2013 12:45:00 PM
Methyl Acetate	< 50	50		µg/L	1	7/10/2013 12:45:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5.0	5.0	S	µg/L	1	7/10/2013 12:45:00 PM
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM

Adirondack Environmental Services, Inc

Date: 10-Jul-13

CLIENT: Pace Analytical
 Work Order: 130709051
 Reference: /
 PO#:

Client Sample ID: TMW-8
 Collection Date: 7/2/2013
 Lab Sample ID: 130709051-003
 Matrix: WATER

Project# : 13070054

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-(SW5030B PREP) SW8260B						Analyst: SJ
Cyclohexane	< 10	10		µg/L	1	7/10/2013 12:45:00 PM
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
1,3-Dichlorobenzene	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
Isopropylbenzene	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	7/10/2013 12:45:00 PM
1,2,4-Trichlorobenzene	< 5.0	5.0		µg/L	1	7/10/2013 12:45:00 PM
Surr: 1,2-Dichloroethane-d4	111	72.5-138		%REC	1	7/10/2013 12:45:00 PM
Surr: 4-Bromofluorobenzene	99.6	68.4-129		%REC	1	7/10/2013 12:45:00 PM
Surr: Toluene-d8	92.1	69.1-127		%REC	1	7/10/2013 12:45:00 PM

Adirondack Environmental Services, Inc

Date: 10-Jul-13

CLIENT: Pace Analytical
 Work Order: 130709051
 Reference: /
 PO#:

Client Sample ID: Outside OWS
 Collection Date: 7/2/2013
 Lab Sample ID: 130709051-004
 Matrix: WATER

Project# : 13070054

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-(SW5030B PREP) SW8260B						Analyst: SJ
Chloromethane	< 10000	10000		µg/L	1000	7/10/2013 2:51:00 PM
Bromomethane	< 10000	10000		µg/L	1000	7/10/2013 2:51:00 PM
Vinyl chloride	< 10000	10000		µg/L	1000	7/10/2013 2:51:00 PM
Chloroethane	< 10000	10000		µg/L	1000	7/10/2013 2:51:00 PM
Methylene chloride	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
Acetone	110000	10000	S	µg/L	1000	7/10/2013 2:51:00 PM
Carbon disulfide	< 5000	5000	S	µg/L	1000	7/10/2013 2:51:00 PM
1,1-Dichloroethene	< 5000	5000	S	µg/L	1000	7/10/2013 2:51:00 PM
1,1-Dichloroethane	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
trans-1,2-Dichloroethene	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
cis-1,2-Dichloroethene	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
Chloroform	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
1,2-Dichloroethane	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
2-Butanone	< 10000	10000		µg/L	1000	7/10/2013 2:51:00 PM
1,1,1-Trichloroethane	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
Carbon tetrachloride	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
Bromodichloromethane	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
1,2-Dichloropropane	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
cis-1,3-Dichloropropene	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
Trichloroethene	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
Dibromochloromethane	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
1,1,2-Trichloroethane	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
Benzene	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
trans-1,3-Dichloropropene	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
Bromoform	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
4-Methyl-2-pentanone	< 10000	10000		µg/L	1000	7/10/2013 2:51:00 PM
2-Hexanone	< 10000	10000		µg/L	1000	7/10/2013 2:51:00 PM
Tetrachloroethene	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
1,1,2,2-Tetrachloroethane	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
Toluene	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
Chlorobenzene	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
Ethylbenzene	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
Styrene	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
m,p-Xylene	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
o-Xylene	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
Methyl tert-butyl ether	49000	5000		µg/L	1000	7/10/2013 2:51:00 PM
Dichlorodifluoromethane	< 10000	10000		µg/L	1000	7/10/2013 2:51:00 PM
Methyl Acetate	< 50000	50000		µg/L	1000	7/10/2013 2:51:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5000	5000	S	µg/L	1000	7/10/2013 2:51:00 PM
Trichlorofluoromethane	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM

Adirondack Environmental Services, Inc

Date: 10-Jul-13

CLIENT: Pace Analytical
 Work Order: 130709051
 Reference: /
 PO#:

Client Sample ID: Outside OWS
 Collection Date: 7/2/2013
 Lab Sample ID: 130709051-004
 Matrix: WATER

Project# : 13070054

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-(SW5030B PREP) SW8260B						Analyst: SJ
Cyclohexane	< 10000	10000		µg/L	1000	7/10/2013 2:51:00 PM
Methyl Cyclohexane	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
1,2-Dibromoethane	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
1,3-Dichlorobenzene	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
Isopropylbenzene	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
1,2-Dichlorobenzene	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
1,4-Dichlorobenzene	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
1,2-Dibromo-3-chloropropane	< 10000	10000		µg/L	1000	7/10/2013 2:51:00 PM
1,2,4-Trichlorobenzene	< 5000	5000		µg/L	1000	7/10/2013 2:51:00 PM
Surr: 1,2-Dichloroethane-d4	111	72.5-138		%REC	1000	7/10/2013 2:51:00 PM
Surr: 4-Bromofluorobenzene	96.6	68.4-129		%REC	1000	7/10/2013 2:51:00 PM
Surr: Toluene-d8	93.4	69.1-127		%REC	1000	7/10/2013 2:51:00 PM

Adirondack Environmental Services, Inc

Date: 10-Jul-13

CLIENT: Pace Analytical
 Work Order: 130709051
 Reference: /
 PO#:

Client Sample ID: Inside OWS
 Collection Date: 7/2/2013
 Lab Sample ID: 130709051-005
 Matrix: WATER

Project# : 13070054

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-(SW5030B PREP) SW8260B						Analyst: SJ
Chloromethane	< 10	10		µg/L	1	7/10/2013 2:30:00 PM
Bromomethane	< 10	10		µg/L	1	7/10/2013 2:30:00 PM
Vinyl chloride	< 10	10		µg/L	1	7/10/2013 2:30:00 PM
Chloroethane	< 10	10		µg/L	1	7/10/2013 2:30:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
Acetone	< 10	10	S	µg/L	1	7/10/2013 2:30:00 PM
Carbon disulfide	< 5.0	5.0	S	µg/L	1	7/10/2013 2:30:00 PM
1,1-Dichloroethene	< 5.0	5.0	S	µg/L	1	7/10/2013 2:30:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
Chloroform	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
2-Butanone	< 10	10		µg/L	1	7/10/2013 2:30:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
Benzene	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
Bromoform	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	7/10/2013 2:30:00 PM
2-Hexanone	< 10	10		µg/L	1	7/10/2013 2:30:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
Toluene	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
Styrene	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
Dichlorodifluoromethane	< 10	10		µg/L	1	7/10/2013 2:30:00 PM
Methyl Acetate	< 50	50		µg/L	1	7/10/2013 2:30:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5.0	5.0	S	µg/L	1	7/10/2013 2:30:00 PM
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM

Adirondack Environmental Services, Inc

Date: 10-Jul-13

CLIENT: Pace Analytical

Client Sample ID: Inside OWS

Work Order: 130709051

Collection Date: 7/2/2013

Reference: /

Lab Sample ID: 130709051-005

PO#:

Matrix: WATER

Project# : 13070054

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-(SW5030B PREP) SW8260B						Analyst: SJ
Cyclohexane	< 10	10		µg/L	1	7/10/2013 2:30:00 PM
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
1,3-Dichlorobenzene	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
Isopropylbenzene	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	7/10/2013 2:30:00 PM
1,2,4-Trichlorobenzene	< 5.0	5.0		µg/L	1	7/10/2013 2:30:00 PM
Surr: 1,2-Dichloroethane-d4	114	72.5-138		%REC	1	7/10/2013 2:30:00 PM
Surr: 4-Bromofluorobenzene	131	68.4-129	S	%REC	1	7/10/2013 2:30:00 PM
Surr: Toluene-d8	92.5	69.1-127		%REC	1	7/10/2013 2:30:00 PM

13070054

CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

Pace Analytical Services, Inc.

2190 Technology Drive, Schenectady, NY 12308
 Telephone (518) 346-4592 Fax (518) 381-6055
 www.pacelabs.com

LRF # 13070054
 (LAB USE ONLY)

DISPOSAL REQUIREMENTS: (To be filled in by Client)

- RETURN TO CLIENT
- DISPOSAL BY RECEIVING LAB
- ARCHIVAL BY RECEIVING LAB

Additional charges incurred for disposal (if hazardous) or archival.
 Call for details.

CLIENT (REPORTS TO BE SENT TO): PACE				PROJECT#/PROJECT NAME: 13070054				ENTER ANALYSIS AND METHOD NUMBER REQUESTED											
PROJECT MANAGER: Chelsea Farmer				LOCATION (CITY/STATE) ADDRESS: NY				PRESERVATIVE CODE:			PRESERVATIVE KEY								
SAMPLED BY: (Please Print)				REQUIRED TURN AROUND TIME: 7/10/2013				BOTTLE TYPE:			BOTTLE SIZE:			0 - ICE 1 - HCL 2 - HNO3 3 - H2SO4 4 - NaOH 5 - Zn. Acetate 6 - MeOH 7 - NaHSO4 8 - Other (Na2SO3)					
SAMPLING FIRM:				NAME OF COURIER (IF USED):				NUMBER OF CONTAINERS <i>8260</i>											
ELECTRONIC RESULTS FAXED RESULTS		CHELSEAF@NEALAB.COM		LAB SAMPLE ID (LAB USE ONLY)															
SAMPLE ID		DATE	TIME	MATRIX	GRAB/COMP	SAMPLE ID													
TMW-6		7/2/13	10:45	L	GRAB	AQ15332		3	X										
TMW-6		7/2/13	10:50	L	COMP	AQ15333		0											
TMW-7		7/2/13	11:35	L	GRAB	AQ15334		3	X										
TMW-7		7/2/13	11:40	L	COMP	AQ15335		0											
TMW-8		7/2/13	12:15	L	GRAB	AQ15336		3	X										
TMW-8		7/2/13	12:20	L	COMP	AQ15337		0											
OUTSIDE OWS		7/2/13	14:35	L	GRAB	AQ15338		3	X										
OUTSIDE OWS		7/2/13	14:40	L	COMP	AQ15339		0											
INSIDE OWS		7/2/13	14:55	L	GRAB	AQ15340		3	X										
INSIDE OWS		7/2/13	15:00	L	COMP	AQ15341		0											
AMBIENT OR CHILLED:		TEMP: <i>40c</i>		COC TAPE: Y N		PROPERLY PRESERVED: Y N		OTHER NOTES:											
RECEIVED BROKEN OR LEAKING: Y N		COC DISCREPANCIES: Y N		RECVD W/I HOLDING TIMES: Y N															
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY									
SIGNATURE <i>[Signature]</i>		SIGNATURE <i>[Signature]</i>		SIGNATURE <i>[Signature]</i>		SIGNATURE <i>[Signature]</i>		SIGNATURE		SIGNATURE									
PRINTED NAME <i>Laura Swartz</i>		PRINTED NAME <i>M. Capovola</i>		PRINTED NAME <i>M. Capovola</i>		PRINTED NAME <i>J. Mihalak</i>		PRINTED NAME		PRINTED NAME									
COMPANY <i>PACE</i>		COMPANY <i>Pace</i>		COMPANY <i>Pace</i>		COMPANY <i>AES</i>		COMPANY		COMPANY									
DATE/TIME <i>7/9/13 1455</i>		DATE/TIME <i>7/9/13 1455</i>		DATE/TIME <i>7/9/13 1630</i>		DATE/TIME <i>7/9/13 4:25 PM</i>		DATE/TIME		DATE/TIME									

Sample containers were not supplied by AES Jm. 7/9/13

S:\LOGIN\MDLCOCS



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314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

- (a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.**'s performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.
- (b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.
- (c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.
- (d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.
- (e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**
- (f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.
- (g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.



Pace Analytical e-Report

Report prepared for:
PROFESSIONAL SERVICE INDUSTRIES
104 ERIE BOULEVARD
SCHENECTADY, NY 12305
CONTACT: PAUL MISIASZEK

Project ID: 0836484-1 HUDSON PSYCH
Sampling Date(s): July 02, 2013
Lab Report ID: 13070245
Client Service Contact: Chelsea Farmer (518) 346-4592

Analysis Included:
Lead (Dissolved) by ICP

Test results meet all National Environmental Laboratory Accreditation Conference (NELAC) requirements unless noted in the case narrative. The results contained within this document relate only to the samples included in this report. Pace Analytical is responsible only for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

A handwritten signature in black ink that reads "Dan Pflzer".

Dan Pflzer
Laboratory Director



Certifications: New York (EPA: NY00906, ELAP: 11078), New Jersey (NY026), Connecticut (PH-0337), Massachusetts (M-NY906), Virginia (1884)

Pace Analytical Services, Inc. | 2190 Technology Drive | Schenectady, NY 12308
Phone: 518.346.4592 | internet: www.pacelabs.com

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CASE NARRATIVE

July 12, 2013

CASE NARRATIVE

This data package (SDG ID: 13070245) consists of 2 water samples received on 07/02/2013. The samples are from Project Name: 0836484-1 HUDSON PSYCH.

This sample delivery group consists of the following samples:

<u>Lab Sample ID</u>	<u>Client ID</u>	<u>Collection Date</u>
AQ16703	TMW-6	07/02/2013 10:50
AQ16704	TMW-8	07/02/2013 12:20

Sample Delivery and Receipt Conditions

- (1.) All samples were delivered to the laboratory via DROP OFF delivery service on 07/02/2013.
- (2.) All samples were received at the laboratory intact and within holding times.
- (3.) The following cooler temperature was recorded at sample receipt (Control limits are between 0-6 Degrees Celsius): 2.0 degrees Celsius. Please see Chain of Custody for details. Control limits do not apply for metals analysis.
- (4.) At the client's request, samples (Original LAB ID: AQ15333 and AQ15337) were analyzed for Dissolved Lead by ICP.

Lead (Dissolved) Analysis by ICP

Analysis for Dissolved Lead was performed by EPA Method 6010B. The following technical and administrative items were noted for the analysis:

- (1.) All quality assurance parameters were met for the analysis.

Respectfully submitted,



Chelsea L. Farmer
Project Manager

QUALIFIERS

Organic Laboratory Qualifiers Defined

B - Denotes analyte observed in associated method blank or extraction blank. Analyte concentration should be considered as estimated.

D - Surrogate was diluted. The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria.

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be re-analyzed at secondary dilution due to insufficient sample amount, quick turn-around request, sample matrix interference or hold time excursion. Concentration result should be considered as estimated.

J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the Reporting Limit (RL).

P - Indicates relative percent difference (RPD) between primary and secondary gas chromatograph (GC) column analysis exceeds 40 % or indicates percent difference (PD) between primary and secondary gas chromatograph (GC) column analysis exceeds 25 %.

U - Denotes analyte not detected at concentration greater than or equal to the Reporting Limit (RL). Reporting Limit's (RL) are adjusted for sample weight/volume and dilution factors.

Z - Chromatographic interference due to polychlorinated biphenyl (PCB) co-elution.

* - Value not within control limits.

Inorganic Laboratory Qualifiers Defined

B - Denotes analyte observed in associated method blank or digestion blank. Analyte concentration should be considered as estimated.

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be re-analyzed at secondary dilution due to insufficient sample amount, quick turn-around request, sample matrix interference or hold time excursion. Concentration result should be considered as estimated.

J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the Reporting Limit (RL).

U - Denotes analyte not detected at concentration greater than or equal to the Reporting Limit (RL). Reporting Limit's (RL) are adjusted for sample weight/volume and dilution factors.

* - Value not within control limits.

SAMPLE CHAIN OF CUSTODY



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed **<13070245P1>**



130702451

Page: 1 of 3
 1590026

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: PST		Report To: David Myers@Psisusa.com		Attention: Paul M.	
Address: 104 Eric Blvd, Suite 1 Schenectady, NY		Copy To: Edward.Maloczniak@Psisusa.com		Company Name: SECT A	
Email To: Paul.M;graszk@Psisusa.com		Purchase Order No.: 0836-484-1		Address: SECT A	
Phone: 518-377-9841 Fax: 518-377-9847		Project Name: Hudson P Sych		Pace Quote Reference:	
Requested Due Date/TAT: RUSH 3-DAY		Project Number: 0836484-1		Pace Project Manager: Chelsea Farmer	
				Pace Profile #:	
REGULATORY AGENCY					
<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER _____					
Site Location				STATE: NY	

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (O=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓ Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.				
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol					Other			
					DATE	TIME	DATE	TIME																	
1	SAMPLE ID (A-Z, 0-9 / . -) Sample IDs MUST BE UNIQUE																								
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
Unpreserved Lead Samples ON HOLD!!!	Ed Maloczniak / PST	7/2/13	1800	J. Butty / PACE	7/2/13	18:00	Y	N	Y

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Ed Maloczniak					
SIGNATURE of SAMPLER: <i>[Signature]</i> DATE Signed (MM/DD/YY): 7/2/13					

ORIGINAL

*Important Note: By signing this form...

Metals - ICP



Analytical Sample Results

Job Number: 13070245

Pace Analytical Services, Inc.
 2190 Technology Drive
 Schenectady, NY 12308
 Phone: 518.346.4592
 Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: TMW-6
Lab Sample ID: 13070245-01 (AQ16703)

Collection Date: 07/02/2013 10:50
Sample Matrix: WATER(DISSOLVED)
Received Date: 07/02/2013 18:00
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	ICP2-730-20	SW-846 6010B	07/11/2013 17:39	CJH	NA	NA	NA
Prep 1:	3796	EPA 3005A	07/11/2013 10:00	CYC	50.0 mL	50.0 mL	NA

Analyte	CAS No.	Result (mg/L)	PQL	Dilution Factor	Flags	File ID
Lead	7439-92-1	ND	0.00500	1.00	U	ICP2-730-20

ND: Denotes analyte not detected at a concentration greater than the PQL.
 PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 13070245

Pace Analytical Services, Inc.
 2190 Technology Drive
 Schenectady, NY 12308
 Phone: 518.346.4592
 Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: TMW-8
Lab Sample ID: 13070245-02 (AQ16704)

Collection Date: 07/02/2013 12:20
Sample Matrix: WATER(DISSOLVED)
Received Date: 07/02/2013 18:00
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	ICP2-730-25	SW-846 6010B	07/11/2013 17:50	CJH	NA	NA	NA
Prep 1:	3796	EPA 3005A	07/11/2013 10:00	CYC	50.0 mL	50.0 mL	NA

Analyte	CAS No.	Result (mg/L)	PQL	Dilution Factor	Flags	File ID
Lead	7439-92-1	ND	0.00500	1.00	U	ICP2-730-25

ND: Denotes analyte not detected at a concentration greater than the PQL.
 PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Quality Control Samples (Field)



Quality Control Results
Matrix Spike Sample (MS)
Job Number: 13070245

Pace Analytical Services, Inc.
 2190 Technology Drive
 Schenectady, NY 12308
 Phone: 518.346.4592
 Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: TMW-6 MS
Lab Sample ID: 13070245-01M (AQ16703M)

Collection Date: N/A
Sample Matrix: WATER(DISSOLVED)
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	ICP2-730-22	SW-846 6010B	07/11/2013 17:44	CJH	NA	NA	NA
Prep 1:	3796	EPA 3005A	07/11/2013 10:00	CYC	50.0 mL	50.0 mL	NA

Analyte	CAS No.	Result (mg/L)	PQL	Dilution Factor	Flags	File ID
Lead	7439-92-1	0.503	0.00500	1.00		ICP2-730-22

Analyte Spiked	CAS No.	Sample (mg/L)	Added (mg/L)	MS (mg/L)	MS % Rec.	Q ¹	Limits (%)
Lead	7439-92-1		0.500	0.503	101		75.0-125

¹Qualifier column where "*" denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

ND: Denotes analyte not detected at a concentration greater than the PQL.
 PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Quality Control Results
Duplicate Sample
Job Number: 13070245

Pace Analytical Services, Inc.
 2190 Technology Drive
 Schenectady, NY 12308
 Phone: 518.346.4592
 Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: TMW-6 DUP
Lab Sample ID: 13070245-01D (AQ16703D)

Collection Date: N/A
Sample Matrix: WATER(DISSOLVED)
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	ICP2-730-21	SW-846 6010B	07/11/2013 17:41	CJH	NA	NA	NA
Prep 1:	3796	EPA 3005A	07/11/2013 10:00	CYC	50.0 mL	50.0 mL	NA

Analyte	CAS No.	Result (mg/L)	PQL	Dilution Factor	Flags	File ID
Lead	7439-92-1	ND	0.00500	1.00	U	ICP2-730-21

Analyte	CAS No.	Duplicate (mg/L)	Precision			
			Sample (mg/L)	RPD	Q ¹	Limits (%)
Lead	7439-92-1	ND	ND			20

¹Qualifier column where "*" denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

ND: Denotes analyte not detected at a concentration greater than the PQL.
 PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Quality Control Samples (Lab)



**Quality Control Results
Method Blank**

Job Number: 13070245

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: Method Blank (AQ16703B)
Lab Sample ID: PBW-21

Collection Date: N/A
Sample Matrix: DISSOLVED
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	ICP2-730-18	SW-846 6010B	07/11/2013 17:35	CJH	NA	NA	NA
Prep 1:	3796	EPA 3005A	07/11/2013 10:00	CYC	50.0 mL	50.0 mL	NA

Analyte	CAS No.	Result (mg/L)	PQL	Dilution Factor	Flags	File ID
Lead	7439-92-1	ND	0.00500	1.00	U	ICP2-730-18

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Quality Control Results
Lab Control Sample (LCS)
Job Number: 13070245

Pace Analytical Services, Inc.
 2190 Technology Drive
 Schenectady, NY 12308
 Phone: 518.346.4592
 Fax: 518.381.6055

Client: PROFESSIONAL SERVICE INDUSTRIES
Project: 0836484-1 HUDSON PSYCH
Client Sample ID: Lab Control Sample (AQ16703L)
Lab Sample ID: LCS-21

Collection Date: N/A
Sample Matrix: DISSOLVED
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	ICP2-730-19	SW-846 6010B	07/11/2013 17:37	CJH	NA	NA	NA
Prep 1:	3796	EPA 3005A	07/11/2013 10:00	CYC	50.0 mL	50.0 mL	NA

Analyte Spiked	CAS No.	Added (mg/L)	LCS (mg/L)	LCS % Rec.	Q ¹	Limits (%)
Lead	7439-92-1	0.500	0.528	106		85.0-115

¹Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

ND: Denotes analyte not detected at a concentration greater than the PQL.
 PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.