Periodic Review Report (PRR)

North Lawrence Oil Dump
McAuslen Road
North Lawrence
St. Lawrence County, NY 12967
Site ID # 645013
Work Assignment # D116130-21

Prepared for:
New York State Department of Environmental Conservation
Division of Environmental Remediation
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Report Submittal Date: March 4, 2012
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Project Address: McAuslen Road, North Lawrence, New York

I (we) certify that regarding the above referenced project and/or environmental assessment work:

Certification

For each instructional control identified for the site, I certify that all of the following statements are true;

(a) the intuitional control and/or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by DER;
(b) nothing has occurred that would impair the ability of such a control to protect public health and the environment;
(c) nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control; and
(d) access to the site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintains of this control.

Environmental Contractor: HRP Engineering, P.C.

By: 

Nancy Garry, P.E

EXECUTIVE SUMMARY

An inspection of the engineering control (ECs) and institutional controls (ICs) (i. e. fence and cap) was conducted from July 12, 2011 to July 13, 2011 by a qualified environmental professional experienced in landfill inspection.

The site ECs are in compliance with the requirements stated in the Site Management Plan (SMP).

ICs in the form of environmental deed restrictions cannot be certified because during the review period they were not obtained. Instead of environmental deed restrictions, environmental notices will be filed with the St. Lawrence County Clerk during 2012.

Groundwater monitoring at 20 locations was conducted on July 12 through 13, 2011. A trip blank and field duplicate sample were included for analysis. Aside from the fact that seven (7) monitoring wells/ piezometers were not located during the July 2011 sampling event, no monitoring deficiencies were noted. Analytical results for volatile organic compounds (VOCs) and metals were found at levels above groundwater quality standards. Semi-volatile organic compounds (SVOCs), pesticides and polychlorinated biphenyl **(**PCBs) did not exceed NYSDEC Class GA Criteria. Groundwater flow through the shallow site aquifer is to the southeast.

The disposal cell appears intact and is maintaining at least a 2-foot separation between the high seasonal groundwater and the bottom of the disposal cell. The wetlands plan that restored areas of the wetlands damaged during construction appears to be sufficient. The Long-Term Monitoring Plan (LTMP) is being implemented to conduct monitoring of the site in accordance with the SMP and The Record of Decision (ROD). No Operations, Monitoring and Maintenance (OM&M) deficiencies were reported during the reporting period. Analysis of organic and inorganic natural attenuation parameter data suggests that both biodegradation and a biotic degradation of parent VOCs are occurring at the Site. Analytical data collected during the July 2011 monitoring event supports the natural attenuation conclusions and the analytical results from the site show a stable, decreasing trend.

1.0 INTRODUCTION

This Periodic Review Report (PRR) has been prepared to evaluate the overall effectiveness of the remedies chosen, and their implementation at the North Lawrence Oil Dump (hereinafter referred to as the "Site" or NLOD). HRP Engineering P.C. (HRP) services the New York State Department of Environmental Conservation (NYSDEC) under Work Assignment D006130-21 of the Remediation Standby Contract. This document is required as an element of the remedial program at the Site located at McAuslen Road, North Lawrence, St. Lawrence County, New York, under the New York State (NYS) Inactive Hazardous Waste Disposal Site Remedial Program administered by NYSDEC. The Site was remediated in accordance with the signed Record of Decision (ROD), Site # 645013, which was executed on March 1993. This report is intended to meet the requirements of the Site's Operations, Monitoring and Maintenance (OM&M) Plan and Site Management Plan (SMP) (HRP Engineering, PC – February 24,

2012) as defined in Regulation 6 NYCRR 375-1.2 and in accordance with Technical Guidance for Site Investigation and Remediation (DER-10), dated May 2010.

Remediation effectiveness sampling and disposal cell monitoring was completed at the Site on July 12 and 13, 2011 in accordance with the Site's OM&M Plan to evaluate current groundwater conditions. Soil and groundwater cleanup criteria have been established for the site based on site conditions, NYSDEC 6 NYCRR Part 375 (December 2006), and NYSDEC Technical and Operational Guidance Series (TOGS) Ambient Water Quality Standards and Guidance Values, October 1993. Groundwater sampling is performed every five quarters (15 months) to monitor the effects of the remedy on groundwater contamination. The last groundwater monitoring event occurred in July 2011 and the next event will occur in October 2012.

2.0 SITE OVERVIEW

The Site is an inactive hazardous waste disposal site which consists primarily of a disposal cell. The 19.4± acre Site is a former non-regulated municipal dump and gravel pit. The Site is approximately 390 feet above sea level, with the higher terrain south of the Site. The former lagoon area, located north of the disposal cell, was approximately 600-feet long and 75-feet wide and is immediately adjacent to a NYSDEC regulated 150-acre wetlands. The Site occupies portions of two private properties.

The NLOD reportedly was operated as a gravel pit before the disposal of waste oil. The excavation operation apparently shaped the Site into a depression with a mounded perimeter. During the middle to late 1960s, the NLOD apparently was used for the disposal of waste oil and oil sludge. Evidence of oil deposits were observed on low of the perimeter berm at the southwestern end and on vegetation in adjacent wetland areas suggests the dump was operated as a lagoon. During periods of high water, free-floating oil escaped from the topographically low areas. Contaminants of concern detected in lagoon sludge and soil included PCBs, various volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs), and lead.

Generally, due to historic operations at the site the sampling conducted during the first, second, and third phases of the RI at the Site revealed the presence of contaminants in the soil, groundwater, lagoon sludge, and lagoon surface water. Contaminants of concern detected in lagoon sludge and soil include polychlorinated biphenyl (PCBs), various VOCs, SVOCs, and lead. Historically, groundwater contamination showed that migration of contaminants through groundwater is limited to the immediate lagoon area.

2.1 Site Description

This Site is located off of McAuslen Road in the Town of North Lawrence, St. Lawrence County, New York and is identified on the North Lawrence Tax Maps on two parcels 36.003 and 36.004. The Site is an approximately 19.4-acre area bound by woodlands and wetlands to the east, south and west, and McAuslen Road to the north (see Figure 1). The boundaries of the Site are more fully described in Appendix A - Metes and Bounds.

Topography is generally flat, sloping downward to the north and northwest with an approximate 1 percent grade. Wetlands occupy much of the surrounding landscape to the south and south-east. Drainage from the Site area is directly southwest by surface topography and enters a NYSDEC regulated 150-acre wetland south of the Site. Drainage is then directed northward via tributaries of Redwater Brook, which discharges to Deer River approximately 5 miles downstream of the Site. Groundwater is the primary source of drinking water in the area.

The Site remains unimproved with structures. A gated and locked, unpaved access road, oriented in a north-south direction, approximately 0.25 miles long exists connecting the Site to McAuslen Road. The area south of the disposal area, abutting the wetland area is maintained by the adjacent property owners. The surrounding area is undeveloped and characterized by stands of spruce, white pine, and mixed hardwoods. Two (2) houses are located approximately 0.8 and one-mile from the Site, respectively. The only known human uses of the site are hunting or infrequent trespassing.

2.2 Site History

In 1980, oil stains on vegetation 18-inches above the water in the southeastern end of the lagoon were observed by NYSDEC personnel and, upon analysis, elevated concentrations of polychlorinated biphenyls (PCBs) were detected in the lagoon sediment samples. Since 1980, numerous inspections of the Site have occurred. A New York State Superfund Phase 1 Study for the Site was completed in August 1985. The NYSDEC contracted E. C. Jordan Co. in October 1988 to complete a Phased Remedial Investigation and Feasibility Study (RI/FS) to determine the extent of Site contamination and to recommend an appropriate remedial action. The first and second RI/FS, generated in 1989 and 1991 respectively, included a geophysical investigation, installation of eight (8) piezometers (five [5] shallow and three [3] deep) and the installation of 16 overburden monitoring wells (five [5] paired wells and six [6] single shallow wells), completion of 41 test borings in the lagoon, air monitoring, in-situ hydraulic conductivity testing in the 16 monitoring wells, collection of air, groundwater, surface water, surface and subsurface soils sediment, and biota tissue samples for laboratory analysis.

The Final Remedial Investigation and Feasibility Study Reports were submitted in March 1993. The remedial investigation confirmed extensive contamination in the lagoon and wetlands, primarily with PCBs and lead. Based on the Feasibility Study, a Record of Decision (ROD) was issued in March 1993, which required on-site excavation of the lagoon and the adjacent impacted wetland areas and solidification/stabilization of the contaminants.

Between 1996 and 1997, excavation of the top 2 to 4 feet of soils in the lagoon contaminated with oil, PCBs, lead and volatile organic chemicals, and 12" of sediment from selected areas of the adjacent wetland contaminated with PCBs, mercury and lead occurred. The excavation of approximately 7,400 cubic yards of contaminated soil and sediment were excavated, solidified, and placed in the on-Site disposal cell under an impermeable cap. The disposal cell was constructed to maintain at least 2 to 3 feet separation between the high seasonal groundwater elevation and the bottom of the disposal cell. Remediation activities

were completed in 1997 and the Site was reclassified by the NYSDEC from class 2 to class 4 in 1998.

2.2.1 Previous Investigations

A Remedial Investigation (RI) was performed to characterize the nature and extent of contamination at the site. The results of the RI are described in detail in the following reports:

- Record of Decision - 1993;
- North Lawrence Oil Dump Site, Final Feasibility Study - March 1993, by EC Jordon Company;
- North Lawrence Oil Dump Site, Baseline Ecological and Public Health Risk Assessment - March 1993, by EC Jordon Company;
- Stabilization Treatability Study for NLOD sediment materials - 1992, by EC Jordon Company;
- Plan of Operations prepared by IEM Sealand dated August 1996;
- Construction Management Work Plan prepared by ABB Environmental services dated July 1996;
- NYSDEC Fact Sheet, December 1997, Remedial Work Completed; and
- Long Term Monitoring Plan (LTMP) prepared by Harding Lawson Associates dated August 1998.

The Baseline Ecological Risk Assessment, approved by NYSDEC in 1990, determined that lagoon sludge and soil would need to be remediated for PCB contamination. Since many contaminants within the lagoon are physically contaminated with PCBs, it was determined that removal or treatment of PCB-contaminated lagoon materials would address the cleanup of remaining contaminants in the lagoon.

The Long Term Monitoring Plan (LTMP), dated August 1998, identified tasks to monitor the long-term effectiveness of the remedial actions at the NLODS. Long-term monitoring of this site is assumed to extended for 30 years, or until 2028, and is to be conducted in accordance with the requirements of the SMP. The LTMP describes: (1) procedures, including visual inspection activities; the collection of groundwater samples; required analytical parameters and laboratory methods; the reporting requirements to be followed to monitor the long-term effectiveness of the remedial action; and (2) maintenance activities and corrective measures to be undertaken should monitoring data indicate they are necessary .

2.2.2 Record of Decision

Based on the RI/FS Reports completed for the site in 1993, the NYSDEC issued a Record of Decision (ROD) that required site remediation. Requirements listed in the ROD can be found in Section 1.4 (Summary of Remedial Actions) in the SMP.

As per the SMP, a Periodic Review Report (PRR) will be submitted to the NYSDEC every fifteen (15) months. The report will be submitted in accordance with the NYSDEC DER-10 and will be submitted within 45 days of the end of each certification period.

2.2.3 Disposal Cell Closure Activities

Disposal cell closure activities include; cover maintenance, erosion control, settlement and subsidence control maintenance, and maintenance of gas vents and post closure monitoring.

The vegetative cover on the disposal cell and abutting areas as well as the area around the access gate for the disposal cell and the main gate will be mowed at least once a year in late summer or fall to prevent the growth of deep rooted, woody species, and to encourage the development of good grass growth.

Erosion of the cover system, identified during Site inspections, shall be repaired as needed in a manner that provides a long-term solution to such damage. The activities required to repair erosive damage to the cover system will depend on the extent of erosion into the cover.

The grades and slopes of the disposal cell are expected to be sufficient to provide positive drainage slopes even after the anticipated subsidence. Should excessive post-closure settlement or damage to the cap as a result of settlement be identified during Site inspections, repair of the cap will be implemented as necessary to confirm that the cover system layers remain continuous, that a positive slope is maintained, and that ponding does not occur. Subsidence will typically occur gradually. Therefore, a semiannual or annual inspection frequency will be sufficient to identify settlement problems.

As part of the Post-Closure Site Inspection Checklist, explosive gas sampling will be performed every six months, concurrent with the disposal cell inspection or the groundwater sampling event. The sample location, method of detection, along with notes on the vent pipes condition will be recorded. A gas meter, a MR-505Sid Portable Gas Detector or similar type meter, was utilized to collect readings as to the levels, if present, or $\%O_2$ (oxygen), %LEL (lower explosive limit), and hydrogen sulfide. Olfactory observations were noted on the checklist and in the field book at that time. The gas vents will require maintenance consisting of inspection and possibly replacement of damaged vent riser pipe.

3.0 EVALUATION OF REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

3.1 Remedial Action Objectives

The Site contains contamination not removed during the previous remedial action. Engineering Controls have been incorporated into the Site remedy to control exposure to remaining contamination during the use of the Site to ensure protection of public health

and the environment. An Environmental Deed Restriction was being pursued by the NYSDEC in 2011. During the reporting period it was not obtained."

The SMP provides a detailed description of all procedures required to manage remaining contamination at the Site after completion of the remedial action, including: (1) implementation and management of all Engineering and Institutional Controls; (2) media monitoring; (3) performance of periodic inspections, certification of results, and submittal of this Periodic Review Reports; and (4) defining criteria for termination of oversight operations.

3.2 Institutional and Engineering Control Plan Compliance

The EC/IC plan describes the procedures for the implementation and management of all EC/ICs at the Site. The plan is described in the February 2012 SMP and is subject to revision by NYSDEC. Please refer to the SMP for a full description of the EC/IC control plan compliance.

3.2.1 Description of Institutional Control

A series of Institutional Controls (IC) is required by the ROD to: (1) implement, maintain and monitor Engineering Control systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) restrict the use and development of the Site. Adherence to these Institutional controls on the Site is required. during the reporting period, the documents describing these controls were still being developed

3.2.2 Description of Engineering Control

The engineering control (EC) at the site consists of a soil cover system placed over the Site to prevent exposure to remaining contamination in soil/fill and fencing/access control at the Site. This cover system is comprised of a vegetative, low-permeability cap constructed over the treated material to minimize the effects of rain and snow melt on the treated material and to reduce leachate formation The cap consists of a 6-inch vegetative soil layer overlying 30 inches of barrier protection made of soils, a polyethylene liner, a geotextile fabric and a 12-inch gas venting layer. Procedures for the inspection and maintenance of this cover are provided in the SMP.

The NYSDEC is working to obtain environmental notices to be attached to the site’s real estate parcels. Deed Restrictions were not successfully obtained in 2011. Completion and implementation of environmental notices is expected in 2012. Once obtained, the notices will be included in the SMP."

3.2.3 Institutional and Engineering Control Plan Compliance Status

The site remedy does not rely on any mechanical systems, such as sub-slab depressurization systems or air sparge/soil vapor extraction systems, to protect public health and the environment. Therefore, the engineering control plan compliance status of such components is not included in this PRR.

Current certification that the site ECs are in compliance with the requirements stated above. However, certification of the ICs cannot be completed because of the following deficiencies:

- The Environmental Notices is pending.
- However, certification of the ICs cannot be completed because the institutional controls are still being developed."

An inspection of the ICs/ECs currently present at the Site was conducted on July 12, 2011. During the inspection, no deficiencies were observed. An Instructional and Engineering Certifications Form is provided in Appendix B.

Also, as part of the site groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards to have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic as a level that is not acceptable to the NYSDEC, additional source material removal, treatment and to control measures will be evaluated.

3.3 Soil Management Plan Compliance

Soil Management Plan compliance is included in the institutional controls in the form of Site restrictions. Site restrictions prohibit the use of the soil underlying the property. Refer to Section 2.1.3., Landfill Closure Activities of the SMP, for additional information.

Adherence to these institutional controls is required by the pending Environmental Deed restriction, which will be included in the SMP upon issuance. There is not a deed restriction in place as of April 2012; however deed restriction approval is expected in 2012.

3.3.1 Excavation Work Plan

The pending deed restriction will restrict excavation activities at the Site to NYSDEC approved excavations only. Any future intrusive work that will penetrate the soil cover or cap, or encounter or disturb the remaining contamination, including any modifications or repairs to the existing cover system will be performed in compliance with the Excavation Work Plan (EWP), found in Appendix A of the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan (HASP) and Community Air Monitoring Plan (CAMP) prepared for the Site. A HASP is included as Appendix C of the SMP that is in current

compliance with Technical Guidance for Site Investigation and Remediation (DER-10), dated May 2010, and 29 CFR 1910, 29 CFR 1926.

3.3.2 Description of Groundwater Use On-Site

Site restrictions prohibit the use of the groundwater underlying the property. Refer to Section 3.2.1, Description of Institutional Control, for additional information. Human exposure to groundwater or soil is not expected at this site.

3.4 Site Monitoring Plan Compliance

Components of the PRR for the disposal cell are:

- Visual inspection of the disposal cell and surrounding fenced in areas;
- Visual inspection of the wetlands;
- Groundwater sampling and analysis;
- Gas monitoring;
- Data evaluation; and
- Report preparation.

3.4.1 Description of Site Inspections

3.4.1.1 Disposal Cell Monitoring

This subsection presents the PRR site inspection checklists for the disposal cell monitoring. The purposes of the PRR is to monitor the performance of the disposal cell cover and appurtenances to confirm they perform as designed and that maintenance issues are identified and responded to appropriately.

On July 13, 2011, a qualified environmental professional experienced in landfill inspection completed the Post-Closure Site Inspection. The completed Post-Closure Site Inspection Checklist is attached in Appendix C. The observations were writing in quantitatively as practical and photographs were taken as a supplement if deemed appropriate by the inspector. During the disposal cell inspection, erosion channels, depressions, seeps, or animal burrows were not noted. Vegetative stress or rooted species of vegetation were not noted, and the vegetation was healthy. Explosive gas was monitored for utilizing a MR-505Sid Portable Gas Detector or similar meter. The levels were found to be in compliance for %LEL (lower explosive limit), with all four %LEL readings being 0.0 ppm. Of note, $\%O_2$ (oxygen) and hydrogen sulfide were not monitored on July 13, 2011. Ponding water or leachate was not observed during the July 2011 sample event. Sheen was not observed in the wetlands area and the vegetation was noted to be healthy. Additionally, the condition of the security fence, posts, gates, and locks were observed to be in working, the warning signs and sign posted at the front gate were noted to be legible.

The condition of groundwater monitoring wells and gas vents were assessed during the sampling rounds. Monitoring well identification labels were relabeled, and the general condition of the well and protective casing was noted to be satisfactory. The condition of the gas vents was noted to be satisfactory. No additional potential causes of any damage were noted and repair and preventative measures were not recommended based on the July 13, 2011 observations.

3.4.2 Performance and Effectiveness Monitoring

3.4.2.1 Leachate Sampling and Analysis

Leachate sampling and analysis are not performed at the Site.

3.4.2.2 Tracking of Leachate Removal and Disposal

Tracking of leachate removal and disposal are not performed at the Site. .

3.4.2.3 Water Level Monitoring

The network of monitoring wells has been installed to monitor both up-gradient and down-gradient groundwater conditions at the Site (Figure 2). Groundwater monitoring will be performed every 15 months (January 2011 through March 2012) to assess the performance of the remedy and in compliance with the SMP and DER-10. The next groundwater sampling event will occur in October 2012.

Twenty-seven (27) on-site permanent overburden groundwater monitoring wells are associated with the Site. Eight (8) Geoprobe® points (PZ-l through PZ-8) were installed in March 1989. Twelve (12) monitoring wells (MW-101A, MW-101B, MW-102A, MW-102B, MW-103, MW-104A, MW-104B, MW-105A, MW-105B, MW-106, MW-107A, and MW-107B) were installed in March and April 1989. In November 1991, four (4) additional monitoring wells (MW-201 through MW-204) were installed offsite to assess the extent of potential contaminate migration toward the wetland downgradient of the former lagoon. In July 1997, three (3) monitoring wells (MW-301 through MW-303) were installed upgradient, sidegradient, and downgradient of the disposal cell to complete the horizontal profile of the disposal cell area.

All monitoring well sampling activities was recorded in a field book and in a groundwater-sampling log presented in Appendix D. Other observations (e.g., well integrity, etc.) will be noted on the well sampling log. The well sampling log will serve as the inspection form for the groundwater monitoring well network.

Groundwater sampling was performed during regular sampling activities. Prior to collecting the samples, depth to groundwater will be measured. Depth to water measurements will be collected to the nearest 0.01 foot from the surveyed points identified on the well risers. Water levels were measured using an interface probe

capable of detecting a separate phase liquid. Until deemed unnecessary, in addition to measuring the water level, the wells will be checked for both light and dense non-aqueous phase liquids (LNAPLs and DNAPLs) using the interface probe.
The water level data, well diameter, and depth were used to calculate the volume of water in each well. The wells were then sampled following USEPA low-flow techniques. Groundwater will be monitored in the field for the presence of non-aqueous phase liquids, pH, temperature, conductivity, dissolved oxygen, turbidity, and oxidation-reduction potential. The field data will be recorded on field logs. Purge water was discharged adjacent to each well of origin for the water to return to the shallow aquifer of origin. All sampling equipment was appropriately decontaminated between sampling locations or properly disposed.

3.4.2.4 Groundwater Sampling and Analysis

Twenty (20) groundwater samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), TAL RCRA Metals, Pesticides, and PCBs. A summary of the samples to be collected and their respective analysis is presented in the QAPP, found in the SMP. All samples were sent to an ELAP certified laboratory. Samples were collected from all groundwater wells currently onsite to verify that groundwater meets class criteria prior to properly abandoning several of the historically non-contaminated groundwater monitoring wells.

Groundwater monitoring was conducted on July 12 through 13, 2011 to satisfy the sampling frequency requirement as defined in the Site Management Plan. Annual groundwater monitoring consists of the sampling of the five (5) existing monitoring wells (MW-102A, MW-102B, and MW-301 through MW-303). Additionally, groundwater sampling analyzed for VOCs by Method 624 was conducted at monitoring wells (PZ-l, PZ-4 through PZ-8, MW-103, MW-104A, MW-104B, MW-105A, MW-105B, MW-106, MW-107A, and MW-107B, and MW-203) in support of the proper abandonment of these monitoring wells. Monitoring wells PW-2, PZ-3, MW-101A, MW-101B, MW-201, MW-202, and MW-204 were not located during the July 2011 sampling event.

3.4.2.5 Surface Water Sampling and Analysis

Surface water sampling and analysis are not preformed at NLOD.

3.5 Summary of Groundwater Monitoring

Groundwater monitoring was conducted on July 12 and 13, 2011, for the monitoring period of January 2011 through March 2012, and included the collection of twenty (20) groundwater samples from monitoring wells PZ-l, PZ-4 through PZ-8, MW-102A, MW-102B, MW-103, MW-104A, MW-104B, MW-105A, MW-105B, MW-106, MW-107A, MW-107B, MW-203, and MW-301 through MW-303. Prior to collecting the samples, depth to groundwater was measured from the notched point on the top of casing

of each monitoring well. The water level data, well diameter and depth were used to calculate the volume of water in each well. The wells were purged of at least three (3) well volumes and sampled following USEPA low-flow techniques, after the well was recharged to 90 percent of original depth to groundwater.

A field duplicate was collected from MW-301. A trip blank was also submitted to the laboratory. All groundwater samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260B. Groundwater samples were compared to NYSDEC's Division of Water Technical and Operations Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Water Class GA.

Table 1 through Table 4 (following text) provides a summary of the groundwater sample analytical results for the July 2011 event. Depth to groundwater was measured at the time of sample collection. Laboratory analytical data can be found in Appendix E.

Groundwater flow was determined to be to the south in the unconsolidated saturated zone. Groundwater flow direction is consistent with previous flow direction measurements.

Results for Groundwater Monitoring

As shown in Table 1 and Table 4, VOCs and metals, respectively, were found at levels above groundwater quality standards. Groundwater samples collected from monitoring wells returned results above NYSDEC standards for several VOCs tested. Cis-1,2-Dichloroethene was detected in PZ-6 (20 ug/L), PZ-8 (50 J ug/L), MW-104B (42 ug/L), MW-107A (50 ug/L), and MW-301 (15 ug/L). Methylene chloride was detected in PZ-4 (12 ug/L), tetrachloroethene was detected in PZ-6 (9.5 ug/L) and in MW-104B (34 ug/L). Trichloroethene was detected in PZ-6 (5.6 ug/L) and in MW-104B (86 ug/L).

Groundwater samples collected from the monitoring wells returned results above NYSDEC standards for several metals tested. Total aluminum and manganese were detected above NYSDEC Class GA criteria in MW-302 (111 micrograms per liter [ug/L] and 653 g/L), respectively. Barium was detected above standards at several of the monitoring well sampled [MW-102A (121 ug/L), MW-301 (525 ug/L), MW-302 (615 ug/L), and MW-303 (193 ug/L)]. Iron was detected above standards at several of the monitoring well sampled [MW-102A (1,300 ug/L), MW-102B (811 ug/L), MW-301 (1,380 ug/L), and MW-302 (4,070 ug/L). Of note, SVOCs, pesticides and PCBs did not exceed NYSDEC Class GA Criteria.

Monitoring Deficiencies

No monitoring deficiencies were noted. However, the following should be noted:

- Monitoring wells PW-2, PZ-3, MW-101A, MW-101B, MW-201, MW-202, and MW-204 were not located during the July 2011 sampling event.

- $\%O_2$ (oxygen) and hydrogen sulfide were not monitored in July 2011.

4.0 COST EVALUATION

Sampling costs, including all technician time, disposal cell inspection and monitoring costs, laboratory costs, and Periodic Review Report preparation are expected to be approximately $4,800.00 per event (every fifteen months). Disposal cell inspection will occur twice a year, once concurrently with the sampling event and in the opposite half of the year at a cost of approximately $1,100 an event. Two (2) mowing events will occur each fiscal year. The mowing events have historically been completed by the local NYSDEC office at an unknown cost. Based on the sampling events scheduled every 15 months, every fourth fiscal year, starting in 2014, will not have to budget sampling costs, just mowing and disposal cell inspection costs.

The total spent to date as of April 2012 under HRP's Work Assignment is $63,281. In 2012, monitoring well abandonment will cost $2,453, and is approved under HRP's Work Assignment Number D006130-21. Disposal cell maintenance and road maintenance may also be required in the future at an unevaluated cost.

5.0 FINDINGS, CONCLUSIONS AND RECOMMENDATIONS

5.1 Findings

Based on HRP's July 12 and 13, 2011 site inspection and groundwater monitoring event previously described in the NYSDEC January 25, 2005 Monitoring Plan and the February 2012 Site Management Plan (SMP). The disposal cell appears intact and is maintaining at least a 2-foot separation between the high seasonal groundwater and the bottom of the disposal cell. The wetlands plan that restored areas of the wetlands damaged during construction appears to be sufficient. The long-term monitoring plan is being implemented to conduct monitoring of the site in accordance with the SMP and The Record of Decision (ROD). No O&M deficiencies were reported during the reporting period.

Analysis of organic and inorganic natural attenuation parameter data suggests that both biodegradation and a biotic degradation of parent VOCs is occurring at the Site. Analytical data collected during the July 2011 monitoring event supports the natural attenuation conclusions and the analytical results on site shows a stable, decreasing trend.

5.2 Conclusions

Based on historical data and the results of the July 2011 groundwater sampling event, HRP makes the following conclusions regarding the groundwater quality at the North Lawrence Oil Dump in Lawrence, New York:

- Groundwater flow through the shallow Site aquifer is to the south-southeast. Groundwater elevations, estimated flow gradients and linear velocities are consistent with historic determinations;

- The most recent organic and inorganic data from the groundwater and surface water samples indicate that VOCs are continuing to degrade under natural conditions present at the Site. During the current monitoring event, four (4) VOCs (cis-1,2-Dichloroethene, methylene chloride, o-Xylene, and trichloroethene) were detected in groundwater at concentrations above their respective NYSDEC Class GA Criteria in eight (8) monitoring wells. Four (4) metals (total aluminum, barium, iron, and manganese) were detected in groundwater at concentrations above their respective NYSDEC Class GA Criteria in five (5) monitoring wells. VOC impacts were comparable to past historical sampling events;

- After the remedy was implemented, Site groundwater quality improved and there are now favorable conditions for natural degradation; the contaminant source affecting soil and groundwater has been removed; soil and groundwater impact has been delineated on-site through past activities discussed in the SMP; no private or public supply wells exist hydraulically downgradient of the Site within an approximate 0.8 mile distance; and with respect to public health, exposures now or in the future are unlikely to occur.;

- The source of soil and groundwater impact has been removed;

- Soil and groundwater impact has been delineated on-site;

- No private or public supply wells exist hydraulically downgradient of the Site within an approximate 0.8 mile area; and

- Unacceptable exposure to public health now or in the future is unlikely.

5.3 Recommendations

The July 11 and 12, 2011 groundwater sampling confirms the results of the historical groundwater sampling at the site. Target contaminants of previous sampling events indicate residual contamination. An overall decreasing trend in VOC target compound concentrations is observed at the Site due to the previously mentioned remedial efforts as well as presumed, ongoing natural attenuation and other processes.

Based on our review of historic soil and groundwater analytical data, as well as the July 2011 groundwater analytical data, rebounding of volatile organics in groundwater is not evident. In addition, based on our review of analytical data from groundwater monitoring events from 2005 to 2011, an overall decreasing trend in VOC targets compounds concentrations is observed at the Site due to the previously mentioned remedial efforts, as well as presumed, ongoing natural attenuation.

No adverse groundwater impacts were noted in the results of the 2011 groundwater sampling event and detected groundwater analytes were consistent or less than analytical results from groundwater sampling collected during previous groundwater sampling events. As such, we are recommending continuing with the current approved sampling schedule of monitoring wells. Conditions at the Site remain fully protective of public health and the environment.

Additionally, twenty (20) groundwater monitoring wells (PZ-l, PZ-4 through PZ-8, MW-103, MW-104A, MW-104B, MW-105A, MW-105B, MW-106, MW-107A, and MW-107B, and MW-203) will be properly decommissioned (as per Monitoring Plan), if an event renders the wells unusable, in accordance with DER CP-43. The NYSDEC will be notified prior to decommissioning of monitoring wells, and decommissioning and replacement without replacement will be done only with the prior approval of the NYSDEC. Well abandonment will be performed in accordance with NYSDEC's "Groundwater Monitoring Well Decommissioning Procedures."

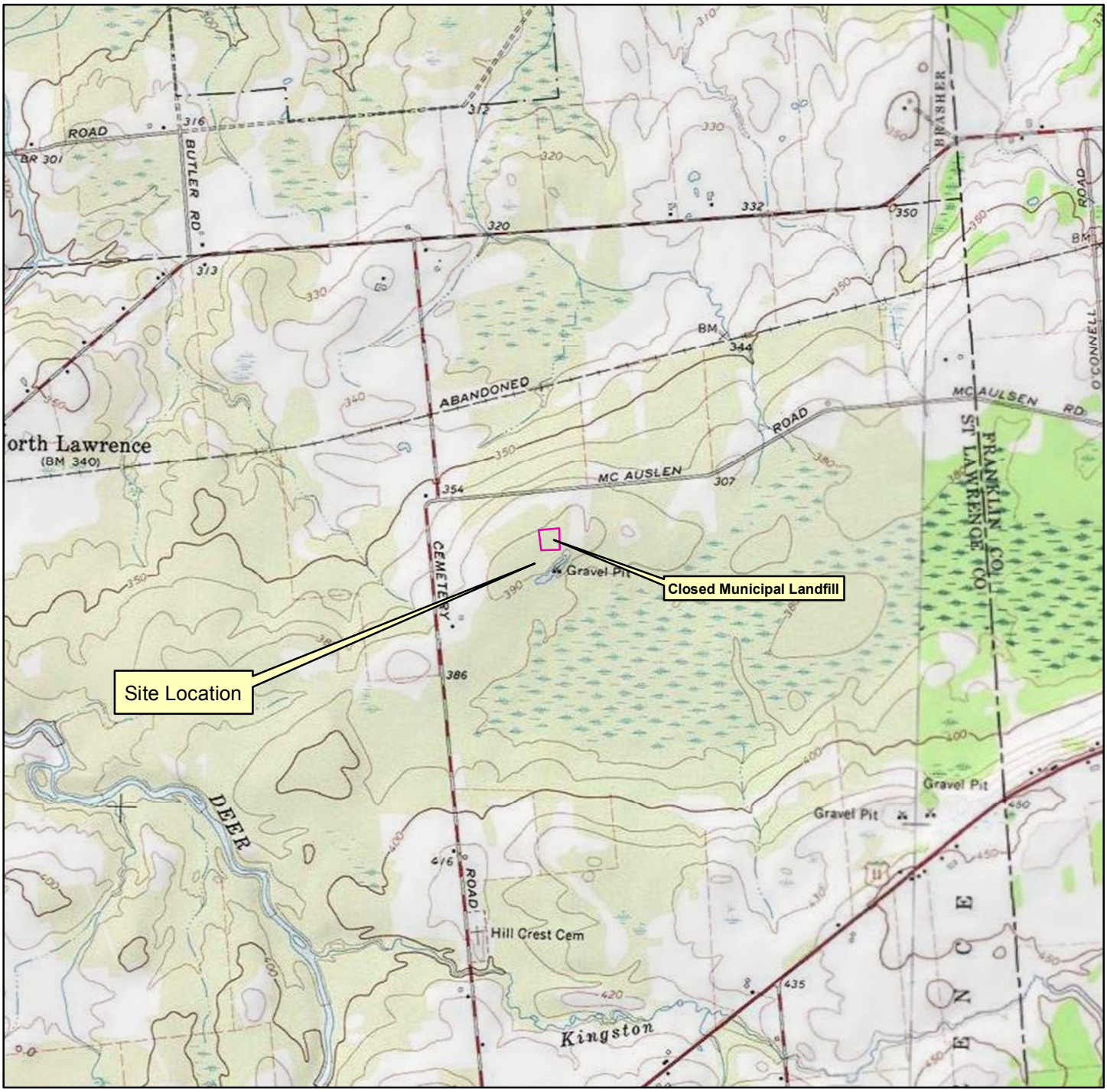
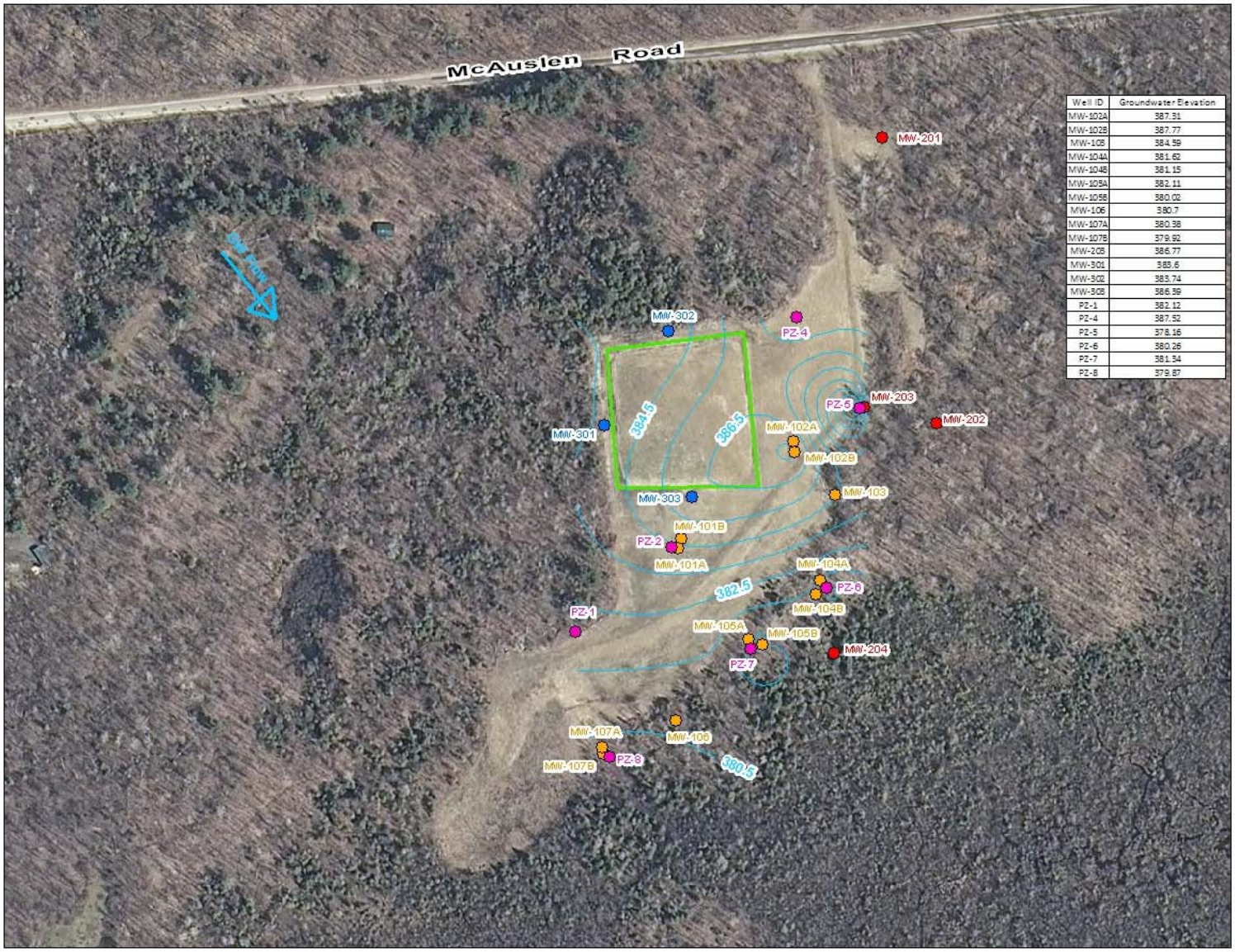


Figure 1
Site Location
North Lawrence Oil Dump Site
North Lawrence, New York
HRP # NEW9620.OM
Scale 1"=2,000'
Site #645031

HRP Associates, Inc.
dBA HRP Engineering, P.C.
Creating the Right Solutions Together
Connecticut, New York, South Carolina, Florida, Indiana
1 Fairchild Square, Suite 110
Clifton Park, New York 12065
(518) 877-7101 FAX: (518) 877-8561
www.hrpassociates.com



Well ID	Groundwater Elevation
MW-102A	387.31
MW-102B	387.77
MW-103	384.59
MW-104A	381.62
MW-104B	381.15
MW-105A	382.11
MW-105B	380.02
MW-106	380.7
MW-107A	380.38
MW-107B	379.92
MW-203	386.77
MW-301	383.6
MW-302	383.74
MW-303	386.39
PZ-1	382.12
PZ-4	387.52
PZ-5	378.16
PZ-6	380.26
PZ-7	381.34
PZ-8	379.87

N

Legend

- 1992 Phase 1 Piezometer
- 1992 Phase 1 Monitoring Well
- 1992 Phase 2 Monitoring Well
- 1998 Monitoring Well
- Disposal Cell
- 1 ft. Groundwater contour lines

Figure 2
Groundwater Contour Map
July 12 2011
North Lawrence Oil Dump Site
North Lawrence, New York
HRP # NEW9620.OM
Scale 1"=200'
Site #645031

HRP Associates, Inc.
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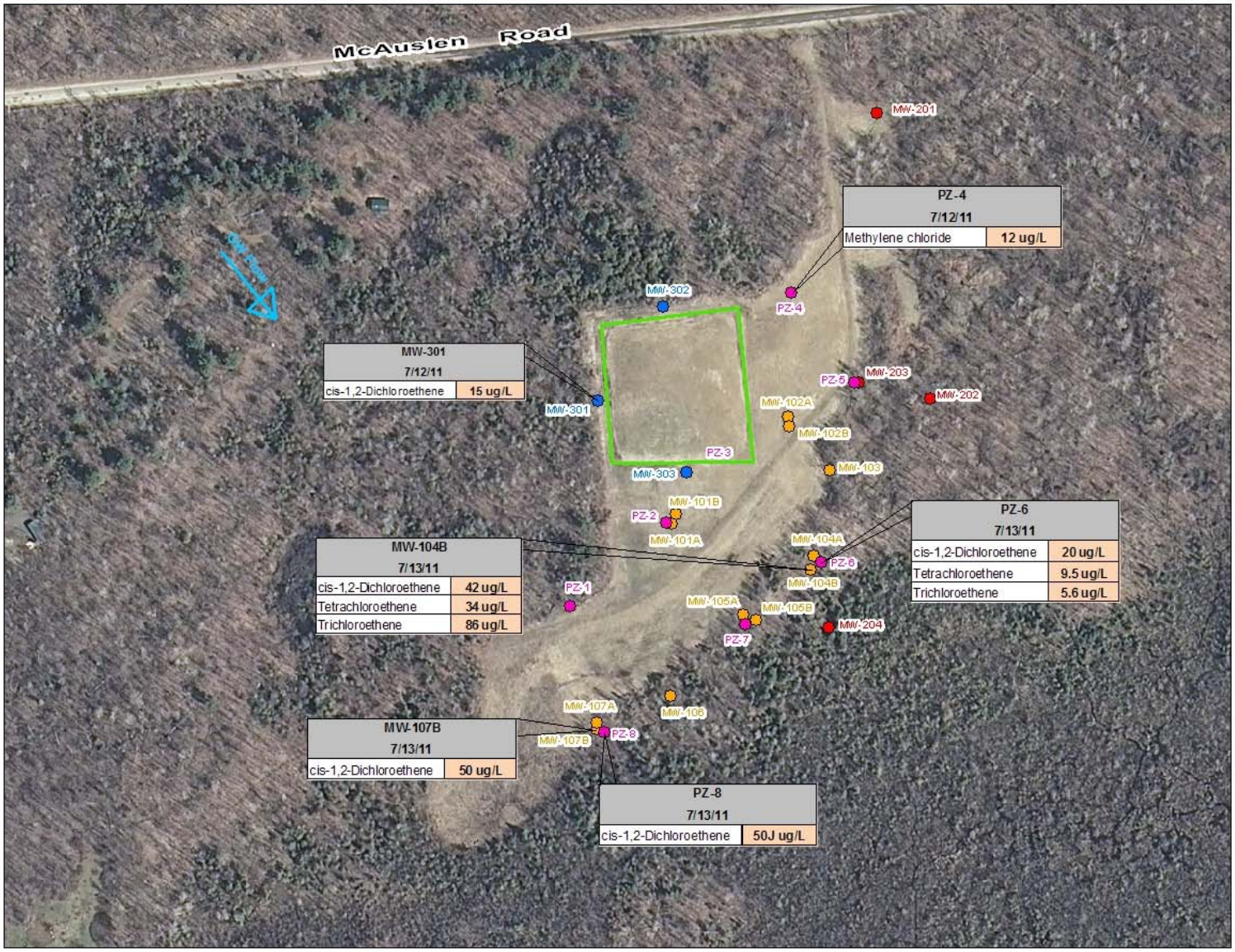
Path: S:\Data\NEW\NEW9620 - NY STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION\NORTH LAWRENCE OIL DUMP, LAWRENCE, NY\NEW9620 OM\GIS\July 2011 Groundwater Contours.mxd



N

Legend

- 1992 Phase 1 Piezometer
- 1992 Phase 1 Monitoring Well
- 1992 Phase 2 Monitoring Well
- 1998 Monitoring Well
- Disposal Cell
- Exceeds NYSDEC Class GA Criteria

Figure 3
Groundwater Samples
Analyzed for VOCs, July 2011
North Lawrence Oil Dump Site
North Lawrence, New York
HRP # NEW9620.OM
Scale 1"=200'
Site # 645031

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McAuslen Road

GW Flow

MW-301 7/12/11	
Barium	525 ug/L
Iron	1380 ug/L

MW-302 7/12/11	
Aluminum, Total	111 ug/L
Barium	615 ug/L
Iron	4,070 ug/L
Manganese	653 ug/L

MW-303 7/12/11	
Barium	193 ug/L

MW-102A 7/12/11	
Barium	121 ug/L
Iron	1300 ug/L

MW-102B 7/12/11	
Iron	811 ug/L

MW-201
MW-302
PZ-4
MW-301
PZ-5
MW-203
MW-202
MW-102A
MW-102B
PZ-3
MW-303
MW-103
MW-101B
PZ-2
MW-101A
MW-104A
PZ-6
MW-104B
PZ-1
MW-105A
MW-105B
MW-204
PZ-7
MW-107A
MW-106
MW-107B
PZ-8

0 100 200 400 600 800 1,000 1,200
Feet
1 inch = 200 feet

N

Legend

- 1992 Phase 1 Piezometer
- 1992 Phase 1 Monitoring Well
- 1992 Phase 2 Monitoring Well
- 1998 Monitoring Well
- Disposal Cell
- Exceeds NYSDEC Class GA Criteria

Figure 4
Groundwater Samples Analyzed for Metals
North Lawrence Oil Dump Site
North Lawrence, New York
HRP # NEW9620.OM
Scale 1"=200'

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Table 1
North Lawerence Oil Dump, Site #645031
McAuslen Road
North Lawrence, New York
7/12-13/2011
Groundwater Samples - Analyzed for VOCs EPA Method 624

Groundwater Sample ID / Date Collected	CAS #	PZ-1 7/13/11	PZ-4 7/12/11	PZ-5 7/12/11	PZ-6 7/13/11	PZ-7 7/13/11	PZ-8 7/13/11	MW-102A 7/12/11	MW-102B 7/12/11	MW-103 7/12/11	MW-104A 7/13/11	MW-104B 7/13/11	MW-105A 7/13/11	MW-105B 7/13/11	MW-106 7/13/11	MW-107A 7/13/11	MW-107B 7/13/11	MW-203 7/12/11	MW-301 7/12/11	MW-302 7/12/11	MW-303 7/12/11	Duplicate 7/12/11	Duplicate 7/13/11	NYSDEC Class GA Criteria
VOCs 624 (ug/L)																								
1,1,1-Trichloroethane	71-55-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
1,1,2-Trichloroethane	79-00-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**
1,1-Dichloroethane	75-34-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
1,1-Dichloroethene	107-06-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.6**
1,2-Dichlorobenzene	95-50-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**3**
1,2-Dichloroethane	107-06-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.6**
1,2-Dichloropropane	78-87-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**
1,3-Dichlorobenzene	541-73-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**3**
Acrolein	107-02-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Acrylonitrile	107-13-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Benzene	71-43-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**
Bromodichloromethane	75-27-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**50**
Bromoform	75-25-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**50**
Bromomethane	74-83-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Carbon tetrachloride	56-23-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Chlorobenzene	108-90-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Chloroethane	75-00-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Chloroform	67-66-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**7**
Chloromethane	74-87-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
cis-1,2-Dichloroethene	156-59-2	ND	ND	ND	**20**	ND	**50 J**	ND	ND	ND	ND	**42**	ND	ND	ND	ND	**50**	ND	**15**	**2 J**	ND	**14**	**18**	**5**
cis-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.4**
Ethylbenzene	100-41-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
m/p-Xylenes	179601-23-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Methylene chloride	75-09-2	ND	**12**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2 J**	ND	ND	ND	ND	ND	**5**
o-Xylene	95-47-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Tetrachloroethene	127-18-4	ND	ND	ND	**9.5**	ND	ND	ND	ND	ND	ND	**34**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10**	**5**
Toluene	108-88-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
trans-1,2-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
trans-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.4**
Trichloroethene		ND	ND	ND	**5.6**	ND	ND	ND	ND	ND	ND	**86**	**2 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**7.2**	**5**
Trichlorofluoromethane	75-69-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Vinyl chloride	75-01-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2**

NYSDEC class GA criteria are from NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1), Ambient water quality, class GA standards/guidance values from Table 1.

Bold	Sample Exceeds NYSDEC Class GA Criteria
Bold	Sample is above Non-Detect Value but Below NYSDEC Class GA Criteria
J	an estimated concentration
( )	Indicates the stated minimum detectable level exceeds an RSR criteria.
MW	Monitor Well
PZ	Piezometer
NE	Not Established
ND	Non Detect
J	Indicates an estimated value.
ug/L	micrograms per liter
CAS	Chemical Abstract Number
VOCs	Volatile Organic Compounds

Table 2
North Lawerence Oil Dump, Site #645031
McAuslen Road
North Lawerence, New York
July 12, 2011
Groundwater Samples - Analyzed for SVOCs EPA Method 8270C

Groundwater Sample ID Date Collected		MW-102A 7/12/11	MW-102B 7/12/11	MW-301 7/12/11	MW-302 7/12/11	MW-303 7/12/11	Duplicate 7/12/11	NYSDEC Class GA Criteria
SVOCs 8270C (ug/L)	**CAS #**							
Acenaphthene	83-32-9	ND	ND	ND	ND	ND	ND	**20**
Anthracene	120-12-7	ND	ND	ND	ND	ND	ND	**50**
Benzo(a)anthracene	56-55-3	ND	ND	ND	ND	ND	ND	**0.002**
Benzo(a)pyrene	50-32-8	ND	ND	ND	ND	ND	ND	**ND**
Benzo(b)fluoranthene	205-99-2	ND	ND	ND	ND	ND	ND	**0.002**
Benzo(ghi)perylene	191-24-2	ND	ND	ND	ND	ND	ND	**NE**
Benzo(k)fluoranthene	207-08-9	ND	ND	ND	ND	ND	ND	**0.002**
Chrysene	218-01-9	ND	ND	ND	ND	ND	ND	**0.002**
Dibenzo(a,h)anthracene	53-70-3	ND	ND	ND	ND	ND	ND	**NE**
Fluoranthene	206-44-0	ND	ND	ND	ND	ND	ND	**50**
Fluorene	86-73-7	ND	ND	ND	ND	ND	ND	**50**
Indeno(1,2,3-cd)pyrene	193-39-5	ND	ND	ND	ND	ND	ND	**0.002**
Phenanthrene	85-01-8	ND	ND	ND	ND	ND	ND	**50**
Pyrene	129-00-0	ND	ND	ND	ND	ND	ND	**50**

NYSDEC class GA criteria are from NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1), Ambient water quality, class GA standards/guidance values from Table 1.

Bold	Sample Exceeds NYSDEC Class GA Criteria
Bold	Sample is above Non-Detect Value but Below NYSDEC Class GA Criteria
J	an estimated concentration
( )	Indicates the stated minimum detectable level exceeds an RSR criteria.
MW	Monitor Well
NE	Not Established
ND	Not detected
mg/l	milligrams per liter
ug/l	micrograms per liter
CAS	Chemical Abstract Number
SVOCs	Semi Volatile Organic Compounds

Table 3
North Lawerence Oil Dump, Site #645031
McAuslen Road
North Lawerence, New York
July 12, 2011
Groundwater Samples - Analyzed for Metals by EPA Methods 6010B/7471A

Groundwater Sample ID / Date Collected		MW-102A 7/12/11	MW-102B 7/12/11	MW-301 7/12/11	MW-302 7/12/11	MW-303 7/12/11	Duplicate 7/12/11	NYSDEC Class GA Criteria
Metals (mg/L)	**CAS #**							
Aluminum, Total	7429-90-5	ND	ND	ND	**111**	ND	ND	**100**
Antimony	7440-36-0	ND	ND	ND	ND	ND	ND	**3**
Arsenic	7440-38-2	ND	ND	ND	ND	ND	ND	**25**
Barium	7440-39-3	**121**	**51.2**	**525**	**615**	**193**	**526**	**100**
Beryllium	7440-41-7	ND	ND	ND	ND	ND	ND	**3**
Cadmium	7440-43-9	ND	ND	ND	ND	ND	ND	**5**
Calcium	7440-70-2	**62,700**	**51,400**	**72,100**	**84,800**	**97,700**	**72,800**	**NE**
Chromium, Total	7440-47-3	ND	ND	ND	ND	ND	ND	**50**
Cobalt	7440-48-4	ND	ND	ND	ND	ND	ND	**NE**
Copper	7440-50-8	ND	ND	ND	ND	ND	ND	**200**
Iron	7439-89-6	**1,300**	**811**	**1,380**	**4,070**	**92.3**	**1,320**	**300**
Lead	7439-92-1	ND	ND	ND	ND	ND	ND	**25**
Magnesium	7439-95-4	**29,200**	**21,800**	**28,300**	**25,200**	**25,600**	**28,200**	**35,000**
Manganese	7439-96-5	**42.2**	**171**	**227**	**653**	**187**	**230**	**300**
Mercury	7439-97-6	ND	ND	ND	ND	ND	ND	**0.7**
Nickel	7440-02-0	ND	ND	ND	ND	ND	ND	**100**
Potassium, Total	7440-09-7	ND	ND	ND	ND	ND	ND	**NE**
Selenium	7782-49-2	ND	ND	ND	ND	ND	ND	**10**
Silver	7440-22-4	ND	ND	ND	ND	ND	ND	**50**
Sodium, Total	7440-23-5	ND	ND	**17,800**	ND	ND	**17,700**	**20,000**
Thallium	7440-28-0	ND	ND	ND	ND	ND	ND	**0.5**
Vanadium	7440-62-2	ND	ND	ND	ND	ND	ND	**NE**
Zinc	7440-66-6	ND	ND	ND	ND	ND	ND	**2,000**
Cyanide, Total	57-12-5	ND	ND	ND	ND	ND	ND	**200**

NYSDEC class GA criteria are from NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1), Ambient water quality, class GA standards/guidance values from Table 1.

Bold	Sample Exceeds NYSDEC Class GA Criteria
Bold	Sample is above Non-Detect Value but Below NYSDEC Class GA Criteria
J	an estimated concentration
( )	Indicates the stated minimum detectable level exceeds an RSR criteria.
MW	Monitor Well
NE	Not Established
ND	Not detected
mg/l	milligrams per liter
CAS	Chemical Abstract Number

Table 4
North Lawerence Oil Dump, Site #645031
McAuslen Road
North Lawerence, New York
July 12, 2011
Groundwater Samples - Analyzed for Pesticides and PCBs Methods 8082/8081A

Groundwater Sample ID Date Collected		MW-102A 7/12/11	MW-102B 7/12/11	MW-301 7/12/11	MW-302 7/12/11	MW-303 7/12/11	Duplicate 7/12/11	NYSDEC Class GA Criteria
Pesticides and PCBs (ug/L)	**CAS #**							
4,4'-DDD	72-54-8	ND	ND	ND	ND	ND	ND	**0.3**
4,4'-DDE	72-55-9	ND	ND	ND	ND	ND	ND	**0.2**
4,4'-DDT	50-29-3	ND	ND	ND	ND	ND	ND	**0.2**
Aldrin	309-00-2	ND	ND	ND	ND	ND	ND	**ND**
alpha-BHC	319-84-6	ND	ND	ND	ND	ND	ND	**0.01**
Alpha-chlordane	5103-71-9	ND	ND	ND	ND	ND	ND	**NE**
Aroclor 1016		ND	ND	ND	ND	ND	ND	**NE**
Aroclor 1221		ND	ND	ND	ND	ND	ND	**NE**
Aroclor 1232		ND	ND	ND	ND	ND	ND	**NE**
Aroclor 1242		ND	ND	ND	ND	ND	ND	**NE**
Aroclor 1248		ND	ND	ND	ND	ND	ND	**NE**
Aroclor 1254		ND	ND	ND	ND	ND	ND	**NE**
Aroclor 1260		ND	ND	ND	ND	ND	ND	**NE**
Aroclor 1262		ND	ND	ND	ND	ND	ND	**NE**
Aroclor 1268		ND	ND	ND	ND	ND	ND	**NE**
beta-BHC	319-85-7	ND	ND	ND	ND	ND	ND	**0.04**
delta-BHC	319-86-8	ND	ND	ND	ND	ND	ND	**0.04**
Dieldrin	60-57-1	ND	ND	ND	ND	ND	ND	**0.004**
Endosulfan I	959-98-8	ND	ND	ND	ND	ND	ND	**NE**
Endosulfan II	33213-65-9	ND	ND	ND	ND	ND	ND	**NE**
Endosulfan Sulfate	1031-07-8	ND	ND	ND	ND	ND	ND	**NE**
Endrin	72-20-8	ND	ND	ND	ND	ND	ND	**ND**
Endrin Aldehyde	7421-93-4	ND	ND	ND	ND	ND	ND	**5**
Endrin ketone	53494-70-5	ND	ND	ND	ND	ND	ND	**5**
gamma-BHC (Lindane)	58-89-9	ND	ND	ND	ND	ND	ND	**0.05**
Heptachlor	76-44-8	ND	ND	ND	ND	ND	ND	**0.04**
Heptachlor Epoxide	1024-57-3	ND	ND	ND	ND	ND	ND	**0.03**
Methoxychlor	72-43-5	ND	ND	ND	ND	ND	ND	**35**
Toxaphene	8001-35-2	ND	ND	ND	ND	ND	ND	**0.06**

NYSDEC class GA criteria are from NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1), Ambient water quality, class GA standards/guidance values from Table 1.

Bold	Sample Exceeds NYSDEC Class GA Criteria
Bold	Sample is above Non-Detect Value but Below NYSDEC Class GA Criteria
J	an estimated concentration
( )	Indicates the stated minimum detectable level exceeds an RSR criteria.
MW	Monitor Well
NE	Not Established
ND	Not detected
ug/l	micrograms per liter
CAS	Chemical Abstract Number
PCBs	Polychlorinated Biphenyl

Appendix A

Metes and Bounds

Appendix B

Instructional and Engineering Certifications Form

Enclosure 1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 645031

Site Name North Lawrence Oil Dump

Site Address: McAuslen Road Zip Code: 12967

City/Town: Town of North Lawrence

County:St. Lawrence

Allowable Use(s) (if applicable, does not address local zoning): None

Site Acreage: 19.4

Verification of Site Details **Box 2**

	YES	NO
1. Are the Site Details above, correct?	☐	☒
If NO, are changes handwritten above or included on a separate sheet?	☐	
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment since the initial/last certification?	☐	☒
If YES, is documentation or evidence that documentation has been previously submitted included with this certification?	☐	
3. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property since the initial/last certification?	☐	☒
If YES, is documentation (or evidence that documentation has been previously submitted) included with this certification?	☐	
4. If use of the site is restricted, is the current use of the site consistent with those restrictions?	☒	☐
If NO, is an explanation included with this certification?	☐	
5. For non-significant-threat Brownfield Cleanup Program Sites subject to ECL 27-1415.7(c), has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☐
If YES, is the new information or evidence that new information has been previously submitted included with this Certification?	☐	
6. For non-significant-threat Brownfield Cleanup Program Sites subject to ECL 27-1415.7(c), are the assumptions in the Qualitative Exposure Assessment still valid (must be certified every five years)?	☐	☐
If NO, are changes in the assessment included with this certification?	☐	

SITE NO. 645031 **Box 3**

Description of Institutional Controls

Parcel	Institutional Control
S_B_L Image: 36.003 and 36.004	Deed Restriction

Box 4

Description of Engineering Controls

Parcel	Engineering Control
S_B_L Image: 36.003 and 36.004	Cover System Fencing/Access Control

Attach documentation if IC/ECs cannot be certified or why IC/ECs are no longer applicable. (See instructions)

Control Description for Site No. 645031

Parcel: 36.003 and 36.004

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☒	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☐	☒

3. If this site has an Operation and Maintenance (O&M) Plan (or equivalent as required in the Decision Document);

   I certify by checking "YES" below that the O&M Plan Requirements (or equivalent as required in the Decision Document) are being met.

YES	NO
☒	☐

4. If this site has a Monitoring Plan (or equivalent as required in the remedy selection document);

   I certify by checking "YES" below that the requirements of the Monitoring Plan (or equivalent as required in the Decision Document) is being met.

YES	NO
☒	☐

IC CERTIFICATIONS
SITE NO. 645031

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 2 and/or 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as _____(Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

_____ _____
Signature of Owner or Remedial Party Rendering Certification Date

IC/EC CERTIFICATIONS

Box 7

QUALIFIED ENVIRONMENTAL PROFESSIONAL (QEP) SIGNATURE

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as a Qualified Environmental Professional for the _____

(Owner or Remedial Party) for the Site named in the Site Details Section of this form.

_____ _____ _____
Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification Stamp (if Required) Date

Appendix C

Post-Closure Site Inspection Checklist

Figure 3-1

Post-Closure Site Inspection Checklist
North Lawrence Oil Dump Site

Date: 7/13/11
Weather: SUNNY, HOT
Personnel (Organization): M. WRIGHT (HRP)
Instructions: Complete the checklist of visual evaluation items and then complete specific data items. Field measurements should be made with a cloth tape and noted on a site plan. Estimated measurements should be so noted. Attach hand sketches or photographs to the site plan to further define conditions or problems.

I. VISUAL EVALAUTION ITEMS

	CONDITION: (Check)				
		Not	Action Required?		
	Acceptable	Acceptable	Yes	No	REMARKS
1) Vegetative Cover					
a) Disposal Cell	X				
b) Lagoon					
c) Wetland	X				
2) Site Drainage					
a) Sediment Build-Up	Y				
b) Pooling or Ponding	Y				
c) Slope Integrity	Y				
d) Erosion Protection (Riprap, grout, vegetation)	X				
e) Obstruction of Culverts	Y				
3) Condition of Access					
a) Road Condition	X				
b) Gates/Locks/Signs	X				
4) Integrity of Ground Water Monitoring Wells	X				
5) Integrity of Cap					
a) Erosion Damage	X				
b) Leachate Break-through	Y				
c) Settlement	Y				
6) Gas Venting System					
a) Vents free of obstructions					
b) Gas readings (measure)	All	4	LEL	Readings 0 (over)	
7) Other (e.g., Litter, Unauthorized Dumping, etc.)	Y				

II. SPECIFIC DATA ITEMS (Write N.A. if not applicable) NA

A. Erosion and Settlement:

1) Approximate size in feet of eroded cap area(s). (List Separately)
a. _____ feet by _____ feet
b. _____ feet by _____ feet
c. _____ feet by _____ feet

2) How deep is the most extreme point of erosion when measured from the adjacent surface. (List Separately)
a. _____ feet
b. _____ feet
c. _____ feet

Figure 3-1

Post-Closure Site Inspection Checklist
North Lawrence Oil Dump Site
(continued)

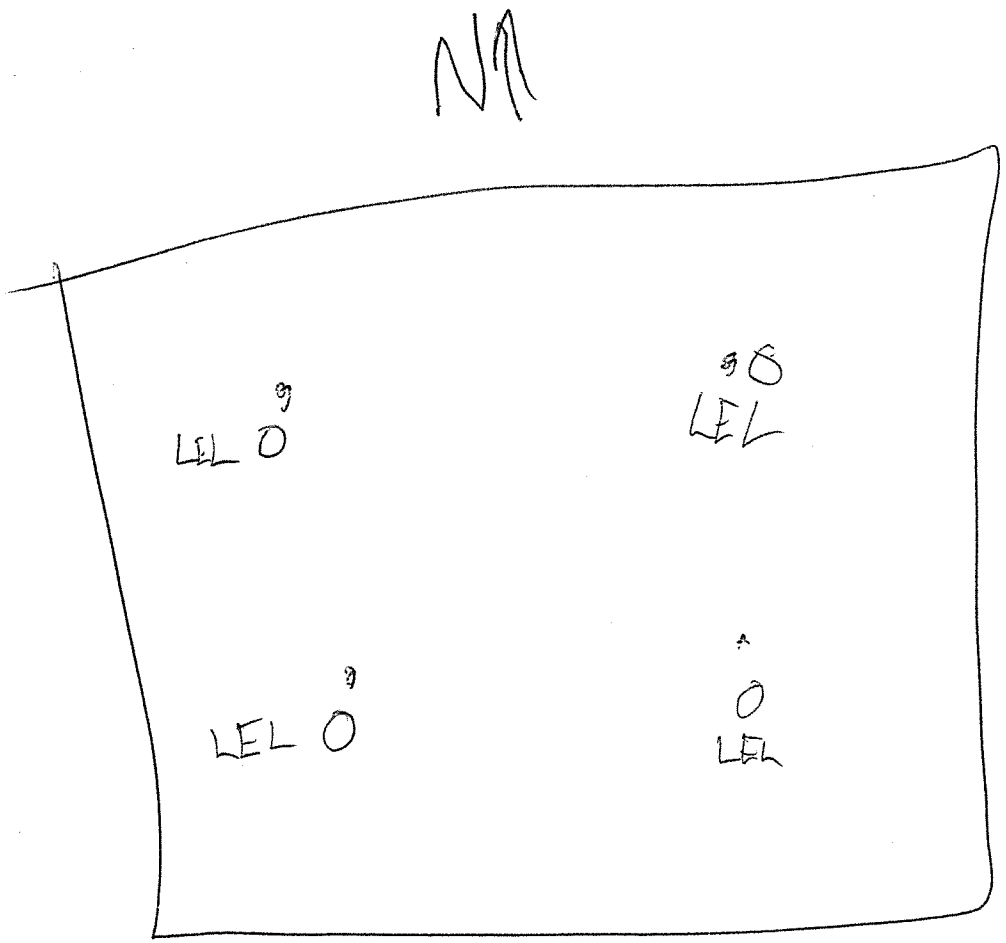
3) Approximate size in feet of eroded areas outside the soil cap area such as drainage ditches, roads or slopes._____
4) Attach a hand sketch or photograph to be attached to this report, showing location(s) of the eroded area(s). Identify each area by using the letter a, b, c, etc. from Question 1.
5) Approximate size in feet of leachate breakout(s). (List Separately)
a. _____ feet by _____ feet
b. _____ feet by _____ feet
c. _____ feet by _____ feet
6) Approximate size in feet of any settlement area within the soil cap area. (List Separately)
a. _____ feet by _____ feet
b. _____ feet by _____ feet
c. _____ feet by _____ feet
7) Approximate depth of each settlement area when measured from the adjacent surface. (List Separately)
a. _____ feet
b. _____ feet
c. _____ feet
8) Attach a hand sketch or photograph to the attached site plan showing the location of the settlement area(s). Identify each area by using letter a, b, or c, etc. from Question 6.

_____

Signature of Inspector(s)

Attachments

_____ Yes _____ No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Appendix D

Field Forms

HRP Engineering, P.C. 1 Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101	GROUNDWATER WELL SAMPLING FORM	

Project: North Lawrence Oil Dump	WAS #: D006130-21	Field Personnel: James Charter and Mark Wright
Location: McAuslen Road, North Lawrence, New York	Well ID.: PZ 1	Weather: Sunny 80F
Sounding Method: Interface Meter	Gauge Date: 7/13/2012	Measurement Ref: Black Mark on top of PVC
Stick Up/Down (ft): Stick up~4ft.	Gauge Time: 12:09	Well Diameter (in): 1 inch

Purge Date:	7/13/2011	Purge Time:	12:09
Purge Method:	Peristaltic Pump	Field Technician:	James Charter

1) Well Depth (ft): 30 ft.	4) Well Diameter (in): 1 inch	7) Five Well Volumes (gal):
2) Depth to Water (ft): 6.69 ft.	5) Well Volume / Foot (gal) (d^2x.0408): 3.80	Depth/Height of Top of PVC:
3) Height of H_2O Column (1-2) (ft): 23.31 ft.	6) Total Well Volume (gal) (3x5): 11.4 gallons	Pump Type: Peristaltic Pump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (mL/m)	pH (pH units)	Conductivity: (uS/cm)	Turbidity (ntu)	DO (ug/L)	Temperature (oC)	ORP (mV)
12:09			~250	7.53	.418	761	0	21.37	-50
12:12				7.47	0.459	733	0	18.86	-93
12:15				7.47	0.468	546	0	18.5	-96
12:18				7.46	0.472	446	0	18.69	-98
12:21				7.44	0.472	220	0	18.97	-95
12:24				7.46	0.476	150	0	18.31	-97
12:27				7.47	0.471	112	0	18.04	-97
12:30				7.47	0.47	82	0	17.77	-99
12:40				7.47	0.463	27	0	18.11	-96
12:43				7.47	0.463	25	0	18.05	-96
12:45				7.47	0.463	24	0	18.17	-94

Total Quantity of Water Removed (Gallons):	11.4	Sampling Time:	12:52
Samplers:	James Charter	Split Sample With:	NA
Sampling Date:	7/13/2011	Sample Type:	

COMMENTS AND OBSERVATIONS:	NR - Not Registering

HRP Engineering, P.C. 1 Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101	GROUNDWATER WELL SAMPLING FORM	

Project: North Lawrence Oil Dump	WAS #: D006130-21	Field Personnel: James Charter and Mark Wright
Location: McAuslen Road, North Lawrence, New York	Well ID.: PZ-7	Weather: Sunny 80F
Sounding Method: Interface Meter	Gauge Date: 7/13/2012	Measurement Ref: Black Mark on top of PVC
Stick Up/Down (ft): Stick up~4ft.	Gauge Time: 10:30	Well Diameter (in): 1 inch

Purge Date:	7/13/2011	Purge Time:	10:30
Purge Method:	Peristaltic Pump	Field Technician:	James Charter

1) Well Depth (ft): 30.98 ft.	4) Well Diameter (in): 1 inch	7) Five Well Volumes (gal):
2) Depth to Water (ft): 5.31 ft.	5) Well Volume / Foot (gal) (d^2x.0408): 0.48	Depth/Height of Top of PVC:
3) Height of H_2O Column (1-2) (ft): 25.67 ft.	6) Total Well Volume (gal) (3x5): 1.3 gallons	Pump Type: Peristaltic Pump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (mL/m)	pH (pH units)	Conductivity: (uS/cm)	Turbidity (ntu)	DO (ug/L)	Temperature (oC)	ORP (mV)
10:30	NA			7.40	0.392	4.8	4.43	20.96	-25
10:34				7.58	0.383	2.3	1.53	20.07	-30
10:38				7.33	0.514	1.9	0	18.45	-83
10:42				7.23	0.541	2.2	0	18.41	-83
10:46				7.2	0.544	2.5	0	18.58	-83
10:50				7.18	0.547	2.2	0	18.51	-83

Total Quantity of Water Removed (Gallons):	1.3	Sampling Time:	10:54
Samplers:	James Charter	Split Sample With:	NA
Sampling Date:	7/13/2011	Sample Type:	

COMMENTS AND OBSERVATIONS:	Groundwater not measure during purging due to diameter of the well.

HRP Engineering, P.C. 1 Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101	GROUNDWATER WELL SAMPLING FORM	

Project: North Lawrence Oil Dump	WAS #: D006130-21	Field Personnel: James Charter and Mark Wright
Location: McAuslen Road, North Lawrence, New York	Well ID.: PZ-8	Weather: Sunny 80F
Sounding Method: Interface Meter	Gauge Date: 7/13/2012	Measurement Ref: Black Mark on top of PVC
Stick Up/Down (ft): Stick up~4ft.	Gauge Time: 12:27	Well Diameter (in): 1 inch

Purge Date:	7/13/2011	Purge Time:	12:27
Purge Method:	Peristaltic Pump	Field Technician:	James Charter

1) Well Depth (ft): 15.96 ft.	4) Well Diameter (in): 1 inch	7) Five Well Volumes (gal):
2) Depth to Water (ft): 4.88 ft.	5) Well Volume / Foot (gal) (d^2x.0408): 1.81	Depth/Height of Top of PVC:
3) Height of H_2O Column (1-2) (ft): 11.08 ft.	6) Total Well Volume (gal) (3x5): 2.10 gallons	Pump Type: Peristaltic Pump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (mL/m)	pH (pH units)	Conductivity: (uS/cm)	Turbidity (ntu)	DO (ug/L)	Temperature (oC)	ORP (mV)
12:27	NA			7.37	0.549	6.4	0	19.65	-98
12:31				7.32	0.551	2.4	0	18.4	-98
12:34				7.3	0.559	0.8	0	17.58	-107
12:37				7.31	0.56	0.5	0	17.39	-111
12:40				7.29	0.564	0.4	0	17.59	-115

Total Quantity of Water Removed (Gallons):	2.1	Sampling Time:	12:44
Samplers:	James Charter	Split Sample With:	NA
Sampling Date:	7/13/2011	Sample Type:	

COMMENTS AND OBSERVATIONS:	NR - Not Registering

HRP Engineering, P.C. 1 Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101	GROUNDWATER WELL SAMPLING FORM	

Project: North Lawrence Oil Dump	WAS #: D006130-21	Field Personnel: James Charter and Mark Wright
Location: McAuslen Road, North Lawrence, New York	Well ID.: MW-104B	Weather: Sunny 80F
Sounding Method: Interface Meter	Gauge Date: 7/13/2012	Measurement Ref: Black Mark on top of PVC
Stick Up/Down (ft): Stick up~4ft.	Gauge Time: 10:30	Well Diameter (in): 2 inches

Purge Date:	7/13/2011	Purge Time:	10:30
Purge Method:	Peristaltic Pump	Field Technician:	James Charter

1) Well Depth (ft): 11.79 ft.	4) Well Diameter (in): 2 inch	7) Five Well Volumes (gal):
2) Depth to Water (ft): 5.52 ft.	5) Well Volume / Foot (gal) (d^2x.0408): 1.02	Depth/Height of Top of PVC:
3) Height of H_2O Column (1-2) (ft): 6.27 ft.	6) Total Well Volume (gal) (3x5): 3.06gallons	Pump Type: Peristaltic Pump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (mL/m)	pH (pH units)	Conductivity: (uS/cm)	Turbidity (ntu)	DO (ug/L)	Temperature (oC)	ORP (mV)
10:30	5.60		~200	6.81	.631	1.4	0.37	20.08	-38
10:33				6.71	0.626	1.3	0	19.27	0.35
10:36	5.62			6.66	0.621	1.1	0	19.6	0.35
10:39				6.64	0.619	0.9	0	19.71	0.35
10:42	5.64			6.63	0.614	0.9	0	19.85	0.34

Total Quantity of Water Removed (Gallons):	3.06	Sampling Time:	1045
Samplers:	James Charter	Split Sample With:	NA
Sampling Date:	7/13/2011	Sample Type:	

COMMENTS AND OBSERVATIONS:	NR - Not Registering

HRP Engineering, P.C. 1 Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101	GROUNDWATER WELL SAMPLING FORM	

Project: North Lawrence Oil Dump	WAS #: D006130-21	Field Personnel: James Charter and Mark Wright
Location: McAuslen Road, North Lawrence, New York	Well ID.: MW-106	Weather: Sunny 80F
Sounding Method: Interface Meter	Gauge Date: 7/13/2012	Measurement Ref: Black Mark on top of PVC
Stick Up/Down (ft): Stick up~4ft.	Gauge Time: 11:30	Well Diameter (in): 2 inches

Purge Date:	7/13/2011	Purge Time:	11:30
Purge Method:	Peristaltic Pump	Field Technician:	James Charter

1) Well Depth (ft): 12.0 ft.	4) Well Diameter (in): 2 inch	7) Five Well Volumes (gal):
2) Depth to Water (ft): 7.0 ft.	5) Well Volume / Foot (gal) (d^2x.0408): 0.815	Depth/Height of Top of PVC:
3) Height of H_2O Column (1-2) (ft): 5.00 ft.	6) Total Well Volume (gal) (3x5): 4.08 gallons	Pump Type: Peristaltic Pump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (mL/m)	pH (pH units)	Conductivity: (uS/cm)	Turbidity (ntu)	DO (ug/L)	Temperature (oC)	ORP (mV)
11:30			~200	7.24	.272	10.5	0.17	23.02	99
11:33				7.06	0.262	10.3	0	19.69	103
11:35				7.02	0.25	11.3	0	19.61	103
11:39				7.01	0.257	11.1	0	19.6	105
11:42				6.99	0.253	11.2	0	19.58	107

Total Quantity of Water Removed (Gallons):	4.08	Sampling Time:	11:45
Samplers:	James Charter	Split Sample With:	NA
Sampling Date:	7/13/2011	Sample Type:	

COMMENTS AND OBSERVATIONS:	NR - Not Registering

HRP Engineering, P.C. 1 Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101	GROUNDWATER WELL SAMPLING FORM	

Project: North Lawrence Oil Dump	WAS #: D006130-21	Field Personnel: James Charter and Mark Wright
Location: McAuslen Road, North Lawrence, New York	Well ID.: MW-107A	Weather: Sunny 80F
Sounding Method: Interface Meter	Gauge Date: 7/13/2012	Measurement Ref: Black Mark on top of PVC
Stick Up/Down (ft): Stick up~4ft.	Gauge Time: 11:40	Well Diameter (in): 2 inches

Purge Date:	7/13/2011	Purge Time:	11:40
Purge Method:	Peristaltic Pump	Field Technician:	James Charter

1) Well Depth (ft): 42.91 ft.	4) Well Diameter (in): 2 inch	7) Five Well Volumes (gal):
2) Depth to Water (ft): 4.20 ft.	5) Well Volume / Foot (gal) (d^2x.0408): 6.31	Depth/Height of Top of PVC:
3) Height of H_2O Column (1-2) (ft): 38.71 ft.	6) Total Well Volume (gal) (3x5): 1.3 gallons	Pump Type: Peristaltic Pump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (mL/m)	pH (pH units)	Conductivity: (uS/cm)	Turbidity (ntu)	DO (ug/L)	Temperature (oC)	ORP (mV)
11:40	5.55			7.73	.394	0.7	3.27	17.73	-90
11:44	6.65			7.69	0.4	0.6	0	15.64	-103
11:48	7.21			7.66	0.406	0.4	0	14.84	-123
11:52	8.02			7.66	0.41	0.7	0	14.17	-130
11:55	8.09			7.65	0.411	0.8	0	14.16	-135
11:58	8.13			7.65	0.412	0.8	0	14.08	-139

Total Quantity of Water Removed (Gallons):	1.3	Sampling Time:	12:02
Samplers:	James Charter	Split Sample With:	NA
Sampling Date:	7/13/2011	Sample Type:	

COMMENTS AND OBSERVATIONS:	

HRP Engineering, P.C. 1 Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101	GROUNDWATER WELL SAMPLING FORM	

Project: North Lawrence Oil Dump	WAS #: D006130-21	Field Personnel: James Charter and Mark Wright
Location: McAuslen Road, North Lawrence, New York	Well ID.: MW-107B	Weather: Sunny 80F
Sounding Method: Interface Meter	Gauge Date: 7/13/2012	Measurement Ref: Black Mark on top of PVC
Stick Up/Down (ft): Stick up~4ft.	Gauge Time: 12:05	Well Diameter (in): 2 inches

Purge Date:	7/13/2011	Purge Time:	12:05
Purge Method:	Peristaltic Pump	Field Technician:	James Charter

1) Well Depth (ft): 11.92 ft.	4) Well Diameter (in): 2 inch	7) Five Well Volumes (gal):
2) Depth to Water (ft): 5.25 ft.	5) Well Volume / Foot (gal) (d^2x.0408): 1.08	Depth/Height of Top of PVC:
3) Height of H_2O Column (1-2) (ft): 6.67 ft.	6) Total Well Volume (gal) (3x5): 1.1 gallons	Pump Type: Peristaltic Pump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (mL/m)	pH (pH units)	Conductivity: (uS/cm)	Turbidity (ntu)	DO (ug/L)	Temperature (oC)	ORP (mV)
12:05	5.95			7.33	0.556	3.2	0	18.78	-105
12:09	6			7.23	0.565	0.7	0	17.38	-111
12:12	6.02			7.23	0.569	0.8	0	17.4	-119
12:16	6.05			7.24	0.567	0.3	0	17.01	-122
12:19	6.06			7.26	0.569	0.3	0	17.21	-125

Total Quantity of Water Removed (Gallons):	1.1	Sampling Time:	12:22
Samplers:	James Charter	Split Sample With:	NA
Sampling Date:	7/13/2011	Sample Type:	

COMMENTS AND OBSERVATIONS:	

HRP Engineering, P.C. 1 Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101	GROUNDWATER WELL SAMPLING FORM	

Project: North Lawrence Oil Dump	WAS #: D006130-21	Field Personnel: James Charter and Mark Wright
Location: McAuslen Road, North Lawrence, New York	Well ID.: PZ-4	Weather: Sunny 80F
Sounding Method: Interface Meter	Gauge Date: 7/12/2012	Measurement Ref: Black Mark on top of PVC
Stick Up/Down (ft): Stick up~4ft.	Gauge Time: 1453	Well Diameter (in): 2 inches

Purge Date:	7/12/2011	Purge Time:	1453
Purge Method:	Peristaltic Pump	Field Technician:	James Charter

1) Well Depth (ft): 17.48 ft.	4) Well Diameter (in): 1 inch	7) Five Well Volumes (gal):
2) Depth to Water (ft): 8.90 ft.	5) Well Volume / Foot (gal) (d^2x.0408): 0.35	Depth/Height of Top of PVC:
3) Height of H_2O Column (1-2) (ft): 13.35 ft.	6) Total Well Volume (gal) (3x5): 1.40 gallons	Pump Type: Peristaltic Pump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (mL/m)	pH (pH units)	Conductivity: (uS/cm)	Turbidity (ntu)	DO (ug/L)	Temperature (oC)	ORP (mV)
1453	NA			6.65	0.535	10.3	2.30	25.36	93
1458	NA			6.52	0.55	1.7	0	23.78	82
1503	NA			5.52	0.563	0.7	0	21.14	82
1507	NA			6.52	0.58	0.3	0	20.99	86
1511	NA			6.53	0.583	0.4	0	20.77	88

Total Quantity of Water Removed (Gallons):	1.4	Sampling Time:	1515
Samplers:	James Charter	Split Sample With:	NA
Sampling Date:	7/12/2011	Sample Type:	

COMMENTS AND OBSERVATIONS:	NA = Grounwater levels not colelcted from well during purging due to small diameter of well.

HRP Engineering, P.C. 1 Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101	GROUNDWATER WELL SAMPLING FORM	

Project: North Lawrence Oil Dump	WAS #: D006130-21	Field Personnel: James Charter and Mark Wright
Location: McAuslen Road, North Lawrence, New York	Well ID.: MW-103	Weather: Sunny 80F
Sounding Method: Interface Meter	Gauge Date: 7/12/2012	Measurement Ref: Black Mark on top of PVC
Stick Up/Down (ft): Stick up~4ft.	Gauge Time: 1457	Well Diameter (in): 2 inches

Purge Date:	7/12/2011	Purge Time:	1457
Purge Method:	Peristaltic Pump	Field Technician:	James Charter

1) Well Depth (ft): 7.95 ft.	4) Well Diameter (in): 2 inch	7) Five Well Volumes (gal):
2) Depth to Water (ft): 5.63 ft.	5) Well Volume / Foot (gal) (d^2x.0408): 0.37	Depth/Height of Top of PVC:
3) Height of H_2O Column (1-2) (ft): 2.32 ft.	6) Total Well Volume (gal) (3x5): 1.40 gallons	Pump Type: Peristaltic Pump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (mL/m)	pH (pH units)	Conductivity: (uS/cm)	Turbidity (ntu)	DO (ug/L)	Temperature (oC)	ORP (mV)
1457	na			7.13	.455	6.3	0	20.08	-15
1500	na			6.61	0.508	1.6	0	19.5	-63
1503	na			6.51	0.567	1.3	0	19.4	-62
1506	na			6.49	0.585	0.8	0	18.82	-57
1509	na			6.49	0.593	0.9	0	18.51	-55
1515	na			6.49	0.593	0.8	0	18.09	-51
1518	na			6.44	0.597	0.7	0	18.11	-48
1521	na			6.44	0.596	0.6	0	18.08	-46

Total Quantity of Water Removed (Gallons):	16.4	Sampling Time:	1525
Samplers:	Wark Wright	Split Sample With:	NA
Sampling Date:	7/12/2011	Sample Type:	

COMMENTS AND OBSERVATIONS:	NA = Grounwater levels not colelcted from well during purging due to small diameter of well.

HRP Engineering, P.C. 1 Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101	GROUNDWATER WELL SAMPLING FORM	

Project: North Lawrence Oil Dump	WAS #: D006130-21	Field Personnel: James Charter and Mark Wright
Location: McAuslen Road, North Lawrence, New York	Well ID.: MW-105A	Weather: Sunny 80F
Sounding Method: Interface Meter	Gauge Date: 7/13/2012	Measurement Ref: Black Mark on top of PVC
Stick Up/Down (ft): Stick up~4ft.	Gauge Time: 924	Well Diameter (in): 2 inches

Purge Date:	7/13/2011	Purge Time:	924
Purge Method:	Peristaltic Pump	Field Technician:	James Charter

1) Well Depth (ft): 41.82 ft.	4) Well Diameter (in): 2 inch	7) Five Well Volumes (gal):
2) Depth to Water (ft): 5.61 ft.	5) Well Volume / Foot (gal) (d^2x.0408): 5.86	Depth/Height of Top of PVC:
3) Height of H_2O Column (1-2) (ft): 13.85 ft.	6) Total Well Volume (gal) (3x5): 15.40 gallons	Pump Type: Peristaltic Pump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (mL/m)	pH (pH units)	Conductivity: (uS/cm)	Turbidity (ntu)	DO (ug/L)	Temperature (oC)	ORP (mV)
924	6.89			8.46	0.311	3.5	9.98	19.47	90
928	7.43			8.53	0.307	2.8	6.83	16.52	100
932	7.82			8.53	0.31	2.8	5.52	15.29	102
936	7.91			8.51	0.312	2.5	5.04	15.55	105
940	7.95			8.48	0.314	2.1	4.92	15.65	107
944	8.02			8.47	0.315	1.9	4.75	15.72	108

Total Quantity of Water Removed (Gallons):	1.6	Sampling Time:	948
Samplers:	James Charter	Split Sample With:	NA
Sampling Date:	7/13/2011	Sample Type:	MS/MSD

COMMENTS AND OBSERVATIONS:	MS/MSD taken from this location

HRP Engineering, P.C. 1 Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101	GROUNDWATER WELL SAMPLING FORM	

Project: North Lawrence Oil Dump	WAS #: D006130-21	Field Personnel: James Charter and Mark Wright
Location: McAuslen Road, North Lawrence, New York	Well ID.: PZ-2	Weather: Sunny 80F
Sounding Method: Interface Meter	Gauge Date: 7/13/2012	Measurement Ref: Black Mark on top of PVC
Stick Up/Down (ft): Stick up~4ft.	Gauge Time: 939	Well Diameter (in): 2 inches

Purge Date:	7/13/2011	Purge Time:	939
Purge Method:	Peristaltic Pump	Field Technician:	James Charter

1) Well Depth (ft): 16.41 ft.	4) Well Diameter (in): 2 inch	7) Five Well Volumes (gal):
2) Depth to Water (ft): 5.49 ft.	5) Well Volume / Foot (gal) (d^2x.0408): 1.77	Depth/Height of Top of PVC:
3) Height of H_2O Column (1-2) (ft): 10.92 ft.	6) Total Well Volume (gal) (3x5): 5.33 gallons	Pump Type: Peristaltic Pump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (mL/m)	pH (pH units)	Conductivity: (uS/cm)	Turbidity (ntu)	DO (ug/L)	Temperature (oC)	ORP (mV)
939	5.49			6.90	.387	3.1	8.54	18.19	63
942	na			6.74	0.386	1.5	4.07	17.6	47
945	na			6.69	0.386	0.9	2.72	17.61	47
948	na			6.66	0.388	1	1.93	18.12	49
951	na			6.664	0.389	1.1	1.31	18.5	52
957	na			6.66	0.391	0.9	1.28	18.5	53

Total Quantity of Water Removed (Gallons):	5.33	Sampling Time:	1000
Samplers:	James Charter	Split Sample With:	NA
Sampling Date:	7/13/2011	Sample Type:	Dulpicate

COMMENTS AND OBSERVATIONS:	Collected Field Duplciate from this location

HRP Engineering, P.C. 1 Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101	GROUNDWATER WELL SAMPLING FORM	

Project: North Lawrence Oil Dump	WAS #: D006130-21	Field Personnel: James Charter and Mark Wright
Location: McAuslen Road, North Lawrence, New York	Well ID.: MW-104A	Weather: Sunny 80F
Sounding Method: Interface Meter	Gauge Date: 7/13/2012	Measurement Ref: Black Mark on top of PVC
Stick Up/Down (ft): Stick up~4ft.	Gauge Time: 1009	Well Diameter (in): 2 inches

Purge Date:	7/13/2011	Purge Time:	1009
Purge Method:	Peristaltic Pump	Field Technician:	James Charter

1) Well Depth (ft): 40.00 ft.	4) Well Diameter (in): 2 inch	7) Five Well Volumes (gal):
2) Depth to Water (ft): 5.23 ft.	5) Well Volume / Foot (gal) (d^2x.0408): 5.66	Depth/Height of Top of PVC:
3) Height of H_2O Column (1-2) (ft): 34.77 ft.	6) Total Well Volume (gal) (3x5): 17.82 gallons	Pump Type: Peristaltic Pump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (mL/m)	pH (pH units)	Conductivity: (uS/cm)	Turbidity (ntu)	DO (ug/L)	Temperature (oC)	ORP (mV)
1009	5.25			7.41	.565	2.3	0	18.51	-155
1012	na			7.46	0.561	2.3	0	18.61	-160
1015	na			7.49	0.562	2.3	0	18.7	-168
1018	5.33			7.51	0.561	2.3	0	18.86	-172

Total Quantity of Water Removed (Gallons):	17.82	Sampling Time:	1020
Samplers:	James Charter	Split Sample With:	NA
Sampling Date:	7/13/2011	Sample Type:	normal

COMMENTS AND OBSERVATIONS:	

HRP Engineering, P.C. 1 Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101	GROUNDWATER WELL SAMPLING FORM	

Project: North Lawrence Oil Dump	WAS #: D006130-21	Field Personnel: James Charter and Mark Wright
Location: McAuslen Road, North Lawrence, New York	Well ID.: MW-105B	Weather: Sunny 80F
Sounding Method: Interface Meter	Gauge Date: 7/13/2012	Measurement Ref: Black Mark on top of PVC
Stick Up/Down (ft): Stick up~4ft.	Gauge Time: 1004	Well Diameter (in): 2 inches

Purge Date:	7/13/2011	Purge Time:	1004
Purge Method:	Peristaltic Pump	Field Technician:	James Charter

1) Well Depth (ft): 11.77 ft.	4) Well Diameter (in): 2 inch	7) Five Well Volumes (gal):
2) Depth to Water (ft): 6.61 ft.	5) Well Volume / Foot (gal) (d^2x.0408): 0.84	Depth/Height of Top of PVC:
3) Height of H_2O Column (1-2) (ft): 5.16 ft.	6) Total Well Volume (gal) (3x5): 1.40 gallons	Pump Type: Peristaltic Pump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (mL/m)	pH (pH units)	Conductivity: (uS/cm)	Turbidity (ntu)	DO (ug/L)	Temperature (oC)	ORP (mV)
1004	7.41			7.54	0.587	1	5.13	19.06	-88
1008	7.32			6.9	0.614	0.6	0	18.72	-79
1012	7.31			6.8	0.607	0.9	0	18.36	-81
1016	7.28			6.77	0.601	1.1	0	18.44	-83
1020	7.29			6.75	0.598	0.7	0	18.51	-79

Total Quantity of Water Removed (Gallons):	1.4	Sampling Time:	1024
Samplers:	James Charter	Split Sample With:	NA
Sampling Date:	7/13/2011	Sample Type:	MS/MSD

COMMENTS AND OBSERVATIONS:	NR - Not Registering

HRP Engineering, P.C. 1 Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101	GROUNDWATER WELL SAMPLING FORM	

Project: North Lawrence Oil Dump	WAS #: D006130-21	Field Personnel: James Charter and Mark Wright
Location: McAuslen Road, North Lawrence, New York	Well ID.: MW-303	Weather: Sunny 80F
Sounding Method: Interface Meter	Gauge Date: 7/12/2012	Measurement Ref: Black Mark on top of PVC
Stick Up/Down (ft): Stick up~4ft.	Gauge Time:947	Well Diameter (in): 2 inches

Purge Date:	7/12/2011	Purge Time:	9:47
Purge Method:	Peristaltic Pump	Field Technician:	James Charter

1) Well Depth (ft): 17.87 ft.	4) Well Diameter (in): 2 inch	7) Five Well Volumes (gal):
2) Depth to Water (ft): 6.64 ft.	5) Well Volume / Foot (gal) (d^2x.0408): 0.183	Depth/Height of Top of PVC:
3) Height of H_2O Column (1-2) (ft): 13.35 ft.	6) Total Well Volume (gal) (3x5): 5.49 gallons	Pump Type: Peristaltic Pump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (mL/m)	pH (pH units)	Conductivity: (uS/cm)	Turbidity (ntu)	DO (ug/L)	Temperature (oC)	ORP (mV)
947	7.25			7.31	0.607	1.1	2.06	22.71	107
952	7.25			7.11	0.595	0.9	0.47	20.35	120
958	7.39			6.83	0.583	0.8	0	18.47	126
1002	7.46			6.83	0.57	0.7	0	18.29	112
1007	7.5			6.84	0.561	0.6	0	18.21	97
1012	7.54			6.85	0.555	0.4	0	18.12	88
1017	7.55			6.85	0.551	0.4	0	18.01	84
1022	7.56			6.86	0.548	0.3	0	17.88	80

Total Quantity of Water Removed (Gallons):	5.49	Sampling Time:	1030
Samplers:	James Charter	Split Sample With:	NA
Sampling Date:	7/12/2011	Sample Type:	MS/MSD

COMMENTS AND OBSERVATIONS:	MS/MSD taken from this location

HRP Engineering, P.C. 1 Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101	GROUNDWATER WELL SAMPLING FORM	

Project: North Lawrence Oil Dump	WAS #: D006130-21	Field Personnel: James Charter and Mark Wright
Location: McAuslen Road, North Lawrence, New York	Well ID.: MW-102A	Weather: Sunny 80F
Sounding Method: Interface Meter	Gauge Date: 7/12/2012	Measurement Ref: Black Mark on top of PVC
Stick Up/Down (ft): Stick up~4ft.	Gauge Time: 10:20	Well Diameter (in): 2 inches

Purge Date:	7/12/2011	Purge Time:	10:20
Purge Method:	Peristaltic Pump	Field Technician:	James Charter

1) Well Depth (ft): 41.87 ft.	4) Well Diameter (in): 2 inch	7) Five Well Volumes (gal):
2) Depth to Water (ft): 8.32 ft.	5) Well Volume / Foot (gal) (d^2x.0408): 5.46	Depth/Height of Top of PVC:
3) Height of H_2O Column (1-2) (ft): 13.35 ft.	6) Total Well Volume (gal) (3x5): 16.40 gallons	Pump Type: Peristaltic Pump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (mL/m)	pH (pH units)	Conductivity: (uS/cm)	Turbidity (ntu)	DO (ug/L)	Temperature (oC)	ORP (mV)
1020	8.32			7.13	NR	NR	NR	NR	NR
1025	12.2			7.47	0.496	2.3	0	13.01	-118
1030	13.35			7.42	1.493	2.4	0	12.66	-117
1035	14.17			7.36	0.47	1	0	12.88	-115
1040	14.65			7.33	0.494	1	0	12.71	-112
1045	15.15			7.29	0.49	1.1	0	13	-111

Total Quantity of Water Removed (Gallons):	16.4	Sampling Time:	1045
Samplers:	James Charter	Split Sample With:	NA
Sampling Date:	7/12/2011	Sample Type:	

COMMENTS AND OBSERVATIONS:	

HRP Engineering, P.C. 1 Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101	GROUNDWATER WELL SAMPLING FORM	

Project: North Lawrence Oil Dump	WAS #: D006130-21	Field Personnel: James Charter and Mark Wright
Location: McAuslen Road, North Lawrence, New York	Well ID.: MW-302	Weather: Sunny 80F
Sounding Method: Interface Meter	Gauge Date: 7/12/2012	Measurement Ref: Black Mark on top of PVC
Stick Up/Down (ft): Stick up~4ft.	Gauge Time: 1357	Well Diameter (in): 2 inches

Purge Date:	7/12/2011	Purge Time:	1357
Purge Method:	Peristaltic Pump	Field Technician:	James Charter

1) Well Depth (ft): 17.56 ft.	4) Well Diameter (in): 2 inch	7) Five Well Volumes (gal):
2) Depth to Water (ft): 6.14 ft.	5) Well Volume / Foot (gal) (d^2x.0408): 1.86	Depth/Height of Top of PVC:
3) Height of H_2O Column (1-2) (ft): 11.42 ft.	6) Total Well Volume (gal) (3x5): 5.58 gallons	Pump Type: Peristaltic Pump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (mL/m)	pH (pH units)	Conductivity: (uS/cm)	Turbidity (ntu)	DO (ug/L)	Temperature (oC)	ORP (mV)
1357	7.25			6.74	0.468	10.7	0.70	25.53	-47
1402	8.41			6.68	0.484	9.1	0	23	-53
1407	9.15			6.63	0.499	8.1	0	21.74	-56
1411	9.21			6.63	0.493	8.2	0	21.7	-42
1415	9.25			6.63	0.49	8.8	0	21.63	-38
1419	9.27			6.63	0.488	7.9	0	21.57	-35

Total Quantity of Water Removed (Gallons):	1.3	Sampling Time:	1422
Samplers:	James Charter	Split Sample With:	NA
Sampling Date:	7/12/2011	Sample Type:	

COMMENTS AND OBSERVATIONS:	

HRP Engineering, P.C. 1 Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101	GROUNDWATER WELL SAMPLING FORM	

Project: North Lawrence Oil Dump	WAS #: D006130-21	Field Personnel: James Charter and Mark Wright
Location: McAuslen Road, North Lawrence, New York	Well ID.: MW-203	Weather: Sunny 80F
Sounding Method: Interface Meter	Gauge Date: 7/12/2012	Measurement Ref: Black Mark on top of PVC
Stick Up/Down (ft): Stick up~4ft.	Gauge Time: 1421	Well Diameter (in): 2 inches

Purge Date:	7/12/2011	Purge Time:	1421
Purge Method:	Peristaltic Pump	Field Technician:	James Charter

1) Well Depth (ft): 20.15 ft.	4) Well Diameter (in): 2 inch	7) Five Well Volumes (gal):
2) Depth to Water (ft): 8.35 ft.	5) Well Volume / Foot (gal) (d^2x.0408): 1.92	Depth/Height of Top of PVC:
3) Height of H_2O Column (1-2) (ft): 11.80 ft.	6) Total Well Volume (gal) (3x5): 5.77 gallons	Pump Type: Peristaltic Pump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (mL/m)	pH (pH units)	Conductivity: (uS/cm)	Turbidity (ntu)	DO (ug/L)	Temperature (oC)	ORP (mV)
1421	8.35			6.82	.667	3.3	0	18.61	-83
1424	8.35			6.74	0.656	3.5	0	18.18	-82
1427	8.35			6.67	0.658	3.5	0	17.89	-71
1430	8.35			6.63	0.695	1.1	0	17.89	-38
1433	8.35			6.57	0.747	1.5	0	17.57	-12
1436	8.35			6.55	0.749	1.5	0	17.2	-7
1439	8.33			6.55	0.749	1.5	0	17.04	-3

Total Quantity of Water Removed (Gallons):	16.4	Sampling Time:	1440
Samplers:	James Charter	Split Sample With:	NA
Sampling Date:	7/12/2011	Sample Type:	

COMMENTS AND OBSERVATIONS:	

Appendix E

Analytical Results

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: MW-303(7/12/11)
Lab Order: U1107313
Collection Date: 7/12/2011 10:30:00 AM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-001
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624			**624_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
1,2-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
1,3-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
1,4-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
2-Chloroethyl vinyl ether	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
Acrolein	ND	50		µg/L	1	7/22/2011 1:26:00 PM
Acrylonitrile	ND	50		µg/L	1	7/22/2011 1:26:00 PM
Benzene	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
Bromoform	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
Bromomethane	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
Carbon tetrachloride	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
Chlorobenzene	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
Chloroethane	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
Chloroform	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
Chloromethane	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
Dichlorodifluoromethane	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
Ethylbenzene	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
m,p-Xylene	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
Methylene chloride	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
o-Xylene	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
Toluene	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
Trichloroethene	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
Trichlorofluoromethane	ND	3.0		µg/L	1	7/22/2011 1:26:00 PM
Vinyl chloride	ND	2.0		µg/L	1	7/22/2011 1:26:00 PM
TIC: unknown	6.4	0	B	µg/L	1	7/22/2011 1:26:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: MW-303(7/12/11)
Lab Order: U1107313
Collection Date: 7/12/2011 10:30:00 AM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-001
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL BY NYSDEC ASP 2005			**200.7WTASP**		**(E200.7)**	Analyst: **ALW**
Aluminum	ND	100		µg/L	1	8/10/2011 9:01:58 AM
Barium	193	50.0		µg/L	1	8/10/2011 9:01:58 AM
Beryllium	ND	3.00		µg/L	1	8/10/2011 9:01:58 AM
Cadmium	ND	5.00		µg/L	1	8/10/2011 9:01:58 AM
Calcium	97700	5000		µg/L	1	8/10/2011 9:01:58 AM
Chromium	ND	10.0		µg/L	1	8/10/2011 9:01:58 AM
Cobalt	ND	20.0		µg/L	1	8/10/2011 9:01:58 AM
Copper	ND	10.0		µg/L	1	8/10/2011 9:01:58 AM
Iron	92.3	60.0		µg/L	1	8/10/2011 9:01:58 AM
Magnesium	25600	5000		µg/L	1	8/10/2011 9:01:58 AM
Manganese	187	10.0		µg/L	1	8/10/2011 9:01:58 AM
Nickel	ND	30.0		µg/L	1	8/10/2011 9:01:58 AM
Potassium	ND	5000		µg/L	1	8/10/2011 9:01:58 AM
Silver	ND	10.0		µg/L	1	8/10/2011 9:01:58 AM
Sodium	ND	5000		µg/L	1	8/10/2011 9:01:58 AM
Vanadium	ND	30.0		µg/L	1	8/10/2011 9:01:58 AM
Zinc	ND	10.0		µg/L	1	8/10/2011 9:01:58 AM
ASP TOTAL METALS BY ICP-MS			**200.8ASP**		**(E200.8)**	Analyst: **ALW**
Antimony	ND	5.0		µg/L	1	8/10/2011 8:21:00 AM
Arsenic	ND	5.0		µg/L	1	8/10/2011 8:21:00 AM
Lead	ND	3.0		µg/L	1	8/10/2011 8:21:00 AM
Selenium	ND	3.0		µg/L	1	8/10/2011 8:21:00 AM
Thallium	ND	3.0		µg/L	1	8/10/2011 8:21:00 AM
TOTAL MERCURY WATERS ASP			**245.2WTASP**		**(E245.2)**	Analyst: **ALW**
Mercury	ND	0.200		µg/L	1	8/3/2011 10:57:00 AM
SEMIVOLATILE STARS LIST BY NYSDEC ASP 2005			**8270_ASPPET_W**		**(SW3520)**	Analyst: **LD**
Acenaphthene	ND	8.3		µg/L	1	8/2/2011 4:13:00 PM
Fluorene	ND	8.3		µg/L	1	8/2/2011 4:13:00 PM
Phenanthrene	ND	8.3		µg/L	1	8/2/2011 4:13:00 PM
Anthracene	ND	8.3		µg/L	1	8/2/2011 4:13:00 PM
Fluoranthene	ND	8.3		µg/L	1	8/2/2011 4:13:00 PM
Pyrene	ND	8.3		µg/L	1	8/2/2011 4:13:00 PM
Benz(a)anthracene	ND	8.3		µg/L	1	8/2/2011 4:13:00 PM
Chrysene	ND	8.3		µg/L	1	8/2/2011 4:13:00 PM
Benzo(b)fluoranthene	ND	8.3		µg/L	1	8/2/2011 4:13:00 PM
Benzo(k)fluoranthene	ND	8.3		µg/L	1	8/2/2011 4:13:00 PM
Benzo(a)pyrene	ND	8.3		µg/L	1	8/2/2011 4:13:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT:	HRP Engineering, P.C.	**Client Sample ID:**	MW-303(7/12/11)
Lab Order:	U1107313	**Collection Date:**	7/12/2011 10:30:00 AM
Project:	New9620.OM/N. Lawrence Oil Dump		
Lab ID:	U1107313-001	**Matrix:**	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE STARS LIST BY NYSDEC ASP 2005		**8270_ASPPET_W**			**(SW3520)**	Analyst: **LD**
Dibenz(a,h)anthracene	ND	8.3		µg/L	1	8/2/2011 4:13:00 PM
Benzo(g,h,i)perylene	ND	8.3		µg/L	1	8/2/2011 4:13:00 PM
Indeno(1,2,3-cd)pyrene	ND	8.3		µg/L	1	8/2/2011 4:13:00 PM
TIC: unknown (13.22)	160	0	B	µg/L	1	8/2/2011 4:13:00 PM
TIC: unknown (13.31)	200	0		µg/L	1	8/2/2011 4:13:00 PM
TIC: unknown (13.42)	130	0		µg/L	1	8/2/2011 4:13:00 PM
TIC: unknown (13.76)	360	0		µg/L	1	8/2/2011 4:13:00 PM
TIC: unknown (13.91)	840	0	B	µg/L	1	8/2/2011 4:13:00 PM
TIC: unknown (14.09)	140	0		µg/L	1	8/2/2011 4:13:00 PM
TIC: unknown (14.35)	92	0		µg/L	1	8/2/2011 4:13:00 PM
TIC: unknown (14.68)	250	0	B	µg/L	1	8/2/2011 4:13:00 PM
TIC: unknown (14.85)	620	0		µg/L	1	8/2/2011 4:13:00 PM
TIC: unknown (15.83)	370	0	B	µg/L	1	8/2/2011 4:13:00 PM
TIC: unknown (15.91)	140	0		µg/L	1	8/2/2011 4:13:00 PM
TIC: unknown (16.04)	120	0		µg/L	1	8/2/2011 4:13:00 PM
TIC: unknown (16.45)	160	0		µg/L	1	8/2/2011 4:13:00 PM
TIC: unknown (16.75)	160	0		µg/L	1	8/2/2011 4:13:00 PM
TIC: unknown (16.86)	130	0		µg/L	1	8/2/2011 4:13:00 PM
TIC: unknown (17.36)	120	0		µg/L	1	8/2/2011 4:13:00 PM
TIC: unknown (17.59)	190	0		µg/L	1	8/2/2011 4:13:00 PM
TIC: unknown (17.85)	990	0	B	µg/L	1	8/2/2011 4:13:00 PM
TIC: unknown (18.12)	100	0		µg/L	1	8/2/2011 4:13:00 PM
TIC: unknown (18.31)	120	0		µg/L	1	8/2/2011 4:13:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: MW-102A(7/12/11)
Lab Order: U1107313
Collection Date: 7/12/2011 10:45:00 AM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-002
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624			**624_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
1,2-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
1,3-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
1,4-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
2-Chloroethyl vinyl ether	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
Acrolein	ND	50		µg/L	1	7/22/2011 3:29:00 PM
Acrylonitrile	ND	50		µg/L	1	7/22/2011 3:29:00 PM
Benzene	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
Bromoform	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
Bromomethane	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
Carbon tetrachloride	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
Chlorobenzene	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
Chloroethane	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
Chloroform	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
Chloromethane	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
Dichlorodifluoromethane	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
Ethylbenzene	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
m,p-Xylene	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
Methylene chloride	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
o-Xylene	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
Toluene	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
Trichloroethene	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
Trichlorofluoromethane	ND	3.0		µg/L	1	7/22/2011 3:29:00 PM
Vinyl chloride	ND	2.0		µg/L	1	7/22/2011 3:29:00 PM
TIC: unknown	7.4	0	B	µg/L	1	7/22/2011 3:29:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: MW-102A(7/12/11)
Lab Order: U1107313
Collection Date: 7/12/2011 10:45:00 AM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-002
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL BY NYSDEC ASP 2005			**200.7WTASP**		**(E200.7)**	Analyst: **ALW**
Aluminum	ND	100		µg/L	1	8/10/2011 9:19:41 AM
Barium	121	50.0		µg/L	1	8/10/2011 9:19:41 AM
Beryllium	ND	3.00		µg/L	1	8/10/2011 9:19:41 AM
Cadmium	ND	5.00		µg/L	1	8/10/2011 9:19:41 AM
Calcium	62700	5000		µg/L	1	8/10/2011 9:19:41 AM
Chromium	ND	10.0		µg/L	1	8/10/2011 9:19:41 AM
Cobalt	ND	20.0		µg/L	1	8/10/2011 9:19:41 AM
Copper	ND	10.0		µg/L	1	8/10/2011 9:19:41 AM
Iron	1300	60.0		µg/L	1	8/10/2011 9:19:41 AM
Magnesium	29200	5000		µg/L	1	8/10/2011 9:19:41 AM
Manganese	42.2	10.0		µg/L	1	8/10/2011 9:19:41 AM
Nickel	ND	30.0		µg/L	1	8/10/2011 9:19:41 AM
Potassium	ND	5000		µg/L	1	8/10/2011 9:19:41 AM
Silver	ND	10.0		µg/L	1	8/10/2011 9:19:41 AM
Sodium	ND	5000		µg/L	1	8/10/2011 9:19:41 AM
Vanadium	ND	30.0		µg/L	1	8/10/2011 9:19:41 AM
Zinc	ND	10.0		µg/L	1	8/10/2011 9:19:41 AM
ASP TOTAL METALS BY ICP-MS			**200.8ASP**		**(E200.8)**	Analyst: **ALW**
Antimony	ND	5.0		µg/L	1	8/10/2011 8:21:00 AM
Arsenic	ND	5.0		µg/L	1	8/10/2011 8:21:00 AM
Lead	ND	3.0		µg/L	1	8/10/2011 8:21:00 AM
Selenium	ND	3.0		µg/L	1	8/10/2011 8:21:00 AM
Thallium	ND	3.0		µg/L	1	8/10/2011 8:21:00 AM
TOTAL MERCURY WATERS ASP			**245.2WTASP**		**(E245.2)**	Analyst: **ALW**
Mercury	ND	0.200		µg/L	1	8/3/2011 10:57:00 AM
SEMIVOLATILE STARS LIST BY NYSDEC ASP 2005			**8270_ASPPET_W**		**(SW3520)**	Analyst: **LD**
Acenaphthene	ND	5.0		µg/L	1	8/2/2011 5:25:00 PM
Fluorene	ND	5.0		µg/L	1	8/2/2011 5:25:00 PM
Phenanthrene	ND	5.0		µg/L	1	8/2/2011 5:25:00 PM
Anthracene	ND	5.0		µg/L	1	8/2/2011 5:25:00 PM
Fluoranthene	ND	5.0		µg/L	1	8/2/2011 5:25:00 PM
Pyrene	ND	5.0		µg/L	1	8/2/2011 5:25:00 PM
Benz(a)anthracene	ND	5.0		µg/L	1	8/2/2011 5:25:00 PM
Chrysene	ND	5.0		µg/L	1	8/2/2011 5:25:00 PM
Benzo(b)fluoranthene	ND	5.0		µg/L	1	8/2/2011 5:25:00 PM
Benzo(k)fluoranthene	ND	5.0		µg/L	1	8/2/2011 5:25:00 PM
Benzo(a)pyrene	ND	5.0		µg/L	1	8/2/2011 5:25:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: MW-102A(7/12/11)
Lab Order: U1107313
Collection Date: 7/12/2011 10:45:00 AM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-002
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE STARS LIST BY NYSDEC ASP 2005		**8270_ASPPET_W**			**(SW3520)**	Analyst: **LD**
Dibenz(a,h)anthracene	ND	5.0		µg/L	1	8/2/2011 5:25:00 PM
Benzo(g,h,i)perylene	ND	5.0		µg/L	1	8/2/2011 5:25:00 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/L	1	8/2/2011 5:25:00 PM
TIC: unknown (13.08)	64	0		µg/L	1	8/2/2011 5:25:00 PM
TIC: unknown (13.23)	50	0		µg/L	1	8/2/2011 5:25:00 PM
TIC: unknown (13.33)	120	0		µg/L	1	8/2/2011 5:25:00 PM
TIC: unknown (13.42)	69	0		µg/L	1	8/2/2011 5:25:00 PM
TIC: unknown (13.67)	52	0		µg/L	1	8/2/2011 5:25:00 PM
TIC: unknown (13.77)	350	0	B	µg/L	1	8/2/2011 5:25:00 PM
TIC: unknown (13.92)	200	0		µg/L	1	8/2/2011 5:25:00 PM
TIC: unknown (14.11)	86	0	B	µg/L	1	8/2/2011 5:25:00 PM
TIC: unknown (14.26)	60	0		µg/L	1	8/2/2011 5:25:00 PM
TIC: unknown (14.3)	53	0		µg/L	1	8/2/2011 5:25:00 PM
TIC: unknown (14.45)	50	0		µg/L	1	8/2/2011 5:25:00 PM
TIC: unknown (14.69)	140	0		µg/L	1	8/2/2011 5:25:00 PM
TIC: unknown (14.82)	46	0		µg/L	1	8/2/2011 5:25:00 PM
TIC: unknown (15.02)	59	0		µg/L	1	8/2/2011 5:25:00 PM
TIC: unknown (15.39)	63	0		µg/L	1	8/2/2011 5:25:00 PM
TIC: unknown (16.03)	50	0		µg/L	1	8/2/2011 5:25:00 PM
TIC: unknown (17.18)	50	0		µg/L	1	8/2/2011 5:25:00 PM
TIC: unknown (17.28)	160	0		µg/L	1	8/2/2011 5:25:00 PM
TIC: unknown (17.38)	44	0		µg/L	1	8/2/2011 5:25:00 PM
TIC: unknown (17.85)	650	0	B	µg/L	1	8/2/2011 5:25:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: Duplicate
Lab Order: U1107313
Collection Date: 7/12/2011
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-003
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624			**624_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
1,2-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
1,3-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
1,4-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
2-Chloroethyl vinyl ether	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
Acrolein	ND	50		µg/L	1	7/22/2011 4:10:00 PM
Acrylonitrile	ND	50		µg/L	1	7/22/2011 4:10:00 PM
Benzene	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
Bromoform	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
Bromomethane	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
Carbon tetrachloride	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
Chlorobenzene	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
Chloroethane	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
Chloroform	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
Chloromethane	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
cis-1,2-Dichloroethene	14	3.0		µg/L	1	7/22/2011 4:10:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
Dichlorodifluoromethane	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
Ethylbenzene	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
m,p-Xylene	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
Methylene chloride	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
o-Xylene	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
Toluene	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
Trichloroethene	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
Trichlorofluoromethane	ND	3.0		µg/L	1	7/22/2011 4:10:00 PM
Vinyl chloride	ND	2.0		µg/L	1	7/22/2011 4:10:00 PM
TIC: unknown	4.7	0	B	µg/L	1	7/22/2011 4:10:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: Duplicate
Lab Order: U1107313
Collection Date: 7/12/2011
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-003
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL BY NYSDEC ASP 2005			**200.7WTASP**		**(E200.7)**	Analyst: **ALW**
Aluminum	ND	100		µg/L	1	8/10/2011 9:25:57 AM
Barium	526	50.0		µg/L	1	8/10/2011 9:25:57 AM
Beryllium	ND	3.00		µg/L	1	8/10/2011 9:25:57 AM
Cadmium	ND	5.00		µg/L	1	8/10/2011 9:25:57 AM
Calcium	72800	5000		µg/L	1	8/10/2011 9:25:57 AM
Chromium	ND	10.0		µg/L	1	8/10/2011 9:25:57 AM
Cobalt	ND	20.0		µg/L	1	8/10/2011 9:25:57 AM
Copper	ND	10.0		µg/L	1	8/10/2011 9:25:57 AM
Iron	1320	60.0		µg/L	1	8/10/2011 9:25:57 AM
Magnesium	28200	5000		µg/L	1	8/10/2011 9:25:57 AM
Manganese	230	10.0		µg/L	1	8/10/2011 9:25:57 AM
Nickel	ND	30.0		µg/L	1	8/10/2011 9:25:57 AM
Potassium	ND	5000		µg/L	1	8/10/2011 9:25:57 AM
Silver	ND	10.0		µg/L	1	8/10/2011 9:25:57 AM
Sodium	17700	5000		µg/L	1	8/10/2011 9:25:57 AM
Vanadium	ND	30.0		µg/L	1	8/10/2011 9:25:57 AM
Zinc	ND	10.0		µg/L	1	8/10/2011 9:25:57 AM
ASP TOTAL METALS BY ICP-MS			**200.8ASP**		**(E200.8)**	Analyst: **ALW**
Antimony	ND	5.0		µg/L	1	8/10/2011 8:21:00 AM
Arsenic	ND	5.0		µg/L	1	8/10/2011 8:21:00 AM
Lead	ND	3.0		µg/L	1	8/10/2011 8:21:00 AM
Selenium	ND	3.0		µg/L	1	8/10/2011 8:21:00 AM
Thallium	ND	3.0		µg/L	1	8/10/2011 8:21:00 AM
TOTAL MERCURY WATERS ASP			**245.2WTASP**		**(E245.2)**	Analyst: **ALW**
Mercury	ND	0.200		µg/L	1	8/3/2011 10:57:00 AM
SEMIVOLATILE STARS LIST BY NYSDEC ASP 2005			**8270_ASPPET_W**		**(SW3520)**	Analyst: **LD**
Acenaphthene	ND	5.0		µg/L	1	8/2/2011 5:49:00 PM
Fluorene	ND	5.0		µg/L	1	8/2/2011 5:49:00 PM
Phenanthrene	ND	5.0		µg/L	1	8/2/2011 5:49:00 PM
Anthracene	ND	5.0		µg/L	1	8/2/2011 5:49:00 PM
Fluoranthene	ND	5.0		µg/L	1	8/2/2011 5:49:00 PM
Pyrene	ND	5.0		µg/L	1	8/2/2011 5:49:00 PM
Benz(a)anthracene	ND	5.0		µg/L	1	8/2/2011 5:49:00 PM
Chrysene	ND	5.0		µg/L	1	8/2/2011 5:49:00 PM
Benzo(b)fluoranthene	ND	5.0		µg/L	1	8/2/2011 5:49:00 PM
Benzo(k)fluoranthene	ND	5.0		µg/L	1	8/2/2011 5:49:00 PM
Benzo(a)pyrene	ND	5.0		µg/L	1	8/2/2011 5:49:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: Duplicate
Lab Order: U1107313
Collection Date: 7/12/2011
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-003
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE STARS LIST BY NYSDEC ASP 2005		**8270_ASPPET_W**		**(SW3520)**		Analyst: LD
Dibenz(a,h)anthracene	ND	5.0		µg/L	1	8/2/2011 5:49:00 PM
Benzo(g,h,i)perylene	ND	5.0		µg/L	1	8/2/2011 5:49:00 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/L	1	8/2/2011 5:49:00 PM
TIC: Docosane	410	0		µg/L	1	8/2/2011 5:49:00 PM
TIC: Pentacosane	370	0		µg/L	1	8/2/2011 5:49:00 PM
TIC: unknown (13.46)	43	0		µg/L	1	8/2/2011 5:49:00 PM
TIC: unknown (13.64)	32	0		µg/L	1	8/2/2011 5:49:00 PM
TIC: unknown (13.77)	210	0	B	µg/L	1	8/2/2011 5:49:00 PM
TIC: unknown (14.07)	46	0		µg/L	1	8/2/2011 5:49:00 PM
TIC: unknown (14.11)	26	0	B	µg/L	1	8/2/2011 5:49:00 PM
TIC: unknown (14.27)	30	0		µg/L	1	8/2/2011 5:49:00 PM
TIC: unknown (14.69)	210	0		µg/L	1	8/2/2011 5:49:00 PM
TIC: unknown (15.24)	38	0		µg/L	1	8/2/2011 5:49:00 PM
TIC: unknown (15.49)	92	0		µg/L	1	8/2/2011 5:49:00 PM
TIC: unknown (15.85)	33	0		µg/L	1	8/2/2011 5:49:00 PM
TIC: unknown (16.04)	29	0		µg/L	1	8/2/2011 5:49:00 PM
TIC: unknown (16.33)	38	0		µg/L	1	8/2/2011 5:49:00 PM
TIC: unknown (16.81)	25	0		µg/L	1	8/2/2011 5:49:00 PM
TIC: unknown (16.95)	27	0		µg/L	1	8/2/2011 5:49:00 PM
TIC: unknown (17.42)	27	0		µg/L	1	8/2/2011 5:49:00 PM
TIC: unknown (17.6)	26	0		µg/L	1	8/2/2011 5:49:00 PM
TIC: unknown (17.85)	280	0	B	µg/L	1	8/2/2011 5:49:00 PM
TIC: unknown (18.38)	27	0		µg/L	1	8/2/2011 5:49:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: MW-301(7/12/11)
Lab Order: U1107313
Collection Date: 7/12/2011 12:04:00 PM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-004
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624			**624_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
1,2-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
1,3-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
1,4-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
2-Chloroethyl vinyl ether	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
Acrolein	ND	50		µg/L	1	7/22/2011 4:52:00 PM
Acrylonitrile	ND	50		µg/L	1	7/22/2011 4:52:00 PM
Benzene	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
Bromoform	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
Bromomethane	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
Carbon tetrachloride	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
Chlorobenzene	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
Chloroethane	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
Chloroform	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
Chloromethane	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
cis-1,2-Dichloroethene	15	3.0		µg/L	1	7/22/2011 4:52:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
Dichlorodifluoromethane	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
Ethylbenzene	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
m,p-Xylene	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
Methylene chloride	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
o-Xylene	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
Toluene	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
Trichloroethene	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
Trichlorofluoromethane	ND	3.0		µg/L	1	7/22/2011 4:52:00 PM
Vinyl chloride	ND	2.0		µg/L	1	7/22/2011 4:52:00 PM
TIC: unknown	4.1	0	B	µg/L	1	7/22/2011 4:52:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: MW-301(7/12/11)
Lab Order: U1107313
Collection Date: 7/12/2011 12:04:00 PM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-004
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL BY NYSDEC ASP 2005			**200.7WTASP**		**(E200.7)**	Analyst: **ALW**
Aluminum	ND	100		µg/L	1	8/10/2011 9:32:04 AM
Barium	525	50.0		µg/L	1	8/10/2011 9:32:04 AM
Beryllium	ND	3.00		µg/L	1	8/10/2011 9:32:04 AM
Cadmium	ND	5.00		µg/L	1	8/10/2011 9:32:04 AM
Calcium	72100	5000		µg/L	1	8/10/2011 9:32:04 AM
Chromium	ND	10.0		µg/L	1	8/10/2011 9:32:04 AM
Cobalt	ND	20.0		µg/L	1	8/10/2011 9:32:04 AM
Copper	ND	10.0		µg/L	1	8/10/2011 9:32:04 AM
Iron	1380	60.0		µg/L	1	8/10/2011 9:32:04 AM
Magnesium	28300	5000		µg/L	1	8/10/2011 9:32:04 AM
Manganese	227	10.0		µg/L	1	8/10/2011 9:32:04 AM
Nickel	ND	30.0		µg/L	1	8/10/2011 9:32:04 AM
Potassium	ND	5000		µg/L	1	8/10/2011 9:32:04 AM
Silver	ND	10.0		µg/L	1	8/10/2011 9:32:04 AM
Sodium	17800	5000		µg/L	1	8/10/2011 9:32:04 AM
Vanadium	ND	30.0		µg/L	1	8/10/2011 9:32:04 AM
Zinc	ND	10.0		µg/L	1	8/10/2011 9:32:04 AM
ASP TOTAL METALS BY ICP-MS			**200.8ASP**		**(E200.8)**	Analyst: **ALW**
Antimony	ND	5.0		µg/L	1	8/10/2011 8:21:00 AM
Arsenic	ND	5.0		µg/L	1	8/10/2011 8:21:00 AM
Lead	ND	3.0		µg/L	1	8/10/2011 8:21:00 AM
Selenium	ND	3.0		µg/L	1	8/10/2011 8:21:00 AM
Thallium	ND	3.0		µg/L	1	8/10/2011 8:21:00 AM
TOTAL MERCURY WATERS ASP			**245.2WTASP**		**(E245.2)**	Analyst: **ALW**
Mercury	ND	0.200		µg/L	1	8/3/2011 10:57:00 AM
SEMIVOLATILE STARS LIST BY NYSDEC ASP 2005			**8270_ASPPET_W**		**(SW3520)**	Analyst: **LD**
Acenaphthene	ND	5.0		µg/L	1	8/2/2011 6:13:00 PM
Fluorene	ND	5.0		µg/L	1	8/2/2011 6:13:00 PM
Phenanthrene	ND	5.0		µg/L	1	8/2/2011 6:13:00 PM
Anthracene	ND	5.0		µg/L	1	8/2/2011 6:13:00 PM
Fluoranthene	ND	5.0		µg/L	1	8/2/2011 6:13:00 PM
Pyrene	ND	5.0		µg/L	1	8/2/2011 6:13:00 PM
Benz(a)anthracene	ND	5.0		µg/L	1	8/2/2011 6:13:00 PM
Chrysene	ND	5.0		µg/L	1	8/2/2011 6:13:00 PM
Benzo(b)fluoranthene	ND	5.0		µg/L	1	8/2/2011 6:13:00 PM
Benzo(k)fluoranthene	ND	5.0		µg/L	1	8/2/2011 6:13:00 PM
Benzo(a)pyrene	ND	5.0		µg/L	1	8/2/2011 6:13:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT:	HRP Engineering, P.C.	**Client Sample ID:**	MW-301(7/12/11)
Lab Order:	U1107313	**Collection Date:**	7/12/2011 12:04:00 PM
Project:	New9620.OM/N. Lawrence Oil Dump		
Lab ID:	U1107313-004	**Matrix:**	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE STARS LIST BY NYSDEC ASP 2005		**8270_ASPPET_W**			**(SW3520)**	Analyst: **LD**
Dibenz(a,h)anthracene	ND	5.0		µg/L	1	8/2/2011 6:13:00 PM
Benzo(g,h,i)perylene	ND	5.0		µg/L	1	8/2/2011 6:13:00 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/L	1	8/2/2011 6:13:00 PM
TIC: unknown (13.09)	20	0		µg/L	1	8/2/2011 6:13:00 PM
TIC: unknown (13.22)	49	0	B	µg/L	1	8/2/2011 6:13:00 PM
TIC: unknown (13.34)	48	0		µg/L	1	8/2/2011 6:13:00 PM
TIC: unknown (13.45)	47	0		µg/L	1	8/2/2011 6:13:00 PM
TIC: unknown (13.77)	150	0	B	µg/L	1	8/2/2011 6:13:00 PM
TIC: unknown (13.91)	130	0	B	µg/L	1	8/2/2011 6:13:00 PM
TIC: unknown (14.11)	31	0	B	µg/L	1	8/2/2011 6:13:00 PM
TIC: unknown (14.4)	19	0		µg/L	1	8/2/2011 6:13:00 PM
TIC: unknown (14.69)	26	0		µg/L	1	8/2/2011 6:13:00 PM
TIC: unknown (14.93)	60	0		µg/L	1	8/2/2011 6:13:00 PM
TIC: unknown (15.65)	27	0		µg/L	1	8/2/2011 6:13:00 PM
TIC: unknown (15.71)	29	0		µg/L	1	8/2/2011 6:13:00 PM
TIC: unknown (15.95)	23	0		µg/L	1	8/2/2011 6:13:00 PM
TIC: unknown (16.47)	21	0		µg/L	1	8/2/2011 6:13:00 PM
TIC: unknown (16.6)	30	0		µg/L	1	8/2/2011 6:13:00 PM
TIC: unknown (17.46)	24	0		µg/L	1	8/2/2011 6:13:00 PM
TIC: unknown (17.85)	170	0	B	µg/L	1	8/2/2011 6:13:00 PM
TIC: unknown (18.07)	30	0		µg/L	1	8/2/2011 6:13:00 PM
TIC: unknown (18.24)	26	0		µg/L	1	8/2/2011 6:13:00 PM
TIC: unknown (18.41)	36	0		µg/L	1	8/2/2011 6:13:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT:	HRP Engineering, P.C.	**Client Sample ID:**	MW-102B(7/12/11)
Lab Order:	U1107313	**Collection Date:**	7/12/2011 12:35:00 PM
Project:	New9620.OM/N. Lawrence Oil Dump		
Lab ID:	U1107313-005	**Matrix:**	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624			**624_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
1,2-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
1,3-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
1,4-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
2-Chloroethyl vinyl ether	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
Acrolein	ND	50		µg/L	1	7/22/2011 5:33:00 PM
Acrylonitrile	ND	50		µg/L	1	7/22/2011 5:33:00 PM
Benzene	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
Bromoform	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
Bromomethane	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
Carbon tetrachloride	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
Chlorobenzene	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
Chloroethane	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
Chloroform	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
Chloromethane	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
Dichlorodifluoromethane	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
Ethylbenzene	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
m,p-Xylene	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
Methylene chloride	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
o-Xylene	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
Toluene	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
Trichloroethene	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
Trichlorofluoromethane	ND	3.0		µg/L	1	7/22/2011 5:33:00 PM
Vinyl chloride	ND	2.0		µg/L	1	7/22/2011 5:33:00 PM
TIC: Disulfide, dimethyl	2.7	0		µg/L	1	7/22/2011 5:33:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: MW-102B(7/12/11)
Lab Order: U1107313
Collection Date: 7/12/2011 12:35:00 PM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-005
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL BY NYSDEC ASP 2005			**200.7WTASP**		**(E200.7)**	Analyst: **ALW**
Aluminum	ND	100		µg/L	1	8/10/2011 9:38:20 AM
Barium	51.2	50.0		µg/L	1	8/10/2011 9:38:20 AM
Beryllium	ND	3.00		µg/L	1	8/10/2011 9:38:20 AM
Cadmium	ND	5.00		µg/L	1	8/10/2011 9:38:20 AM
Calcium	51400	5000		µg/L	1	8/10/2011 9:38:20 AM
Chromium	ND	10.0		µg/L	1	8/10/2011 9:38:20 AM
Cobalt	ND	20.0		µg/L	1	8/10/2011 9:38:20 AM
Copper	ND	10.0		µg/L	1	8/10/2011 9:38:20 AM
Iron	811	60.0		µg/L	1	8/10/2011 9:38:20 AM
Magnesium	21800	5000		µg/L	1	8/10/2011 9:38:20 AM
Manganese	171	10.0		µg/L	1	8/10/2011 9:38:20 AM
Nickel	ND	30.0		µg/L	1	8/10/2011 9:38:20 AM
Potassium	ND	5000		µg/L	1	8/10/2011 9:38:20 AM
Silver	ND	10.0		µg/L	1	8/10/2011 9:38:20 AM
Sodium	ND	5000		µg/L	1	8/10/2011 9:38:20 AM
Vanadium	ND	30.0		µg/L	1	8/10/2011 9:38:20 AM
Zinc	ND	10.0		µg/L	1	8/10/2011 9:38:20 AM
ASP TOTAL METALS BY ICP-MS			**200.8ASP**		**(E200.8)**	Analyst: **ALW**
Antimony	ND	5.0		µg/L	1	8/10/2011 8:21:00 AM
Arsenic	ND	5.0		µg/L	1	8/10/2011 8:21:00 AM
Lead	ND	3.0		µg/L	1	8/10/2011 8:21:00 AM
Selenium	ND	3.0		µg/L	1	8/10/2011 8:21:00 AM
Thallium	ND	3.0		µg/L	1	8/10/2011 8:21:00 AM
TOTAL MERCURY WATERS ASP			**245.2WTASP**		**(E245.2)**	Analyst: **ALW**
Mercury	ND	0.200		µg/L	1	8/3/2011 10:57:00 AM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: PZ-5(7/12/11)
Lab Order: U1107313
Collection Date: 7/12/2011 1:52:00 PM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-006
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624			**624_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
1,2-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
1,3-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
1,4-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
2-Chloroethyl vinyl ether	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
Acrolein	ND	50		µg/L	1	7/22/2011 6:14:00 PM
Acrylonitrile	ND	50		µg/L	1	7/22/2011 6:14:00 PM
Benzene	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
Bromoform	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
Bromomethane	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
Carbon tetrachloride	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
Chlorobenzene	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
Chloroethane	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
Chloroform	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
Chloromethane	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
Dichlorodifluoromethane	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
Ethylbenzene	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
m,p-Xylene	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
Methylene chloride	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
o-Xylene	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
Toluene	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
Trichloroethene	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
Trichlorofluoromethane	ND	3.0		µg/L	1	7/22/2011 6:14:00 PM
Vinyl chloride	ND	2.0		µg/L	1	7/22/2011 6:14:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: MW-302(7/12/11)
Lab Order: U1107313
Collection Date: 7/12/2011 2:22:00 PM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-007
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624			**624_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
1,2-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
1,3-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
1,4-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
2-Chloroethyl vinyl ether	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
Acrolein	ND	50		µg/L	1	7/22/2011 6:55:00 PM
Acrylonitrile	ND	50		µg/L	1	7/22/2011 6:55:00 PM
Benzene	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
Bromoform	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
Bromomethane	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
Carbon tetrachloride	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
Chlorobenzene	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
Chloroethane	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
Chloroform	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
Chloromethane	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
cis-1,2-Dichloroethene	2	3.0	J	µg/L	1	7/22/2011 6:55:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
Dichlorodifluoromethane	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
Ethylbenzene	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
m,p-Xylene	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
Methylene chloride	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
o-Xylene	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
Toluene	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
Trichloroethene	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
Trichlorofluoromethane	ND	3.0		µg/L	1	7/22/2011 6:55:00 PM
Vinyl chloride	ND	2.0		µg/L	1	7/22/2011 6:55:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: MW-302(7/12/11)
Lab Order: U1107313
Collection Date: 7/12/2011 2:22:00 PM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-007
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL BY NYSDEC ASP 2005			**200.7WTASP**		**(E200.7)**	Analyst: **ALW**
Aluminum	111	100		µg/L	1	8/10/2011 9:44:37 AM
Barium	615	50.0		µg/L	1	8/10/2011 9:44:37 AM
Beryllium	ND	3.00		µg/L	1	8/10/2011 9:44:37 AM
Cadmium	ND	5.00		µg/L	1	8/10/2011 9:44:37 AM
Calcium	84800	5000		µg/L	1	8/10/2011 9:44:37 AM
Chromium	ND	10.0		µg/L	1	8/10/2011 9:44:37 AM
Cobalt	ND	20.0		µg/L	1	8/10/2011 9:44:37 AM
Copper	ND	10.0		µg/L	1	8/10/2011 9:44:37 AM
Iron	4070	60.0		µg/L	1	8/10/2011 9:44:37 AM
Magnesium	25200	5000		µg/L	1	8/10/2011 9:44:37 AM
Manganese	653	10.0		µg/L	1	8/10/2011 9:44:37 AM
Nickel	ND	30.0		µg/L	1	8/10/2011 9:44:37 AM
Potassium	ND	5000		µg/L	1	8/10/2011 9:44:37 AM
Silver	ND	10.0		µg/L	1	8/10/2011 9:44:37 AM
Sodium	ND	5000		µg/L	1	8/10/2011 9:44:37 AM
Vanadium	ND	30.0		µg/L	1	8/10/2011 9:44:37 AM
Zinc	ND	10.0		µg/L	1	8/10/2011 9:44:37 AM
ASP TOTAL METALS BY ICP-MS			**200.8ASP**		**(E200.8)**	Analyst: **ALW**
Antimony	ND	5.0		µg/L	1	8/10/2011 8:21:00 AM
Arsenic	ND	5.0		µg/L	1	8/10/2011 8:21:00 AM
Lead	ND	3.0		µg/L	1	8/10/2011 8:21:00 AM
Selenium	ND	3.0		µg/L	1	8/10/2011 8:21:00 AM
Thallium	ND	3.0		µg/L	1	8/10/2011 8:21:00 AM
TOTAL MERCURY WATERS ASP			**245.2WTASP**		**(E245.2)**	Analyst: **ALW**
Mercury	ND	0.200		µg/L	1	8/3/2011 10:57:00 AM
SEMIVOLATILE STARS LIST BY NYSDEC ASP 2005			**8270_ASPPET_W**		**(SW3520)**	Analyst: **LD**
Acenaphthene	ND	5.0		µg/L	1	8/2/2011 6:37:00 PM
Fluorene	ND	5.0		µg/L	1	8/2/2011 6:37:00 PM
Phenanthrene	ND	5.0		µg/L	1	8/2/2011 6:37:00 PM
Anthracene	ND	5.0		µg/L	1	8/2/2011 6:37:00 PM
Fluoranthene	ND	5.0		µg/L	1	8/2/2011 6:37:00 PM
Pyrene	ND	5.0		µg/L	1	8/2/2011 6:37:00 PM
Benz(a)anthracene	ND	5.0		µg/L	1	8/2/2011 6:37:00 PM
Chrysene	ND	5.0		µg/L	1	8/2/2011 6:37:00 PM
Benzo(b)fluoranthene	ND	5.0		µg/L	1	8/2/2011 6:37:00 PM
Benzo(k)fluoranthene	ND	5.0		µg/L	1	8/2/2011 6:37:00 PM
Benzo(a)pyrene	ND	5.0		µg/L	1	8/2/2011 6:37:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: MW-302(7/12/11)
Lab Order: U1107313
Collection Date: 7/12/2011 2:22:00 PM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-007
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE STARS LIST BY NYSDEC ASP 2005		**8270_ASPPET_W**		**(SW3520)**		Analyst: **LD**
Dibenz(a,h)anthracene	ND	5.0		µg/L	1	8/2/2011 6:37:00 PM
Benzo(g,h,i)perylene	ND	5.0		µg/L	1	8/2/2011 6:37:00 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/L	1	8/2/2011 6:37:00 PM
TIC: unknown (13.07)	20	0		µg/L	1	8/2/2011 6:37:00 PM
TIC: unknown (13.22)	38	0	B	µg/L	1	8/2/2011 6:37:00 PM
TIC: unknown (13.31)	10	0		µg/L	1	8/2/2011 6:37:00 PM
TIC: unknown (13.5)	10	0		µg/L	1	8/2/2011 6:37:00 PM
TIC: unknown (13.62)	7.8	0		µg/L	1	8/2/2011 6:37:00 PM
TIC: unknown (13.76)	87	0		µg/L	1	8/2/2011 6:37:00 PM
TIC: unknown (13.91)	59	0	B	µg/L	1	8/2/2011 6:37:00 PM
TIC: unknown (14.06)	11	0		µg/L	1	8/2/2011 6:37:00 PM
TIC: unknown (14.46)	20	0	B	µg/L	1	8/2/2011 6:37:00 PM
TIC: unknown (14.69)	24	0		µg/L	1	8/2/2011 6:37:00 PM
TIC: unknown (14.83)	10	0		µg/L	1	8/2/2011 6:37:00 PM
TIC: unknown (15.02)	8.0	0		µg/L	1	8/2/2011 6:37:00 PM
TIC: unknown (15.5)	13	0		µg/L	1	8/2/2011 6:37:00 PM
TIC: unknown (16.08)	11	0		µg/L	1	8/2/2011 6:37:00 PM
TIC: unknown (16.56)	8.4	0		µg/L	1	8/2/2011 6:37:00 PM
TIC: unknown (17.1)	7.8	0		µg/L	1	8/2/2011 6:37:00 PM
TIC: unknown (17.17)	15	0		µg/L	1	8/2/2011 6:37:00 PM
TIC: unknown (17.56)	11	0		µg/L	1	8/2/2011 6:37:00 PM
TIC: unknown (17.84)	140	0		µg/L	1	8/2/2011 6:37:00 PM
TIC: unknown (18.1)	8.9	0		µg/L	1	8/2/2011 6:37:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: MW-203(7/12/11)
Lab Order: U1107313
Collection Date: 7/12/2011 2:40:00 PM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-008
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624				**624_W**		Analyst: **EMZ**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
1,2-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
1,3-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
1,4-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
2-Chloroethyl vinyl ether	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
Acrolein	ND	50		µg/L	1	7/22/2011 7:36:00 PM
Acrylonitrile	ND	50		µg/L	1	7/22/2011 7:36:00 PM
Benzene	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
Bromoform	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
Bromomethane	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
Carbon tetrachloride	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
Chlorobenzene	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
Chloroethane	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
Chloroform	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
Chloromethane	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
Dichlorodifluoromethane	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
Ethylbenzene	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
m,p-Xylene	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
Methylene chloride	2	3.0	J	µg/L	1	7/22/2011 7:36:00 PM
o-Xylene	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
Toluene	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
Trichloroethene	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
Trichlorofluoromethane	ND	3.0		µg/L	1	7/22/2011 7:36:00 PM
Vinyl chloride	ND	2.0		µg/L	1	7/22/2011 7:36:00 PM
TIC: unknown	3.5	0	B	µg/L	1	7/22/2011 7:36:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: PZ-4(7/12/11)
Lab Order: U1107313
Collection Date: 7/12/2011 3:15:00 PM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-009
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624			**624_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
1,2-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
1,3-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
1,4-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
2-Chloroethyl vinyl ether	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
Acrolein	ND	50		µg/L	1	7/22/2011 8:17:00 PM
Acrylonitrile	ND	50		µg/L	1	7/22/2011 8:17:00 PM
Benzene	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
Bromoform	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
Bromomethane	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
Carbon tetrachloride	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
Chlorobenzene	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
Chloroethane	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
Chloroform	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
Chloromethane	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
Dichlorodifluoromethane	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
Ethylbenzene	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
m,p-Xylene	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
Methylene chloride	12	3.0		µg/L	1	7/22/2011 8:17:00 PM
o-Xylene	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
Toluene	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
Trichloroethene	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
Trichlorofluoromethane	ND	3.0		µg/L	1	7/22/2011 8:17:00 PM
Vinyl chloride	ND	2.0		µg/L	1	7/22/2011 8:17:00 PM
TIC: unknown	4.3	0	B	µg/L	1	7/22/2011 8:17:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: MW-103(7/12/11)
Lab Order: U1107313
Collection Date: 7/12/2011 3:25:00 PM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-010
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624			**624_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
1,2-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
1,3-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
1,4-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
2-Chloroethyl vinyl ether	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
Acrolein	ND	50		µg/L	1	7/22/2011 8:58:00 PM
Acrylonitrile	ND	50		µg/L	1	7/22/2011 8:58:00 PM
Benzene	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
Bromoform	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
Bromomethane	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
Carbon tetrachloride	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
Chlorobenzene	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
Chloroethane	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
Chloroform	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
Chloromethane	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
Dichlorodifluoromethane	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
Ethylbenzene	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
m,p-Xylene	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
Methylene chloride	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
o-Xylene	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
Toluene	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
Trichloroethene	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
Trichlorofluoromethane	ND	3.0		µg/L	1	7/22/2011 8:58:00 PM
Vinyl chloride	ND	2.0		µg/L	1	7/22/2011 8:58:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: ULI Trip Blank
Lab Order: U1107313
Collection Date: 7/12/2011
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-011
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624			**624_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
1,2-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
1,3-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
1,4-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
2-Chloroethyl vinyl ether	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
Acrolein	ND	50		µg/L	1	7/22/2011 9:39:00 PM
Acrylonitrile	ND	50		µg/L	1	7/22/2011 9:39:00 PM
Benzene	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
Bromoform	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
Bromomethane	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
Carbon tetrachloride	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
Chlorobenzene	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
Chloroethane	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
Chloroform	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
Chloromethane	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
Dichlorodifluoromethane	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
Ethylbenzene	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
m,p-Xylene	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
Methylene chloride	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
o-Xylene	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
Toluene	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
Trichloroethene	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
Trichlorofluoromethane	ND	3.0		µg/L	1	7/22/2011 9:39:00 PM
Vinyl chloride	ND	2.0		µg/L	1	7/22/2011 9:39:00 PM
TIC: unknown (5.17)	3.7	0		µg/L	1	7/22/2011 9:39:00 PM
TIC: unknown (5.19)	3.1	0		µg/L	1	7/22/2011 9:39:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT:	HRP Engineering, P.C.	**Client Sample ID:**	ULI Trip Blank
Lab Order:	U1107313	**Collection Date:**	7/12/2011
Project:	New9620.OM/N. Lawrence Oil Dump		
Lab ID:	U1107313-011	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624				**624_W**		Analyst: **EMZ**
TIC: unknown (7.97)	3.5	0		µg/L	1	7/22/2011 9:39:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: MW-105A(7/13/11)
Lab Order: U1107313
Collection Date: 7/13/2011 9:48:00 AM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-012
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624			**624_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
1,2-Dichlorobenzene	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
1,3-Dichlorobenzene	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
1,4-Dichlorobenzene	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
2-Chloroethyl vinyl ether	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
Acrolein	ND	50		µg/L	1	7/25/2011 2:02:00 PM
Acrylonitrile	ND	50		µg/L	1	7/25/2011 2:02:00 PM
Benzene	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
Bromoform	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
Bromomethane	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
Carbon tetrachloride	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
Chlorobenzene	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
Chloroethane	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
Chloroform	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
Chloromethane	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
Dichlorodifluoromethane	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
Ethylbenzene	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
m,p-Xylene	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
Methylene chloride	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
o-Xylene	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
Toluene	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
Trichloroethene	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
Trichlorofluoromethane	ND	3.0		µg/L	1	7/25/2011 2:02:00 PM
Vinyl chloride	ND	2.0		µg/L	1	7/25/2011 2:02:00 PM
TIC: unknown	4.9	0	B	µg/L	1	7/25/2011 2:02:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: PZ-6(7/13/11)
Lab Order: U1107313
Collection Date: 7/13/2011 10:00:00 AM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-013
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624			**624_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
1,2-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
1,3-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
1,4-Dichlorobenzene	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
2-Chloroethyl vinyl ether	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
Acrolein	ND	50		µg/L	1	7/22/2011 10:20:00 PM
Acrylonitrile	ND	50		µg/L	1	7/22/2011 10:20:00 PM
Benzene	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
Bromoform	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
Bromomethane	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
Carbon tetrachloride	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
Chlorobenzene	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
Chloroethane	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
Chloroform	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
Chloromethane	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
cis-1,2-Dichloroethene	20	3.0		µg/L	1	7/22/2011 10:20:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
Dichlorodifluoromethane	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
Ethylbenzene	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
m,p-Xylene	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
Methylene chloride	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
o-Xylene	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
Tetrachloroethene	9.5	3.0		µg/L	1	7/22/2011 10:20:00 PM
Toluene	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
Trichloroethene	5.6	3.0		µg/L	1	7/22/2011 10:20:00 PM
Trichlorofluoromethane	ND	3.0		µg/L	1	7/22/2011 10:20:00 PM
Vinyl chloride	ND	2.0		µg/L	1	7/22/2011 10:20:00 PM
TIC: unknown	3.4	0	B	µg/L	1	7/22/2011 10:20:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: MW-104A(7/13/11)
Lab Order: U1107313
Collection Date: 7/13/2011 10:20:00 AM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-014
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624			**624_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
1,1,2,2-Tetrachloroethane	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
1,1,2-Trichloroethane	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
1,1-Dichloroethane	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
1,1-Dichloroethene	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
1,2-Dichlorobenzene	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
1,2-Dichloroethane	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
1,2-Dichloropropane	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
1,3-Dichlorobenzene	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
1,4-Dichlorobenzene	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
2-Chloroethyl vinyl ether	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
Acrolein	ND	100		µg/L	2	7/25/2011 4:05:00 PM
Acrylonitrile	ND	100		µg/L	2	7/25/2011 4:05:00 PM
Benzene	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
Bromodichloromethane	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
Bromoform	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
Bromomethane	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
Carbon tetrachloride	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
Chlorobenzene	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
Chloroethane	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
Chloroform	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
Chloromethane	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
cis-1,2-Dichloroethene	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
cis-1,3-Dichloropropene	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
Dibromochloromethane	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
Dichlorodifluoromethane	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
Ethylbenzene	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
m,p-Xylene	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
Methylene chloride	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
o-Xylene	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
Tetrachloroethene	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
Toluene	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
trans-1,2-Dichloroethene	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
trans-1,3-Dichloropropene	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
Trichloroethene	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
Trichlorofluoromethane	ND	6.0		µg/L	2	7/25/2011 4:05:00 PM
Vinyl chloride	ND	4.0		µg/L	2	7/25/2011 4:05:00 PM
TIC: unknown	24	0	B	µg/L	2	7/25/2011 4:05:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT:	HRP Engineering, P.C.	**Client Sample ID:**	MW-104A(7/13/11)
Lab Order:	U1107313	**Collection Date:**	7/13/2011 10:20:00 AM
Project:	New9620.OM/N. Lawrence Oil Dump		
Lab ID:	U1107313-014	**Matrix:**	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624		**624_W**				Analyst: **EMZ**

NOTES:
The reporting limits were raised due to matrix interference.
Sample foamed during purging procedure.

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: MW-105B(7/13/11)
Lab Order: U1107313
Collection Date: 7/13/2011 10:24:00 AM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-015
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624			**624_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
1,2-Dichlorobenzene	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
1,3-Dichlorobenzene	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
1,4-Dichlorobenzene	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
2-Chloroethyl vinyl ether	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
Acrolein	ND	50		µg/L	1	7/25/2011 4:46:00 PM
Acrylonitrile	ND	50		µg/L	1	7/25/2011 4:46:00 PM
Benzene	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
Bromoform	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
Bromomethane	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
Carbon tetrachloride	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
Chlorobenzene	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
Chloroethane	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
Chloroform	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
Chloromethane	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
Dichlorodifluoromethane	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
Ethylbenzene	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
m,p-Xylene	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
Methylene chloride	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
o-Xylene	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
Toluene	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
Trichloroethene	2	3.0	J	µg/L	1	7/25/2011 4:46:00 PM
Trichlorofluoromethane	ND	3.0		µg/L	1	7/25/2011 4:46:00 PM
Vinyl chloride	ND	2.0		µg/L	1	7/25/2011 4:46:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: MW-104B(7/13/11)
Lab Order: U1107313
Collection Date: 7/13/2011 10:45:00 AM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-016
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624			**624_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	15		µg/L	5	7/26/2011 2:19:00 PM
1,1,2,2-Tetrachloroethane	ND	15		µg/L	5	7/26/2011 2:19:00 PM
1,1,2-Trichloroethane	ND	15		µg/L	5	7/26/2011 2:19:00 PM
1,1-Dichloroethane	ND	15		µg/L	5	7/26/2011 2:19:00 PM
1,1-Dichloroethene	ND	15		µg/L	5	7/26/2011 2:19:00 PM
1,2-Dichlorobenzene	ND	15		µg/L	5	7/26/2011 2:19:00 PM
1,2-Dichloroethane	ND	15		µg/L	5	7/26/2011 2:19:00 PM
1,2-Dichloropropane	ND	15		µg/L	5	7/26/2011 2:19:00 PM
1,3-Dichlorobenzene	ND	15		µg/L	5	7/26/2011 2:19:00 PM
1,4-Dichlorobenzene	ND	15		µg/L	5	7/26/2011 2:19:00 PM
2-Chloroethyl vinyl ether	ND	15		µg/L	5	7/26/2011 2:19:00 PM
Acrolein	ND	250		µg/L	5	7/26/2011 2:19:00 PM
Acrylonitrile	ND	250		µg/L	5	7/26/2011 2:19:00 PM
Benzene	ND	15		µg/L	5	7/26/2011 2:19:00 PM
Bromodichloromethane	ND	15		µg/L	5	7/26/2011 2:19:00 PM
Bromoform	ND	15		µg/L	5	7/26/2011 2:19:00 PM
Bromomethane	ND	15		µg/L	5	7/26/2011 2:19:00 PM
Carbon tetrachloride	ND	15		µg/L	5	7/26/2011 2:19:00 PM
Chlorobenzene	ND	15		µg/L	5	7/26/2011 2:19:00 PM
Chloroethane	ND	15		µg/L	5	7/26/2011 2:19:00 PM
Chloroform	ND	15		µg/L	5	7/26/2011 2:19:00 PM
Chloromethane	ND	15		µg/L	5	7/26/2011 2:19:00 PM
cis-1,2-Dichloroethene	42	15		µg/L	5	7/26/2011 2:19:00 PM
cis-1,3-Dichloropropene	ND	15		µg/L	5	7/26/2011 2:19:00 PM
Dibromochloromethane	ND	15		µg/L	5	7/26/2011 2:19:00 PM
Dichlorodifluoromethane	ND	15		µg/L	5	7/26/2011 2:19:00 PM
Ethylbenzene	ND	15		µg/L	5	7/26/2011 2:19:00 PM
m,p-Xylene	ND	15		µg/L	5	7/26/2011 2:19:00 PM
Methylene chloride	ND	15		µg/L	5	7/26/2011 2:19:00 PM
o-Xylene	ND	15		µg/L	5	7/26/2011 2:19:00 PM
Tetrachloroethene	34	15		µg/L	5	7/26/2011 2:19:00 PM
Toluene	ND	15		µg/L	5	7/26/2011 2:19:00 PM
trans-1,2-Dichloroethene	ND	15		µg/L	5	7/26/2011 2:19:00 PM
trans-1,3-Dichloropropene	ND	15		µg/L	5	7/26/2011 2:19:00 PM
Trichloroethene	86	15		µg/L	5	7/26/2011 2:19:00 PM
Trichlorofluoromethane	ND	15		µg/L	5	7/26/2011 2:19:00 PM
Vinyl chloride	ND	10		µg/L	5	7/26/2011 2:19:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT:	HRP Engineering, P.C.	**Client Sample ID:**	MW-104B(7/13/11)
Lab Order:	U1107313	**Collection Date:**	7/13/2011 10:45:00 AM
Project:	New9620.OM/N. Lawrence Oil Dump		
Lab ID:	U1107313-016	**Matrix:**	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624		**624_W**				Analyst: **EMZ**

NOTES:

The reporting limits were raised due to the high concentration of target compounds.

TICS: No compounds were detected.

Approved By: PFF **Date:** 8-11-11

Qualifiers:	#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
	**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: PZ-7(7/13/11)
Lab Order: U1107313
Collection Date: 7/13/2011 10:54:00 AM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-017
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624			**624_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
1,2-Dichlorobenzene	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
1,3-Dichlorobenzene	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
1,4-Dichlorobenzene	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
2-Chloroethyl vinyl ether	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
Acrolein	ND	50		µg/L	1	7/25/2011 6:07:00 PM
Acrylonitrile	ND	50		µg/L	1	7/25/2011 6:07:00 PM
Benzene	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
Bromoform	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
Bromomethane	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
Carbon tetrachloride	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
Chlorobenzene	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
Chloroethane	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
Chloroform	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
Chloromethane	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
Dichlorodifluoromethane	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
Ethylbenzene	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
m,p-Xylene	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
Methylene chloride	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
o-Xylene	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
Toluene	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
Trichloroethene	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
Trichlorofluoromethane	ND	3.0		µg/L	1	7/25/2011 6:07:00 PM
Vinyl chloride	ND	2.0		µg/L	1	7/25/2011 6:07:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: MW-106(7/13/11)
Lab Order: U1107313
Collection Date: 7/13/2011 11:45:00 AM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-018
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624			**624_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
1,2-Dichlorobenzene	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
1,3-Dichlorobenzene	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
1,4-Dichlorobenzene	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
2-Chloroethyl vinyl ether	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
Acrolein	ND	50		µg/L	1	7/25/2011 6:48:00 PM
Acrylonitrile	ND	50		µg/L	1	7/25/2011 6:48:00 PM
Benzene	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
Bromoform	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
Bromomethane	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
Carbon tetrachloride	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
Chlorobenzene	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
Chloroethane	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
Chloroform	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
Chloromethane	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
Dichlorodifluoromethane	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
Ethylbenzene	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
m,p-Xylene	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
Methylene chloride	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
o-Xylene	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
Toluene	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
Trichloroethene	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
Trichlorofluoromethane	ND	3.0		µg/L	1	7/25/2011 6:48:00 PM
Vinyl chloride	ND	2.0		µg/L	1	7/25/2011 6:48:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: Duplicate
Lab Order: U1107313
Collection Date: 7/13/2011
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-019
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624			**624_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
1,2-Dichlorobenzene	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
1,3-Dichlorobenzene	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
1,4-Dichlorobenzene	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
2-Chloroethyl vinyl ether	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
Acrolein	ND	50		µg/L	1	7/25/2011 7:29:00 PM
Acrylonitrile	ND	50		µg/L	1	7/25/2011 7:29:00 PM
Benzene	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
Bromoform	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
Bromomethane	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
Carbon tetrachloride	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
Chlorobenzene	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
Chloroethane	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
Chloroform	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
Chloromethane	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
cis-1,2-Dichloroethene	18	3.0		µg/L	1	7/25/2011 7:29:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
Dichlorodifluoromethane	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
Ethylbenzene	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
m,p-Xylene	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
Methylene chloride	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
o-Xylene	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
Tetrachloroethene	10	3.0		µg/L	1	7/25/2011 7:29:00 PM
Toluene	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
Trichloroethene	7.2	3.0		µg/L	1	7/25/2011 7:29:00 PM
Trichlorofluoromethane	ND	3.0		µg/L	1	7/25/2011 7:29:00 PM
Vinyl chloride	ND	2.0		µg/L	1	7/25/2011 7:29:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: MW-107A(7/13/11)
Lab Order: U1107313
Collection Date: 7/13/2011 12:02:00 PM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-020
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624			**624_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
1,2-Dichlorobenzene	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
1,3-Dichlorobenzene	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
1,4-Dichlorobenzene	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
2-Chloroethyl vinyl ether	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
Acrolein	ND	50		µg/L	1	7/25/2011 8:10:00 PM
Acrylonitrile	ND	50		µg/L	1	7/25/2011 8:10:00 PM
Benzene	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
Bromoform	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
Bromomethane	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
Carbon tetrachloride	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
Chlorobenzene	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
Chloroethane	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
Chloroform	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
Chloromethane	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
Dichlorodifluoromethane	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
Ethylbenzene	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
m,p-Xylene	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
Methylene chloride	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
o-Xylene	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
Toluene	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
Trichloroethene	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
Trichlorofluoromethane	ND	3.0		µg/L	1	7/25/2011 8:10:00 PM
Vinyl chloride	ND	2.0		µg/L	1	7/25/2011 8:10:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: MW-107B(7/13/11)
Lab Order: U1107313
Collection Date: 7/13/2011 12:22:00 PM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-021
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624			**624_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	30		µg/L	10	7/25/2011 8:50:00 PM
1,1,2,2-Tetrachloroethane	ND	30		µg/L	10	7/25/2011 8:50:00 PM
1,1,2-Trichloroethane	ND	30		µg/L	10	7/25/2011 8:50:00 PM
1,1-Dichloroethane	ND	30		µg/L	10	7/25/2011 8:50:00 PM
1,1-Dichloroethene	ND	30		µg/L	10	7/25/2011 8:50:00 PM
1,2-Dichlorobenzene	ND	30		µg/L	10	7/25/2011 8:50:00 PM
1,2-Dichloroethane	ND	30		µg/L	10	7/25/2011 8:50:00 PM
1,2-Dichloropropane	ND	30		µg/L	10	7/25/2011 8:50:00 PM
1,3-Dichlorobenzene	ND	30		µg/L	10	7/25/2011 8:50:00 PM
1,4-Dichlorobenzene	ND	30		µg/L	10	7/25/2011 8:50:00 PM
2-Chloroethyl vinyl ether	ND	30		µg/L	10	7/25/2011 8:50:00 PM
Acrolein	ND	500		µg/L	10	7/25/2011 8:50:00 PM
Acrylonitrile	ND	500		µg/L	10	7/25/2011 8:50:00 PM
Benzene	ND	30		µg/L	10	7/25/2011 8:50:00 PM
Bromodichloromethane	ND	30		µg/L	10	7/25/2011 8:50:00 PM
Bromoform	ND	30		µg/L	10	7/25/2011 8:50:00 PM
Bromomethane	ND	30		µg/L	10	7/25/2011 8:50:00 PM
Carbon tetrachloride	ND	30		µg/L	10	7/25/2011 8:50:00 PM
Chlorobenzene	ND	30		µg/L	10	7/25/2011 8:50:00 PM
Chloroethane	ND	30		µg/L	10	7/25/2011 8:50:00 PM
Chloroform	ND	30		µg/L	10	7/25/2011 8:50:00 PM
Chloromethane	ND	30		µg/L	10	7/25/2011 8:50:00 PM
cis-1,2-Dichloroethene	50	30		µg/L	10	7/25/2011 8:50:00 PM
cis-1,3-Dichloropropene	ND	30		µg/L	10	7/25/2011 8:50:00 PM
Dibromochloromethane	ND	30		µg/L	10	7/25/2011 8:50:00 PM
Dichlorodifluoromethane	ND	30		µg/L	10	7/25/2011 8:50:00 PM
Ethylbenzene	ND	30		µg/L	10	7/25/2011 8:50:00 PM
m,p-Xylene	ND	30		µg/L	10	7/25/2011 8:50:00 PM
Methylene chloride	ND	30		µg/L	10	7/25/2011 8:50:00 PM
o-Xylene	ND	30		µg/L	10	7/25/2011 8:50:00 PM
Tetrachloroethene	ND	30		µg/L	10	7/25/2011 8:50:00 PM
Toluene	ND	30		µg/L	10	7/25/2011 8:50:00 PM
trans-1,2-Dichloroethene	ND	30		µg/L	10	7/25/2011 8:50:00 PM
trans-1,3-Dichloropropene	ND	30		µg/L	10	7/25/2011 8:50:00 PM
Trichloroethene	ND	30		µg/L	10	7/25/2011 8:50:00 PM
Trichlorofluoromethane	ND	30		µg/L	10	7/25/2011 8:50:00 PM
Vinyl chloride	ND	20		µg/L	10	7/25/2011 8:50:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT:	HRP Engineering, P.C.	**Client Sample ID:**	MW-107B(7/13/11)
Lab Order:	U1107313	**Collection Date:**	7/13/2011 12:22:00 PM
Project:	New9620.OM/N. Lawrence Oil Dump		
Lab ID:	U1107313-021	**Matrix:**	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624		**624_W**				Analyst: **EMZ**

NOTES:

The reporting limits were raised due to matrix interference.

TICS: No compounds were detected.

Sample foamed during purging procedure.

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: PZ-8(7/13/11)
Lab Order: U1107313
Collection Date: 7/13/2011 12:44:00 PM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-022
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624			**624_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	60		µg/L	20	7/25/2011 9:32:00 PM
1,1,2,2-Tetrachloroethane	ND	60		µg/L	20	7/25/2011 9:32:00 PM
1,1,2-Trichloroethane	ND	60		µg/L	20	7/25/2011 9:32:00 PM
1,1-Dichloroethane	ND	60		µg/L	20	7/25/2011 9:32:00 PM
1,1-Dichloroethene	ND	60		µg/L	20	7/25/2011 9:32:00 PM
1,2-Dichlorobenzene	ND	60		µg/L	20	7/25/2011 9:32:00 PM
1,2-Dichloroethane	ND	60		µg/L	20	7/25/2011 9:32:00 PM
1,2-Dichloropropane	ND	60		µg/L	20	7/25/2011 9:32:00 PM
1,3-Dichlorobenzene	ND	60		µg/L	20	7/25/2011 9:32:00 PM
1,4-Dichlorobenzene	ND	60		µg/L	20	7/25/2011 9:32:00 PM
2-Chloroethyl vinyl ether	ND	60		µg/L	20	7/25/2011 9:32:00 PM
Acrolein	ND	1000		µg/L	20	7/25/2011 9:32:00 PM
Acrylonitrile	ND	1000		µg/L	20	7/25/2011 9:32:00 PM
Benzene	ND	60		µg/L	20	7/25/2011 9:32:00 PM
Bromodichloromethane	ND	60		µg/L	20	7/25/2011 9:32:00 PM
Bromoform	ND	60		µg/L	20	7/25/2011 9:32:00 PM
Bromomethane	ND	60		µg/L	20	7/25/2011 9:32:00 PM
Carbon tetrachloride	ND	60		µg/L	20	7/25/2011 9:32:00 PM
Chlorobenzene	ND	60		µg/L	20	7/25/2011 9:32:00 PM
Chloroethane	ND	60		µg/L	20	7/25/2011 9:32:00 PM
Chloroform	ND	60		µg/L	20	7/25/2011 9:32:00 PM
Chloromethane	ND	60		µg/L	20	7/25/2011 9:32:00 PM
cis-1,2-Dichloroethene	50	60	J	µg/L	20	7/25/2011 9:32:00 PM
cis-1,3-Dichloropropene	ND	60		µg/L	20	7/25/2011 9:32:00 PM
Dibromochloromethane	ND	60		µg/L	20	7/25/2011 9:32:00 PM
Dichlorodifluoromethane	ND	60		µg/L	20	7/25/2011 9:32:00 PM
Ethylbenzene	ND	60		µg/L	20	7/25/2011 9:32:00 PM
m,p-Xylene	ND	60		µg/L	20	7/25/2011 9:32:00 PM
Methylene chloride	ND	60		µg/L	20	7/25/2011 9:32:00 PM
o-Xylene	ND	60		µg/L	20	7/25/2011 9:32:00 PM
Tetrachloroethene	ND	60		µg/L	20	7/25/2011 9:32:00 PM
Toluene	ND	60		µg/L	20	7/25/2011 9:32:00 PM
trans-1,2-Dichloroethene	ND	60		µg/L	20	7/25/2011 9:32:00 PM
trans-1,3-Dichloropropene	ND	60		µg/L	20	7/25/2011 9:32:00 PM
Trichloroethene	ND	60		µg/L	20	7/25/2011 9:32:00 PM
Trichlorofluoromethane	ND	60		µg/L	20	7/25/2011 9:32:00 PM
Vinyl chloride	ND	40		µg/L	20	7/25/2011 9:32:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT:	HRP Engineering, P.C.	**Client Sample ID:**	PZ-8(7/13/11)
Lab Order:	U1107313	**Collection Date:**	7/13/2011 12:44:00 PM
Project:	New9620.OM/N. Lawrence Oil Dump		
Lab ID:	U1107313-022	**Matrix:**	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624		**624_W**				Analyst: **EMZ**

NOTES:

The reporting limits were raised due to matrix interference.

TICS: No compounds were detected.

Sample foamed during purging procedure.

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: PZ-1(7/13/11)
Lab Order: U1107313
Collection Date: 7/13/2011 12:52:00 PM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-023
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624			**624_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
1,2-Dichlorobenzene	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
1,3-Dichlorobenzene	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
1,4-Dichlorobenzene	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
2-Chloroethyl vinyl ether	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
Acrolein	ND	50		µg/L	1	7/25/2011 10:12:00 PM
Acrylonitrile	ND	50		µg/L	1	7/25/2011 10:12:00 PM
Benzene	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
Bromoform	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
Bromomethane	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
Carbon tetrachloride	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
Chlorobenzene	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
Chloroethane	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
Chloroform	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
Chloromethane	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
Dichlorodifluoromethane	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
Ethylbenzene	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
m,p-Xylene	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
Methylene chloride	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
o-Xylene	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
Toluene	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
Trichloroethene	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
Trichlorofluoromethane	ND	3.0		µg/L	1	7/25/2011 10:12:00 PM
Vinyl chloride	ND	2.0		µg/L	1	7/25/2011 10:12:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: ULI Trip Blank
Lab Order: U1107313
Collection Date: 7/13/2011
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-024
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624			**624_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
1,2-Dichlorobenzene	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
1,3-Dichlorobenzene	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
1,4-Dichlorobenzene	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
2-Chloroethyl vinyl ether	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
Acrolein	ND	50		µg/L	1	7/26/2011 3:00:00 PM
Acrylonitrile	ND	50		µg/L	1	7/26/2011 3:00:00 PM
Benzene	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
Bromoform	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
Bromomethane	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
Carbon tetrachloride	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
Chlorobenzene	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
Chloroethane	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
Chloroform	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
Chloromethane	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
Dichlorodifluoromethane	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
Ethylbenzene	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
m,p-Xylene	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
Methylene chloride	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
o-Xylene	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
Toluene	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
Trichloroethene	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
Trichlorofluoromethane	ND	3.0		µg/L	1	7/26/2011 3:00:00 PM
Vinyl chloride	ND	2.0		µg/L	1	7/26/2011 3:00:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: Holding Blank
Lab Order: U1107313
Collection Date: 7/18/2011 9:20:00 AM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-025
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES PRIORITY POLLUTANTS BY 624			**624_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
1,2-Dichlorobenzene	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
1,3-Dichlorobenzene	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
1,4-Dichlorobenzene	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
2-Chloroethyl vinyl ether	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
Acrolein	ND	50		µg/L	1	7/26/2011 3:41:00 PM
Acrylonitrile	ND	50		µg/L	1	7/26/2011 3:41:00 PM
Benzene	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
Bromoform	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
Bromomethane	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
Carbon tetrachloride	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
Chlorobenzene	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
Chloroethane	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
Chloroform	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
Chloromethane	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
Dichlorodifluoromethane	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
Ethylbenzene	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
m,p-Xylene	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
Methylene chloride	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
o-Xylene	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
Toluene	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
Trichloroethene	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
Trichlorofluoromethane	ND	3.0		µg/L	1	7/26/2011 3:41:00 PM
Vinyl chloride	ND	2.0		µg/L	1	7/26/2011 3:41:00 PM
TIC: unknown	16	0		µg/L	1	7/26/2011 3:41:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: MW-303 (7/12/11)
Lab Order: U1107313
Collection Date: 7/21/2011 12:15:00 PM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-026
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP PEST/PCB WATERS BY EPA 8081A/8082		**8081A/8082_ASPW**		**(SW3510B)**		Analyst: **EA**
4,4'-DDD	ND	0.10		µg/L	1	7/27/2011
4,4'-DDE	ND	0.10		µg/L	1	7/27/2011
4,4'-DDT	ND	0.10		µg/L	1	7/27/2011
Aldrin	ND	0.050		µg/L	1	7/27/2011
alpha-BHC	ND	0.050		µg/L	1	7/27/2011
alpha-Chlordane	ND	0.050		µg/L	1	7/27/2011
Aroclor 1016	ND	1.0		µg/L	1	7/27/2011
Aroclor 1221	ND	1.0		µg/L	1	7/27/2011
Aroclor 1232	ND	1.0		µg/L	1	7/27/2011
Aroclor 1242	ND	1.0		µg/L	1	7/27/2011
Aroclor 1248	ND	1.0		µg/L	1	7/27/2011
Aroclor 1254	ND	1.0		µg/L	1	7/27/2011
Aroclor 1260	ND	1.0		µg/L	1	7/27/2011
Aroclor 1262	ND	1.0		µg/L	1	7/27/2011
Aroclor 1268	ND	1.0		µg/L	1	7/27/2011
beta-BHC	ND	0.050		µg/L	1	7/27/2011
delta-BHC	ND	0.050		µg/L	1	7/27/2011
Dieldrin	ND	0.10		µg/L	1	7/27/2011
Endosulfan I	ND	0.050		µg/L	1	7/27/2011
Endosulfan II	ND	0.10		µg/L	1	7/27/2011
Endosulfan sulfate	ND	0.10		µg/L	1	7/27/2011
Endrin	ND	0.10		µg/L	1	7/27/2011
Endrin aldehyde	ND	0.10		µg/L	1	7/27/2011
Endrin ketone	ND	0.10		µg/L	1	7/27/2011
gamma-BHC	ND	0.050		µg/L	1	7/27/2011
gamma-Chlordane	ND	0.050		µg/L	1	7/27/2011
Heptachlor	ND	0.050		µg/L	1	7/27/2011
Heptachlor epoxide	ND	0.050		µg/L	1	7/27/2011
Methoxychlor	ND	0.50		µg/L	1	7/27/2011
Toxaphene	ND	5.0		µg/L	1	7/27/2011

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: MW-102A (7/12/11)
Lab Order: U1107313
Collection Date: 7/21/2011 11:20:00 AM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-027
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP PEST/PCB WATERS BY EPA 8081A/8082		**8081A/8082_ASPW**		**(SW3510B)**		Analyst: **EA**
4,4'-DDD	ND	0.10		µg/L	1	7/27/2011
4,4'-DDE	ND	0.10		µg/L	1	7/27/2011
4,4'-DDT	ND	0.10		µg/L	1	7/27/2011
Aldrin	ND	0.050		µg/L	1	7/27/2011
alpha-BHC	ND	0.050		µg/L	1	7/27/2011
alpha-Chlordane	ND	0.050		µg/L	1	7/27/2011
Aroclor 1016	ND	1.0		µg/L	1	7/27/2011
Aroclor 1221	ND	1.0		µg/L	1	7/27/2011
Aroclor 1232	ND	1.0		µg/L	1	7/27/2011
Aroclor 1242	ND	1.0		µg/L	1	7/27/2011
Aroclor 1248	ND	1.0		µg/L	1	7/27/2011
Aroclor 1254	ND	1.0		µg/L	1	7/27/2011
Aroclor 1260	ND	1.0		µg/L	1	7/27/2011
Aroclor 1262	ND	1.0		µg/L	1	7/27/2011
Aroclor 1268	ND	1.0		µg/L	1	7/27/2011
beta-BHC	ND	0.050		µg/L	1	7/27/2011
delta-BHC	ND	0.050		µg/L	1	7/27/2011
Dieldrin	ND	0.10		µg/L	1	7/27/2011
Endosulfan I	ND	0.050		µg/L	1	7/27/2011
Endosulfan II	ND	0.10		µg/L	1	7/27/2011
Endosulfan sulfate	ND	0.10		µg/L	1	7/27/2011
Endrin	ND	0.10		µg/L	1	7/27/2011
Endrin aldehyde	ND	0.10		µg/L	1	7/27/2011
Endrin ketone	ND	0.10		µg/L	1	7/27/2011
gamma-BHC	ND	0.050		µg/L	1	7/27/2011
gamma-Chlordane	ND	0.050		µg/L	1	7/27/2011
Heptachlor	ND	0.050		µg/L	1	7/27/2011
Heptachlor epoxide	ND	0.050		µg/L	1	7/27/2011
Methoxychlor	ND	0.50		µg/L	1	7/27/2011
Toxaphene	ND	5.0		µg/L	1	7/27/2011

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT:	HRP Engineering, P.C.	**Client Sample ID:**	Duplicate
Lab Order:	U1107313	**Collection Date:**	7/21/2011
Project:	New9620.OM/N. Lawrence Oil Dump		
Lab ID:	U1107313-028	**Matrix:**	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP PEST/PCB WATERS BY EPA 8081A/8082		**8081A/8082_ASPW**		**(SW3510B)**		Analyst: **EA**
4,4'-DDD	ND	0.10		µg/L	1	7/27/2011
4,4'-DDE	ND	0.10		µg/L	1	7/27/2011
4,4'-DDT	ND	0.10		µg/L	1	7/27/2011
Aldrin	ND	0.050		µg/L	1	7/27/2011
alpha-BHC	ND	0.050		µg/L	1	7/27/2011
alpha-Chlordane	ND	0.050		µg/L	1	7/27/2011
Aroclor 1016	ND	1.0		µg/L	1	7/27/2011
Aroclor 1221	ND	1.0		µg/L	1	7/27/2011
Aroclor 1232	ND	1.0		µg/L	1	7/27/2011
Aroclor 1242	ND	1.0		µg/L	1	7/27/2011
Aroclor 1248	ND	1.0		µg/L	1	7/27/2011
Aroclor 1254	ND	1.0		µg/L	1	7/27/2011
Aroclor 1260	ND	1.0		µg/L	1	7/27/2011
Aroclor 1262	ND	1.0		µg/L	1	7/27/2011
Aroclor 1268	ND	1.0		µg/L	1	7/27/2011
beta-BHC	ND	0.050		µg/L	1	7/27/2011
delta-BHC	ND	0.050		µg/L	1	7/27/2011
Dieldrin	ND	0.10		µg/L	1	7/27/2011
Endosulfan I	ND	0.050		µg/L	1	7/27/2011
Endosulfan II	ND	0.10		µg/L	1	7/27/2011
Endosulfan sulfate	ND	0.10		µg/L	1	7/27/2011
Endrin	ND	0.10		µg/L	1	7/27/2011
Endrin aldehyde	ND	0.10		µg/L	1	7/27/2011
Endrin ketone	ND	0.10		µg/L	1	7/27/2011
gamma-BHC	ND	0.050		µg/L	1	7/27/2011
gamma-Chlordane	ND	0.050		µg/L	1	7/27/2011
Heptachlor	ND	0.050		µg/L	1	7/27/2011
Heptachlor epoxide	ND	0.050		µg/L	1	7/27/2011
Methoxychlor	ND	0.50		µg/L	1	7/27/2011
Toxaphene	ND	5.0		µg/L	1	7/27/2011

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT:	HRP Engineering, P.C.	**Client Sample ID:**	MW-301 (7/12/11)
Lab Order:	U1107313	**Collection Date:**	7/21/2011 11:53:00 AM
Project:	New9620.OM/N. Lawrence Oil Dump		
Lab ID:	U1107313-029	**Matrix:**	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP PEST/PCB WATERS BY EPA 8081A/8082		**8081A/8082_ASPW**		**(SW3510B)**		Analyst: **EA**
4,4'-DDD	ND	0.10		µg/L	1	7/27/2011
4,4'-DDE	ND	0.10		µg/L	1	7/27/2011
4,4'-DDT	ND	0.10		µg/L	1	7/27/2011
Aldrin	ND	0.050		µg/L	1	7/27/2011
alpha-BHC	ND	0.050		µg/L	1	7/27/2011
alpha-Chlordane	ND	0.050		µg/L	1	7/27/2011
Aroclor 1016	ND	1.0		µg/L	1	7/27/2011
Aroclor 1221	ND	1.0		µg/L	1	7/27/2011
Aroclor 1232	ND	1.0		µg/L	1	7/27/2011
Aroclor 1242	ND	1.0		µg/L	1	7/27/2011
Aroclor 1248	ND	1.0		µg/L	1	7/27/2011
Aroclor 1254	ND	1.0		µg/L	1	7/27/2011
Aroclor 1260	ND	1.0		µg/L	1	7/27/2011
Aroclor 1262	ND	1.0		µg/L	1	7/27/2011
Aroclor 1268	ND	1.0		µg/L	1	7/27/2011
beta-BHC	ND	0.050		µg/L	1	7/27/2011
delta-BHC	ND	0.050		µg/L	1	7/27/2011
Dieldrin	ND	0.10		µg/L	1	7/27/2011
Endosulfan I	ND	0.050		µg/L	1	7/27/2011
Endosulfan II	ND	0.10		µg/L	1	7/27/2011
Endosulfan sulfate	ND	0.10		µg/L	1	7/27/2011
Endrin	ND	0.10		µg/L	1	7/27/2011
Endrin aldehyde	ND	0.10		µg/L	1	7/27/2011
Endrin ketone	ND	0.10		µg/L	1	7/27/2011
gamma-BHC	ND	0.050		µg/L	1	7/27/2011
gamma-Chlordane	ND	0.050		µg/L	1	7/27/2011
Heptachlor	ND	0.050		µg/L	1	7/27/2011
Heptachlor epoxide	ND	0.050		µg/L	1	7/27/2011
Methoxychlor	ND	0.50		µg/L	1	7/27/2011
Toxaphene	ND	5.0		µg/L	1	7/27/2011

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: MW-102B (7/12/11)
Lab Order: U1107313
Collection Date: 7/21/2011 11:00:00 AM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-030
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP PEST/PCB WATERS BY EPA 8081A/8082		**8081A/8082_ASPW**		**(SW3510B)**		Analyst: **EA**
4,4'-DDD	ND	1.0		µg/L	10	7/27/2011
4,4'-DDE	ND	1.0		µg/L	10	7/27/2011
4,4'-DDT	ND	1.0		µg/L	10	7/27/2011
Aldrin	ND	0.50		µg/L	10	7/27/2011
alpha-BHC	ND	0.50		µg/L	10	7/27/2011
alpha-Chlordane	ND	0.50		µg/L	10	7/27/2011
Aroclor 1016	ND	10		µg/L	10	7/27/2011
Aroclor 1221	ND	10		µg/L	10	7/27/2011
Aroclor 1232	ND	10		µg/L	10	7/27/2011
Aroclor 1242	ND	10		µg/L	10	7/27/2011
Aroclor 1248	ND	10		µg/L	10	7/27/2011
Aroclor 1254	ND	10		µg/L	10	7/27/2011
Aroclor 1260	ND	10		µg/L	10	7/27/2011
Aroclor 1262	ND	10		µg/L	10	7/27/2011
Aroclor 1268	ND	10		µg/L	10	7/27/2011
beta-BHC	ND	0.50		µg/L	10	7/27/2011
delta-BHC	ND	0.50		µg/L	10	7/27/2011
Dieldrin	ND	1.0		µg/L	10	7/27/2011
Endosulfan I	ND	0.50		µg/L	10	7/27/2011
Endosulfan II	ND	1.0		µg/L	10	7/27/2011
Endosulfan sulfate	ND	1.0		µg/L	10	7/27/2011
Endrin	ND	1.0		µg/L	10	7/27/2011
Endrin aldehyde	ND	1.0		µg/L	10	7/27/2011
Endrin ketone	ND	1.0		µg/L	10	7/27/2011
gamma-BHC	ND	0.50		µg/L	10	7/27/2011
gamma-Chlordane	ND	0.50		µg/L	10	7/27/2011
Heptachlor	ND	0.50		µg/L	10	7/27/2011
Heptachlor epoxide	ND	0.50		µg/L	10	7/27/2011
Methoxychlor	ND	5.0		µg/L	10	7/27/2011
Toxaphene	ND	50		µg/L	10	7/27/2011

NOTES:
The reporting limits were raised due to matrix interference.

SEMIVOLATILE STARS LIST BY NYSDEC ASP 2005		8270_ASPPET_W		(SW3520)		Analyst: **LD**
Acenaphthene	ND	5.0		µg/L	1	8/2/2011 7:25:00 PM
Fluorene	ND	5.0		µg/L	1	8/2/2011 7:25:00 PM
Phenanthrene	ND	5.0		µg/L	1	8/2/2011 7:25:00 PM
Anthracene	ND	5.0		µg/L	1	8/2/2011 7:25:00 PM
Fluoranthene	ND	5.0		µg/L	1	8/2/2011 7:25:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT: HRP Engineering, P.C.
Client Sample ID: MW-102B (7/12/11)
Lab Order: U1107313
Collection Date: 7/21/2011 11:00:00 AM
Project: New9620.OM/N. Lawrence Oil Dump
Lab ID: U1107313-030
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE STARS LIST BY NYSDEC ASP 2005		**8270_ASPPET_W**			**(SW3520)**	Analyst: **LD**
Pyrene	ND	5.0		µg/L	1	8/2/2011 7:25:00 PM
Benz(a)anthracene	ND	5.0		µg/L	1	8/2/2011 7:25:00 PM
Chrysene	ND	5.0		µg/L	1	8/2/2011 7:25:00 PM
Benzo(b)fluoranthene	ND	5.0		µg/L	1	8/2/2011 7:25:00 PM
Benzo(k)fluoranthene	ND	5.0		µg/L	1	8/2/2011 7:25:00 PM
Benzo(a)pyrene	ND	5.0		µg/L	1	8/2/2011 7:25:00 PM
Dibenz(a,h)anthracene	ND	5.0		µg/L	1	8/2/2011 7:25:00 PM
Benzo(g,h,i)perylene	ND	5.0		µg/L	1	8/2/2011 7:25:00 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/L	1	8/2/2011 7:25:00 PM
TIC: unknown (13.07)	20	0		µg/L	1	8/2/2011 7:25:00 PM
TIC: unknown (13.22)	7.9	0	B	µg/L	1	8/2/2011 7:25:00 PM
TIC: unknown (13.32)	2.2	0		µg/L	1	8/2/2011 7:25:00 PM
TIC: unknown (13.55)	2.5	0		µg/L	1	8/2/2011 7:25:00 PM
TIC: unknown (13.77)	9.4	0		µg/L	1	8/2/2011 7:25:00 PM
TIC: unknown (13.93)	6.5	0		µg/L	1	8/2/2011 7:25:00 PM
TIC: unknown (14.15)	4.0	0		µg/L	1	8/2/2011 7:25:00 PM
TIC: unknown (14.29)	48	0		µg/L	1	8/2/2011 7:25:00 PM
TIC: unknown (14.42)	5.8	0		µg/L	1	8/2/2011 7:25:00 PM
TIC: unknown (14.59)	3.2	0	B	µg/L	1	8/2/2011 7:25:00 PM
TIC: unknown (14.68)	2.5	0	B	µg/L	1	8/2/2011 7:25:00 PM
TIC: unknown (14.89)	7.8	0		µg/L	1	8/2/2011 7:25:00 PM
TIC: unknown (15.24)	13	0		µg/L	1	8/2/2011 7:25:00 PM
TIC: unknown (15.83)	9.7	0		µg/L	1	8/2/2011 7:25:00 PM
TIC: unknown (16.51)	2.7	0		µg/L	1	8/2/2011 7:25:00 PM
TIC: unknown (17.32)	2.5	0		µg/L	1	8/2/2011 7:25:00 PM
TIC: unknown (17.6)	4.0	0		µg/L	1	8/2/2011 7:25:00 PM
TIC: unknown (17.85)	27	0		µg/L	1	8/2/2011 7:25:00 PM
TIC: unknown (18.02)	2.4	0		µg/L	1	8/2/2011 7:25:00 PM

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *11-Aug-11*

CLIENT:	HRP Engineering, P.C.	**Client Sample ID:**	MW-302 (7/12/11)
Lab Order:	U1107313	**Collection Date:**	7/21/2011 11:37:00 AM
Project:	New9620.OM/N. Lawrence Oil Dump		
Lab ID:	U1107313-031	**Matrix:**	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP PEST/PCB WATERS BY EPA 8081A/8082		**8081A/8082_ASPW**		**(SW3510B)**		Analyst: **EA**
4,4'-DDD	ND	0.10		µg/L	1	7/27/2011
4,4'-DDE	ND	0.10		µg/L	1	7/27/2011
4,4'-DDT	ND	0.10		µg/L	1	7/27/2011
Aldrin	ND	0.050		µg/L	1	7/27/2011
alpha-BHC	ND	0.050		µg/L	1	7/27/2011
alpha-Chlordane	ND	0.050		µg/L	1	7/27/2011
Aroclor 1016	ND	1.0		µg/L	1	7/27/2011
Aroclor 1221	ND	1.0		µg/L	1	7/27/2011
Aroclor 1232	ND	1.0		µg/L	1	7/27/2011
Aroclor 1242	ND	1.0		µg/L	1	7/27/2011
Aroclor 1248	ND	1.0		µg/L	1	7/27/2011
Aroclor 1254	ND	1.0		µg/L	1	7/27/2011
Aroclor 1260	ND	1.0		µg/L	1	7/27/2011
Aroclor 1262	ND	1.0		µg/L	1	7/27/2011
Aroclor 1268	ND	1.0		µg/L	1	7/27/2011
beta-BHC	ND	0.050		µg/L	1	7/27/2011
delta-BHC	ND	0.050		µg/L	1	7/27/2011
Dieldrin	ND	0.10		µg/L	1	7/27/2011
Endosulfan I	ND	0.050		µg/L	1	7/27/2011
Endosulfan II	ND	0.10		µg/L	1	7/27/2011
Endosulfan sulfate	ND	0.10		µg/L	1	7/27/2011
Endrin	ND	0.10		µg/L	1	7/27/2011
Endrin aldehyde	ND	0.10		µg/L	1	7/27/2011
Endrin ketone	ND	0.10		µg/L	1	7/27/2011
gamma-BHC	ND	0.050		µg/L	1	7/27/2011
gamma-Chlordane	ND	0.050		µg/L	1	7/27/2011
Heptachlor	ND	0.050		µg/L	1	7/27/2011
Heptachlor epoxide	ND	0.050		µg/L	1	7/27/2011
Methoxychlor	ND	0.50		µg/L	1	7/27/2011
Toxaphene	ND	5.0		µg/L	1	7/27/2011

Approved By: PFF **Date:** 8-11-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits