PERIODIC REVIEW REPORT FOR PERIOD JANUARY 2015 THROUGH DECEMBER 2015

ROCHESTER FIRE TRAINING ACADEMY 1190 SCOTTSVILLE ROAD ROCHESTER, NEW YORK, 14624 NYSDEC SITE #828015

| Prepared For: | City of Rochester |
|----------------------|--|
| | Division of Environmental Quality |
| | Rochester, New York |

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I. Introduction

A. Summary

The Rochester Fire Training Academy (RFA) site (Site) is an 18-acre site located on the west bank of the Genesee River at 1190 Scottsville Road in the City of Rochester, Monroe County, New York. A Site location map is included as Figure 1. The Site is divided into five areas, which include the North Disposal Area (NDA) (2.5 acres), Training Grounds Area (TGA) (5.4 acres), Police Obstacle Course/Firing Range, South Disposal Area (SDA) (1.0 acres), and the Genesee Valley Park Area (GVPA) (1.0 acres). A Site map is included as Figure 2.

Based upon the results of remedial investigation activities, the types of contamination at the Site that were identified to require remediation included:

- Polychlorinated biphenyls (PCB's);
- Heavy metals, including lead and cadmium; and
- Volatile Organic Compounds (VOC's).

Remedial actions performed at the Site in accordance with the March 1993 Record of Decision include:

- Excavation and treatment of selected soils in the SDA and TGA, followed by on-site soil conditioning and placement in the NDA (completed);
- Excavation and off-site disposal of a smaller volume of soils (completed);
- Excavation and placement of GVPA soils in the NDA (completed);
- Restoration of the remediation areas (SDA, TGA and GVPA) (completed);
- Capping of the NDA (completed);
- Groundwater collection and treatment in the SDA (ongoing); and
- General Site management activities (ongoing).
- B. Effectiveness of the Remedial Program

Progress made during the reporting period toward meeting the remedial objectives for the Site include continued operation and monitoring of the SDA groundwater collection and treatment system, and maintenance of the associated Site institutional and engineering controls in accordance with the general requirements of the Site Operation and Maintenance Manual. Monitoring data from the work completed to date shows that the remedial program is currently meeting, and has the ability to achieve, the remedial objectives for the Site.

C. Compliance

No areas were identified as being currently out of compliance with the Site management and monitoring program requirements (based upon the current understanding of these requirements – the Operation and Maintenance Manual is being revised to reflect current Site and plan conditions and requirements, as noted in Section I.D.4. below). As such, no steps are currently deemed necessary to correct areas of non-compliance.

D. Recommendations

PRR recommendations and proposed scheduling are detailed in Section VI.C. A summary of these recommendations is provided below.

- 1. Since residual contamination remains on the Site, applicable site management requirements, as specified in the Operations and Maintenance Manual, should be continued.
- 2. Repairs shall be made to the TGA cover system to seal cracks that are developing in the asphalt and asphalt-concrete interfaces, as necessary to limit and/or prevent stormwater infiltration into this area.
- 3. Complete the revision of the Operations and Maintenance Manual (O&MM) to reflect the current monitoring program, well locations, groundwater treatment system components, operating schedule, etc.

II. Site Overview

The RFA is an active police and fire training academy which has been operated by the City of Rochester since 1954. During the time period from 1954 through 1980, flammable liquids from local industries and other sources were accepted by the RFA as sources of fuel for training purposes. In 1980, the New York State Department of Environmental Conservation (NYSDEC) began investigating the RFA's disposal practices, and subsequently directed the removal of more than 200 drums and numerous chemical reagent bottles from the NDA, SDA, and TGA. While no hazardous waste disposal occurred in the GVPA, some surficial contamination of park grounds did occur adjacent to the site along the Genesee River.

The City of Rochester signed an Order on Consent with the NYSDEC on May 5, 1989 to investigate the extent of contamination and remediate the site. To address the nature of the contamination and determine the most appropriate alternatives to remediate the site, the City retained Malcolm Pirnie, Inc. to conduct a Remedial Investigation/Feasibility Study (RIFS). The RIFS results indicated that area soils were contaminated with polychlorinated biphenyls (PCBs), lead, cadmium, and volatile organic compounds (VOCs). The primary focus was on the TGA, GVPA, and SDA portions of the property. Groundwater contamination at the RFA site, caused by the storage and disposal of solvents, was determined to be essentially confined to the SDA. SDA soils were shown to be contaminated with VOCs as well as PCBs and metals. Soils in the TGA and the GVPA were shown to be contaminated primarily with PCBs and metals.

Based on the results of the RIFS, a NYSDEC Record of Decision was published in March 1993 that specified remedial actions and objectives for the groundwater and soils to meet applicable standards, criteria, and guidelines (SCGs), and to protect human health and the environment. The selected remedy specified that heavily contaminated soils were to be treated and/or removed from the Site, with residual Site contamination to be addressed through natural attenuation supplemented by institutional and engineering controls, including capping/covering select areas for isolation and to minimize infiltration, and groundwater treatment for contaminant removal and hydraulic containment.

Specifically, the remedial design for the site required that soils in the SDA containing total VOCs, PCBs, or cadmium equal to or above 10 mg/kg and/or containing lead concentrations equal to or greater than 250 mg/kg be excavated. The excavated soils were conditioned using a thermal desorber to reduce VOC levels to less than the Action Limit of 10 mg/kg. Following desorption, soils requiring solidification and stabilization were stockpiled in the TGA for additional treatment consisting of mixing the soil with cement and water to form a slurry. The slurry was then placed in the NDA and later capped with a soil/synthetic cover barrier layer. Excavated soils containing PCB concentrations greater than or equal to 50 mg/kg were disposed of off-site.

The groundwater treatment remedial component consists of a groundwater intercept trench and treatment plant installed at the SDA to provide for contaminant removal and a degree of hydraulic containment. Contaminated groundwater is collected via a 191-ft long collection trench, and pumped via a submersible pump station to the Groundwater Treatment System (GWTS) building located on the southwestern portion of the SDA. The GWTS processes groundwater through dual particulate filters and an air stripper to remove VOC's prior to discharge to the Monroe County sanitary sewer system. Operation of the GWTS was initiated in March 1998, and the GWTS discharge is permitted and regulated under a sanitary sewer industrial use permit granted by the Monroe County Department of Pure Waters (MCPW permit #705).

III. Monitoring Plan Compliance and Remedy Evaluation

A. Monitoring Plan Components

Monitoring and laboratory analyses were completed in accordance with the O&MM monitoring plan, Sewer Discharge Permit requirements, and/or consistent with routine monitoring completed prior to this reporting period. A summary of the routine monitoring and analyses is provided in the table below. Other site monitoring and inspections are as detailed in Section V.A.

| Item | Frequency | Lab Analyses |
|------------------------|-------------|------------------------|
| Groundwater Monitoring | Semi-Annual | VOCs + MTBE |
| Well Sampling | | (EPA 601/602) |
| GWTS Influent Sampling | Quarterly | VOCs (EPA 601/602), |
| | | Pesticides (EPA 608), |
| | | Total RCRA Metals, pH, |
| | | alkalinity, hardness |
| GWTS Effluent Sampling | Monthly | VOCs (EPA 601/602), |
| | | Acetone, MEK, MIBK |
| | | (EPA 8015), and pH |
| | Quarterly | VOCs (EPA 601/602), |
| | | Acetone, MEK, MIBK |
| | | (EPA 8015), Semi- |
| | | volatiles + 4-methyl |
| | | phenol (EPA 625), |
| | | Pesticides (EPA 608), |
| | | Total RCRA Metals, and |
| | | рН |

B. Analytical Monitoring Data

Groundwater sampling from monitoring wells was performed semi-annually throughout the review period using disposable polyethylene bailers. Monitoring well sampling was conducted in accordance with the schedule and procedures specified in the O&MM (including Appendices E.1 through E.4). GWTS sampling was performed in general accordance with Site (O&MM) and Sewer Use Permit requirements. Samples intended for laboratory analyses were collected and stored in the appropriate polyethylene or glass bottles, preserved in the field, and transferred within allowable hold times to an ELAP-certified laboratory for analysis.

Summary tables of the most recent monitoring results, including the current reporting period (January through December 2015), are provided in Appendix A, and graphical trend lines and historical well data for select contaminants of concern (1998 through 2015) are included in Appendix B to this report. The upgradient wells MW6, MW9, and MW10 are monitored to establish background groundwater quality. The remaining wells are monitored to establish the downgradient water quality. Refer to Figure 3 for the monitoring well locations.

A full copy of the analytical laboratory reports for analyses completed during the current PRR reporting period are included in Appendix C. A brief evaluation of the data and trends for the three monitored remedial areas is provided below (see Section III.D. for analysis of GWTS analytical data).

- <u>NDA</u>: Upgradient well (MW-10I) continues to consistently show MTBE in the 0 to 10 μ g/l range. Downgradient well MW-11I has recently exhibited increasingly elevated concentrations of vinyl chloride, which has been reported in the range of 245 to 476 μ g/l over the past three years (above the historical range of 82 to 273 μ g/l observed at this location from 2005 through 2012). These vinyl chloride concentrations should be monitored to determine whether or not the observed increase becomes a long-term trend. No other VOC's have been reported above detectable levels more than once since initiation of monitoring.
- <u>TGA</u>: Upgradient well (MW-6I) continues to show vinyl chloride in a fairly consistent range of 0 to 10 μ g/l over the past 10-plus years, with a single high level of 14 μ g/l reported for 11/30/12. Vinyl chloride at downgradient well MW-8I was consistently reported to be less than 400 μ g/l (and usually below 200 μ g/l) prior to 2007, after which a singular high result of 850 μ g/l was reported. Vinyl chloride concentrations since that time remain slightly elevated compared to prior years, but are steadily trending back downward to the 200 μ g/l range. Benzene at downgradient well MW-15S was detected multiple times at concentrations of up to 291 μ g/l in earlier monitoring events (prior to 2006), but benzene concentrations at this location have stabilized, with reported levels consistently below 2 μ g/l since that time.
- <u>SDA</u>: Upgradient (MW-9D) and downgradient (MW-7S, MW-7I and MW-7D) wells each experienced increases in one or more of the monitored chlorinated VOC's (TCE, DCE and vinyl chloride) over the period of 2010 to 2013, which directly corresponded to the period of the GWTS shutdown. The elevated VOC concentrations have since returned to historical, typical ranges following restart of the GWTS in April 2013.

Overall, based upon the analytical results for the current monitoring period, monitoring well concentrations of VOC's in the NDA and TGA were generally observed to remain within their historical stable and consistent ranges, which demonstrates the effectiveness of the cover systems in minimizing contaminant migration. The lone possible exception to this is elevated concentrations of vinyl chloride observed at well MW-11I, located downgradient from the NDA, at which continued monitoring is recommended. Wells in the SDA were noticeably impacted by the GWTS shutdown period (2010 to 2013); however, the observed and relatively quick restoration of VOC levels in the SDA wells to pre-shutdown concentration ranges demonstrates the effectiveness of the groundwater intercept trench in providing hydraulic containment, minimizing any migration of the SDA contaminants.

C. GWTS Flow Data

The GWTS is currently specified to be operated continuously (weekends included) to remove contaminants and maintain a depressed groundwater table in the vicinity of the groundwater collection trench. A summary of the annual GWTS flow data (total gallons processed and discharged) over the most recent five year period is as follows:

| | Period of Operation | | | | | | | | |
|--------------------------|---------------------|------|-----------|-----------|-----------|--|--|--|--|
| | 2011 | 2012 | 2013 | 2014 | 2015 | | | | |
| Total Flow (gal) | 0 | 0 | 1,552,338 | 1,313,659 | 1,163,289 | | | | |
| Operating Days | 0 | 0 | 255 | 320 | 349 | | | | |
| Avg. Daily Flow (gal) | 0 | 0 | 6,088 | 4,105 | 3,333 | | | | |

Period of Operation

It should be noted that the GWTS had experienced multiple equipment and operational failures in the years prior to 2010, and was also experiencing reduced average daily throughput (flow) over this period. These system problems culminated in an extended GWTS shut down from August 2010 through April 2013 that required a system-wide descaling of equipment and piping. The system was brought back online in April 2013, and additional facility repairs, upgrades and modifications were completed in 2014 in accordance with the NYSDEC-approved *Work Plan for Completion of Periodic Review Report Recommendations*, dated February 5, 2014.

D. Contaminant Removal

Based upon measured flowrates and analytical monitoring of the groundwater treatment system influent concentrations, the mass of contaminants (VOC's) removed from the Site by the GWTS for the most recent five year period is as follows:

| | Period of Operation | | | | | | | | |
|-------------------------|---------------------|------|-----------|-----------|-----------|--|--|--|--|
| | 2011 | 2012 | 2013 | 2014 | 2015 | | | | |
| Total Flow (gal) | 0 | 0 | 1,552,338 | 1,313,659 | 1,163,289 | | | | |
| Avg. VOC's (µg/l) | 0 | 0 | 15,232 | 12,512 | 10,562 | | | | |
| Net VOC Removal (lb) | 0 | 0 | 197 | 137 | 102 | | | | |

As discussed in the previous section, the GWTS experienced an extended shut down period from August 2010 through April 2013. The system was brought back online in April 2013, and additional system repairs, upgrades and modifications were completed in 2014 to improve GWTS operational and removal efficiencies.

In terms of treatment system effectiveness, effluent data demonstrates that the wastewater treatment system process has proven effective, and has generally maintained compliance with the applicable effluent discharge limits since it's time of start-up. The lone exception to this is a single discharge permit exceedance occurring in July of 2009 which was attributed to a faulty flow sensor controlling the operation of the air stripper blower.

E. Air Emissions

Volatile organic compounds (VOCs) liberated from the groundwater are emitted to the outdoor atmosphere in the air discharged from the GWTS air stripper, which has been identified as an air emission point source. The air stripper is exempt from formal permitting requirements; however, monitoring is performed to confirm compliance with NYSDEC-approved air loadings listed in the O&MM. VOC emissions are estimated by mass balance using monitored flow rates, and influent and effluent VOC concentrations. Results are summarized in the chart in Appendix B, which shows that emissions continue to be well within approved levels.

F. Evaluation of Remedy Performance, Effectiveness and Protectiveness

Based upon the results of performance monitoring conducted over the course of time covered by this PRR, the effectiveness of the GWTS and associated Site remedial activities is summarized as follows:

• The GWTS extraction well/trench system is effective at capturing and removing VOC's from the SDA (436 pounds removed since April 2013).

- The GWTS process is effective and meeting program objectives in treating the extracted groundwater sufficiently to comply with effluent sewer use limits.
- Groundwater depression created by operation of the GWTS appears to be effective and meeting program objectives in providing basic hydraulic containment within the SDA, as evidenced by static water level data and groundwater monitoring results for the wells in this area.
- The Site cap and cover systems appear to be generally effective and meeting program objectives in minimizing the potential for contaminant migration, as evidenced by groundwater monitoring results for the downgradient wells in these areas.
- The long-term efficiency of the remedy (natural attenuation supplemented by VOC removal by the GWTS) in achieving ultimate Site cleanup goals remains unclear, as long-term trends in groundwater contaminant concentrations remain difficult to discern; however, this is not uncommon for natural attenuation, which is a comparatively long-term process. The site conditions (including prevalence of vinyl chloride over other chlorinated organic forms) remain amenable to and/or indicative of natural attenuation, and the general stability of the monitoring data demonstrates that the Site activities appear to remain protective of the environment while natural attenuation occurs.

G. Monitoring Deficiencies

Site media monitoring (groundwater and GWTS) was observed to comply with the O&MM monitoring plan, Sewer Discharge Permit requirements, and/or was consistent with routine monitoring completed prior to this reporting period. As was noted in the 2013 Periodic Review Report (PRR), this monitoring does not fully comply with the procedures and parameters outlined in the O&MM, as the monitoring parameter list was altered after the O&MM was prepared (and prior to this monitoring period), among other site/program changes. For example, NYSDEC approved removal of PCB's and metals from the sampling parameter list for groundwater (change approved in NYSDEC correspondence dated 5/30/00), and changes to monitoring wells/locations have been made since the O&MM was prepared. Also, carbon treatment is no longer used as part of the GWTS, though GWTS effluent continues to be monitored at the end of the treatment process (i.e., after the air stripper). And Monroe County Department of Pure Waters has changed the effluent sampling requirements several times since the permit was originally granted.

Most importantly, regardless of site/parameter changes that have occurred since the O&MM was prepared, the parameters and locations considered critical to evaluation of remedial performance and effectiveness continue to be monitored. The O&MM is currently in the midst of being revised and updated.

H. Conclusions and Recommendations for Changes

There are no recommendations for changes or improvements to the current monitoring program.

IV. IC/EC Compliance Report

A. IC/EC Requirements/Compliance

1. A description of source documentation, applicable control, control objective, and how performance of the control is evaluated is provided below:

<u>Operations and Maintenance Manual (O&MM)</u>: The objective of the O&MM is to manage Site contamination that remains above regulatory criteria in a manner that is protective of human health and the environment. The O&MM covers management, operations and monitoring of various Institutional and Engineering Controls. The performance of these controls is evaluated through monitoring and periodic certification.

Controls on the Site covered under the O&MM include:

- GWTS Operations (SDA), which are intended to provide for limited removal of VOC's and to provide a degree of hydraulic containment to limit/prevent contaminant migration. The effectiveness of the GWTS is evaluated based on review of static water levels and analytical monitoring data for nearby groundwater monitoring wells and GWTS influent and effluent monitoring data;
- Cover Systems (NDA and TGA), which are intended to limit and/or prevent stormwater infiltration into contaminated soils, preventing migration of contaminants while the soils undergo the natural attenuation process. The effectiveness of the cover system is evaluated based on review of analytical monitoring data from nearby groundwater monitoring wells;
- Site Stormwater Collection System, which is intended to direct stormwater away from the Site and limit and/or prevent stormwater infiltration into area soils, preventing migration of contaminants while the soils undergo the natural attenuation process. The effectiveness of the stormwater collection system is evaluated based on review of analytical monitoring data from nearby groundwater monitoring wells;
- Facility Access System, which is intended to facilitate access to the Site by authorized personnel while limiting unauthorized access to the remedial areas to minimize the potential for vandalism, outside interference with ongoing remedial processes, and potential third-party exposure to contaminants. The effectiveness of the access system is evaluated based on review of the condition of these access facilities, and the apparent occurrence (or non-occurrence) of unauthorized access incidents.

<u>Record of Decision:</u> The Record of Decision includes requirement for a deed restriction and requirement for notification and approval from NYSDEC prior to any physical alteration or construction constituting a substantial change to the use of the Site. This is intended to assist in management of soil and historic fill material during future activities that would penetrate, encounter or disturb remaining contamination; to prevent human exposure to contaminants; and to protect the environment from migration of contaminants. The effectiveness of the deed restriction is evaluated by adherence to the DEC notification and approval requirements prior to any change in Site use, and in meeting the objectives of the deed restriction as defined above.

2. Status

Each control is fully in place, is being adhered to, and appears to remain generally effective as of the date of this report.

Several cracks were observed in the TGA asphalt and concrete cover system which will need to be addressed to minimize infiltration into this area. Many of these cracks are minor, and there is no evidence to indicate that significant infiltration or adverse impacts upon contaminant migration are occurring; however, the potential infiltration points were noted during the 2014 and 2015 site inspections. To date, the City of Rochester and Monroe County personnel have reviewed the site and site repair needs, and reviewed site lease and operating agreements to determine responsibility for repairs. In accordance with these agreements, Monroe County is responsible for "maintaining the facility consistent with the Site Record of Decision and the New York State approved Operations and Maintenance Manual for the Site". The City of Rochester will continue coordination with Monroe County to complete the repairs to the cap in this area, which are currently anticipated to be completed by the end of 2017.

3. Corrective Measures

None Required

4. Conclusions and Recommendations for Changes

The controls are being effectively implemented as of the date of this report. While no significant changes are deemed necessary, minor recommendations for maintenance and/or improvements to the existing IC/EC's are as described above and in Section VI of this report.

B. Certification

Certification Statement and forms are included as Appendix E to this report.

V. Operation & Maintenance Manual (O&MM) Compliance Report

A. Components of O&MM

Documentation of Site monitoring and inspections completed in accordance with the O&MM requirements are as indicated in the table below. Copies of these logs and inspection forms are included in Appendix D. Media sampling and analytical monitoring activities are as detailed in Section III.A.

| Item | Frequency | | | |
|--------------------------|-----------------------|--|--|--|
| GWTS Operations Log | Daily | | | |
| (Flow, maintenance data) | (when site attended) | | | |
| Cover System Inspection | Quarterly | | | |
| | | | | |
| Stormwater Collection | Periodic | | | |
| System Inspection | (completed quarterly) | | | |
| Facility Access System | Periodic | | | |
| | (completed quarterly) | | | |

B. O&MM Activities

O&MM activities completed during the current reporting period include general maintenance for the GWTS, general maintenance of the cover system (vegetation and soil cover maintenance), and general maintenance of the Site fencing. Additional details on Site activities and dates of completion are included in the Site logs and inspection forms included in Appendix D.

C. Evaluation of Remedial Systems

The O&MM activities completed over the reporting period were appropriate to maintain operational and treatment efficiencies, and to enable the remedial systems to function as intended and as designed in order to meet the remedial objectives.

As noted in the previous (2014) PRR, further enhancement to the remedial performance of the GWTS may be possible if the GWTS is periodically operated in a "pulsed" mode, wherein occasional pump resting periods are used to allow partial groundwater recharge to aid in flushing of soils located above the elevation of the depressed groundwater table. Potential benefits of pulsed GWTS operation include improved remedial effectiveness (flushing of soils increases overall contaminant removal and minimizes potential for "rebound" effect following completion of site remediation), and reduced operating costs (pulsed systems typically require fewer total hours of pump operation to achieve remedial objectives).

Based upon observations made following the extended GWTS shutdown period (2010 to 2013), it does not appear that short-term shut-down of the groundwater pumps would have a significant impact upon contaminant migration. Nonetheless, it is recommended that pulsed operation be automated to monitor the groundwater recharge process, providing for adequate soil flushing while simultaneously ensuring that hydraulic containment is maintained throughout the pump resting periods. It is proposed that only 1 or 2 pump resting periods per year be utilized as part of the pulsed GWTS operation, thus resulting in a relatively minor change to the GWTS operations. It is anticipated that several GWTS maintenance activities that require the system to be off-line can be completed concurrent with the planned pump resting periods.

D. O&MM Deficiencies

As previously noted, the primary deficiency observed in the O&MM is that this manual has not been modified and revised over the years to accurately reflect current Site and remedial conditions.

E. Conclusions and Recommendations for Improvements

The O&MM is currently being revised to reflect and document changes to the GWTS and the associated monitoring program that have occurred since the original OM&M was prepared in 1999, including incorporation of a pulsed GWTS operating mode.

No additional improvements to the O&MM are recommended at this time.

VI. Conclusions and Recommendations

A. Compliance

With exceptions as noted, the requirements of the following plans were met during the reporting period:

- IC/EC requirements.
- Monitoring Plan requirements.
- O&MM requirements.
- B. Performance and Effectiveness of Remedy

An evaluation of the components of the O&MM during this reporting period indicates that, as of the end date of this monitoring period:

- the IC/EC controls appear to remain generally protective of human health and the environment;
- the monitoring plan sufficiently monitored the performance of the remedy;
- applicable components of the O&MM (revision pending) adequately maintain the GWTS; and
- the remedial program is compliant with, and remains capable of, achieving the remedial objectives for the Site.
- C. Recommendations

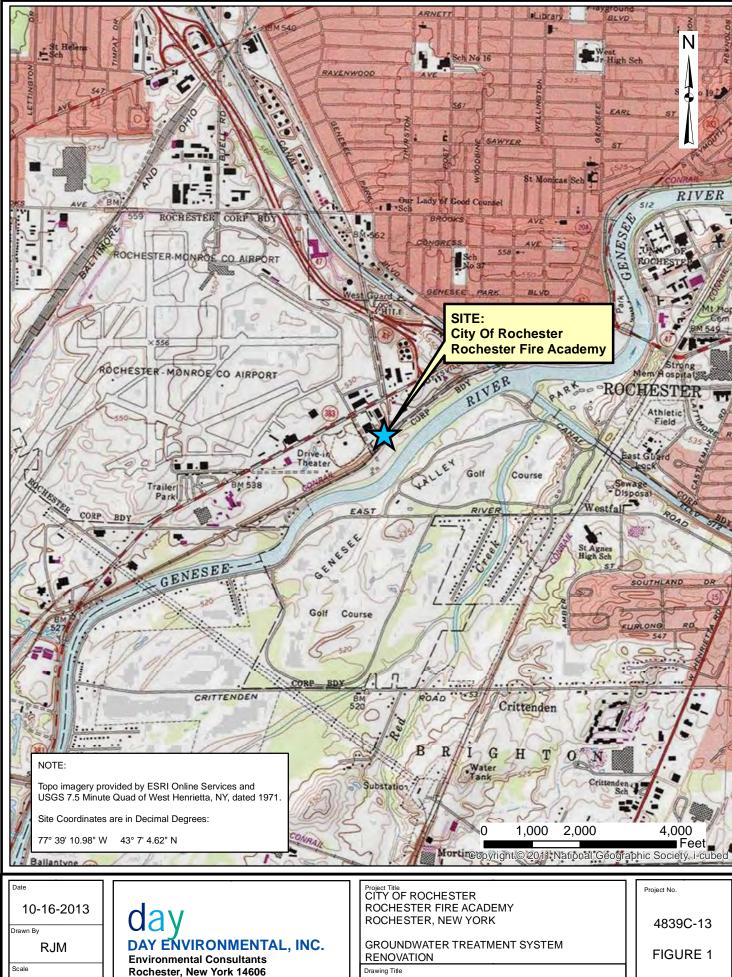
Since residual contaminants remain at the Site, it is recommended that applicable aspects of the O&MM continue to be implemented at this Site

While the Site continues to be operated in general compliance with the remedial plan requirements, and while it has been determined that the remedy is currently meeting the remedial objectives for the Site, the following recommendations are provided in accordance with O&MM requirements, and/or to improve Site and remedial operations, monitoring, and efficiencies:

1. Revision of the O&MM should be completed to reflect and document recent changes to the GWTS and the current monitoring program, as well as to include recommended procedures for intermittent pulsed operation of the GWTS as described in Section V.C. above. The anticipated completion for the O&MM update has been revised to on or before the end of 2016. The revised O&MM will be submitted to NYSDEC for review and approval upon completion.

2. Provide repairs to the TGA cover (cracks and seems in asphalt and concrete cover) in accordance with O&MM requirements to minimize infiltration into this area. Many of these cracks are minor, and there is no evidence to indicate that significant infiltration or adverse impacts upon contaminant migration are occurring; however, the potential infiltration points were noted during the 2014 and 2015 site inspections. The anticipated completion date for repairs to address the integrity of the TGA cap has been revised to on or before the end of 2017, to allow sufficient time for coordination among the multiple governmental entities involved in Site ownership and operations under the lease and operating agreements (as described in Section IV.A.2).

FIGURES

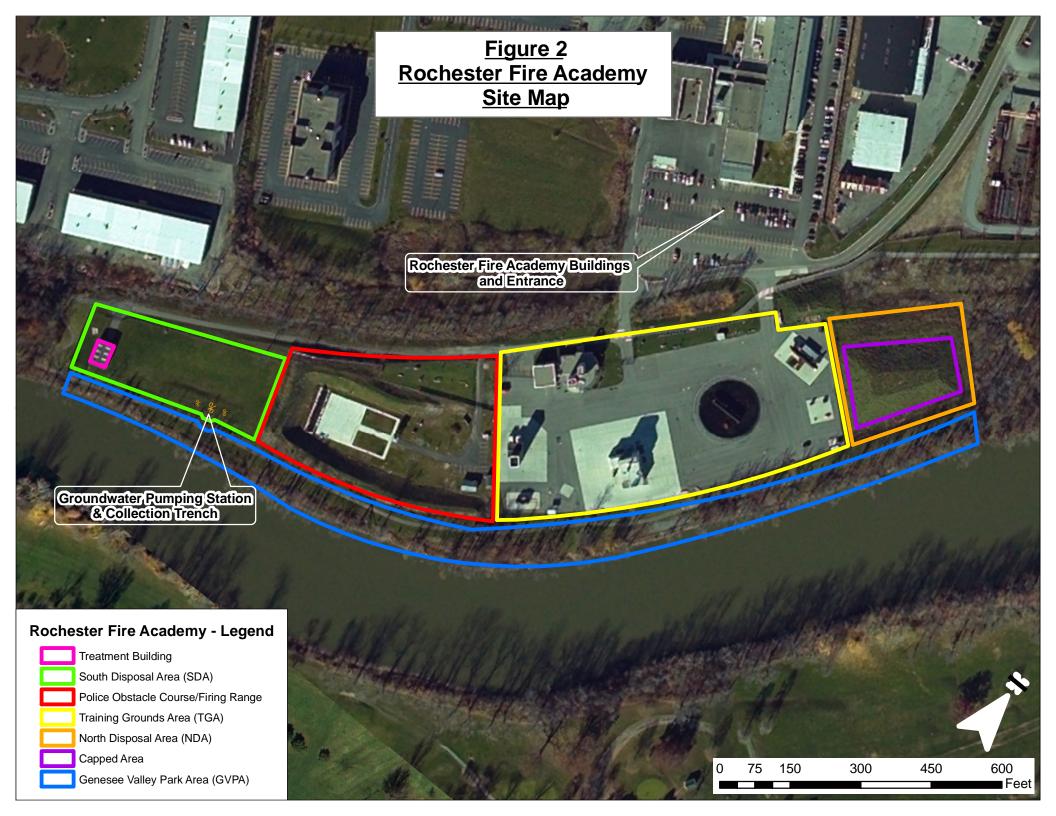


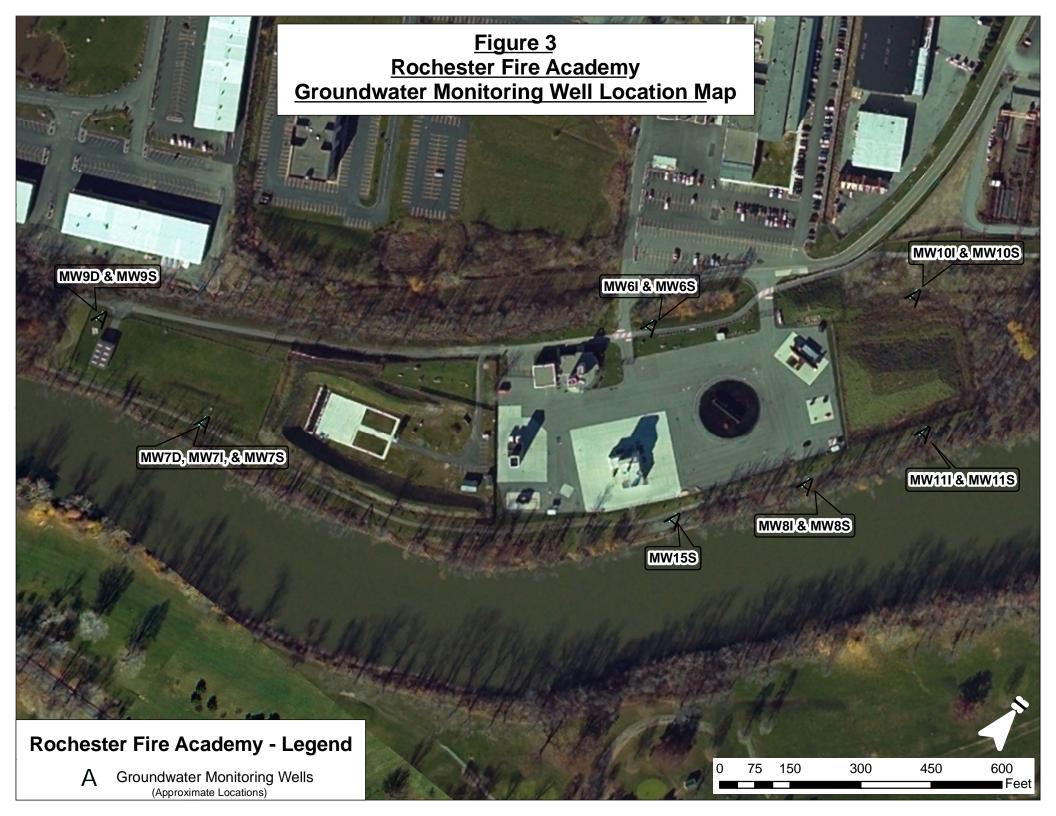
Project Locus Map

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New York, New York 10170





APPENDIX A

ANALYTICAL DATA SUMMARY TABLES

(January 2015 through December 2015)

Rochester Fire Academy GWTS Influent Quarterly Grab Sampling Monitoring Results

| Parameter | 2/25/2015 | 5/29/2015 | 8/21/2015 | 11/24/2015 |
|----------------------------------|-----------|-----------|-----------|------------|
| Total Volatiles (601/602) (ug/L) | | | | |
| Vinyl Chloride | 1340 | 724 | 1130 | 1370 |
| Chloroethane | 310 | ND (200) | 253 | 308 |
| 1,1 - Dichloroethene | ND(200) | ND(200) | ND(200) | 237 |
| 1,1 - Dichloroethane | 3280 | 1270 | 4520 | 8470 |
| 1,1,1 - Trichloroethane | 7150 | 1280 | 6080 | 2770 |
| Trichloroethene | ND(200) | ND(200) | ND(200) | ND(200) |
| Toluene | 650 | ND (200) | 595 | 510 |
| Total Metals (mg/L) | | | | |
| Arsenic | ND(.005) | 0.01 | 0.01 | 0.01 |
| Copper | ND(.0125) | ND(.0125) | ND(.0125) | ND(.0125) |
| Iron (not on IDP) | NS | NS | NS | NS |
| Manganese | NS | NS | NS | NS |
| Selenium | 0.010 | ND(.005) | 0.01 | ND(.005) |
| Zinc | ND(.03) | 0.06 | ND(.03) | ND(.03) |
| Total Pesticides (608) (ug/L) | | | | |
| 4,4-DDD | ND (0.1) | ND(0.1) | ND (0.1) | ND(0.1) |
| 4,4-DDE | ND(0.1) | ND(0.1) | 0.11 | ND(0.1) |
| delta-BHC | ND(0.1) | ND(0.1) | ND(0.1) | ND(0.1) |
| alpha-Chlordane | NS | NS | NS | NS |
| 4,4'-DDT | ND (0.1) | ND (0.1) | ND (0.1) | ND(0.1) |
| Endrin Aldehyde | ND(0.1) | ND(0.1) | ND(0.1) | ND(0.1) |
| Aldrin | 0.11 | ND (0.1) | ND (0.1) | ND(0.1) |
| Heptachlor | ND(0.1) | ND (0.1) | ND(0.1) | ND(0.1) |
| Total Alkalinity (ug/L) | 400 | 390 | 430 | 440 |
| Total Hardness (ug/L) | 626 | 626 | 625 | 624 |

Rochester Fire Academy GWTS Effluent VOC Quarterly Grab Sampling Results

| Parameter | 2/25/2015 | 5/29/2015 | 8/21/2015 | 11/24/2015 |
|----------------------------------|-----------|-----------|-----------|------------|
| Total Volatiles (601/602) (ug/L) | | | | |
| Vinyl Chloride | ND (5.0) | 6.5 | 12.1 | ND(2.0) |
| Chloroethane | ND(5.0) | 2.62 | 5.08 | ND(2.0) |
| 1,1 - Dichloroethene | ND(5.0) | ND(2.0) | 3.32 | ND(2.0) |
| 1,1 - Dichloroethane | 12 | 31.8 | 82.9 | 12.6 |
| 1,2 - Dichloroethane | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| 1,1,1 - Trichloroethane | 9.79 | 26.8 | 110 | ND(2.0) |
| Trichloroethene | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Toluene | ND(5.0) | ND(2.0) | 3.79 | ND(2.0) |

| Rochester Fire Academy |
|---|
| GTWS Effluent |
| Grab Sampling Results (Metals and Phosphorus) |

| Parameter | 2/25/2015 | 5/29/2015 | 8/21/2015 | 11/24/2015 |
|---------------------|-------------|-------------|-------------|-------------|
| Total Metals (mg/L) | | | | |
| Arsenic | ND(.005) | 0.012 | 0.00115 | 0.006 |
| Cadmium | ND(0.0025) | ND(0.0025) | ND(0.0025) | ND(0.0025) |
| Chromium | ND(0.005) | ND(0.005) | ND(0.005) | ND(0.005) |
| Copper | ND (0.0125) | ND (0.0125) | ND (0.0125) | ND (0.0125) |
| Iron (not on IDP) | NS | NS | NS | NS |
| Lead | ND(0.005) | ND(0.005) | ND(0.005) | ND(0.005) |
| Manganese | NS | NS | NS | NS |
| Nickel | ND(0.02) | ND(0.02) | ND(.02) | ND(0.02) |
| Selenium | 0.015 | ND(0.005) | 0.008 | ND(0.005) |
| Zinc | ND(0.03) | 0.039 | ND(0.03) | ND(0.03) |
| Phosphorous (mg/L) | NS | NS | NS | NS |

Rochester Fire Academy GWTS Effluent Grab Sampling Results (pH, PCBs, EPA 8015, and TTO)

| Parameter | 1/15/2015 | 2/25/2015 | 3/17/2015 | 4/22/2015 | 5/29/2015 | 6/19/2015 | 7/17/2015 | 8/21/2015 | 9/28/2015 | 10/22/2015 | 11/24/2015 | 12/21/2015 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|
| pH(SU) | 8.26 | 8.27 | 8.26 | 8.22 | 8.25 | 8.15 | 7.99 | 7.94 | 8.35 | 8.13 | 8.23 | 8.32 |
| Heptaclor | NS | NS | NS |
| Diethyl phthalate | NS | NS | NS |
| Bis(2-ethylhexyl)phthalate | NS | NS | NS |
| Acetone (8015) | 37.5 | 66.5 | 19.4 | 45 | ND(10.0) | 66.9 | 51.9 | 33.4 | 28.4 | 31 | 32.3 | 38.8 |
| 2-Butanone (8015) | 40.2 | 42.8 | 14.7 | 43.8 | ND(10.0) | 70.2 | 60.7 | 52.8 | 51.3 | 50.1 | 55.3 | 57.2 |
| 4-methyl-2-pentanone (8015) | 7.61 | ND(12.5) | 6.84 | 9.28 | ND(5.0) | ND(12.5) | ND(12.5) | ND(5.0) | ND(12.5) | ND(12.5) | ND(5.0) | ND(12.5) |
| Total Toxic Organics (TTO) ² | 38.03 | 21.79 | 23.33 | 129.58 | 67.72 | 113.61 | 241.83 | 217.19 | 8.96 | 10.7 | 12.6 | 24.6 |

Rochester Fire Academy GWTS Air Stripper Emission Estimates

| Total Volatiles (601/602) | | | | | |
|---------------------------|----------------|-----------|-----------|-----------|------------|
| Parameter | O&MM Allowable | 2/25/2015 | 5/29/2015 | 8/21/2015 | 11/24/2015 |
| Vinyl Chloride | 0.004 | 0.0010 | 0.0017 | 0.0020 | 0.0017 |
| 1,1 - Dichloroethane | 0.02 | 0.0025 | 0.0029 | 0.0079 | 0.0106 |
| 1,2 - Dichloroethane | 0.001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 1,1 - Dichloroethene | 0.002 | 0.0000 | 0.0000 | 0.0000 | 0.0003 |
| 1,1,1 - Trichloroethane | 0.158 | 0.0056 | 0.0029 | 0.0107 | 0.0035 |
| Trichloroethene | 0.019 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Toluene | 0.018 | 0.0005 | 0.0000 | 0.0011 | 0.0006 |

| Rochester Fire Academy |
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| Groundwater Monitoring Well Results (20011 - 2015) |

| | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I |
|----------------------------------|-----------|------------|----------|------------|-----------|------------|-----------|------------|-----------|-----------|
| Total Volatiles (601/602) (ug/L) | 6/29/2011 | 11/22/2011 | 6/6/2012 | 11/30/2012 | 5/22/2013 | 11/21/2013 | 5/19/2014 | 11/13/2014 | 5/27/2015 | 11/3/2015 |
| Vinyl Chloride | 6.59 | 7.17 | 3.01 | 14.00 | 6.03 | 9.16 | 4.5 | 4.24 | 4.5 | 3.2 |
| Chloroethane | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| 1,1 - Dichloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| 1,1 - Dichloroethane | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| 1,2 - Dichloroethane | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Tetrachloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| 1,1,1 - Trichloroethane | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Trichloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| MTBE | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Benzene | ND(0.7) | ND(0.7) | ND(0.7) | ND(5.0) | ND(0.7) | ND(0.7) | ND(0.7) | ND(0.7) | ND(0.7) | ND(1.0) |
| Ethylbenzene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Toluene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Methylene Chloride | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) |
| Chloroform | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| trans 1,2-Dichloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |

| Rochester Fire Academy |
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| Groundwater Monitoring Well Results (20011 - 2015) |

| | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D |
|----------------------------------|-----------|------------|----------|------------|-----------|------------|-----------|------------|-----------|-----------|
| Total Volatiles (601/602) (ug/L) | 6/29/2011 | 11/22/2011 | 6/6/2012 | 11/30/2012 | 5/22/2013 | 11/21/2013 | 5/19/2014 | 11/13/2014 | 5/27/2015 | 11/3/2015 |
| Vinyl Chloride | 5.7 | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Chloroethane | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| 1,1 - Dichloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| 1,1 - Dichloroethane | 9.9 | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| 1,2 - Dichloroethane | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Tetrachloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| 1,1,1 - Trichloroethane | 4.0 | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Trichloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| MTBE | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Benzene | ND(0.7) | ND(0.7) | ND(0.7) | ND(5.0) | ND(0.7) | ND(0.7) | ND(0.7) | ND(0.7) | ND(0.7) | ND(1.0) |
| Ethylbenzene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Toluene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Methylene Chloride | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) |
| Chloroform | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| trans 1,2-Dichloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |

| Rochester Fire Academy |
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| Groundwater Monitoring Well Results (20011 - 2015) |

| | MW-71 | MW-71 | MW-71 | MW-71 | MW-71 | MW-71 | MW-7I | MW-7I | MW-7I | MW-7I |
|----------------------------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|-----------|
| Total Volatiles (601/602) (ug/L) | 6/29/2011 | 11/22/2011 | 6/6/2012 | 11/30/2012 | 5/22/2013 | 11/21/2013 | 5/19/2014 | 11/13/2014 | 5/27/2015 | 11/3/2015 |
| Vinyl Chloride | 1930.0 | 2090.0 | 998.0 | 5500.0 | 328.0 | 259.0 | 96.8 | 238 | 182 | 180 |
| Chloroethane | 473.0 | 717.0 | 199.0 | 2200.0 | 117.0 | ND(20.0) | ND(20.0) | ND(20.0) | ND(10.0) | ND(10.0) |
| 1,1 - Dichloroethene | 56.20 | 47.60 | ND(40.0) | 150.00 | ND(20.0) | 22.40 | ND(20.0) | 35.8 | 39.5 | 37.3 |
| 1,1 - Dichloroethane | 2210.0 | 2320.0 | 1220.0 | 6100.0 | 607.0 | 668.0 | 348 | 856 | 684 | 662 |
| 1,2 - Dichloroethane | ND(50.0) | 49.1 | ND(40.0) | 13.0 | ND(20.0) | ND(20.0) | ND(20.0) | ND(20.0) | ND(10.0) | ND(10.0) |
| Tetrachloroethene | ND(2.0) | ND(20.0) | ND(40.0) | 2.2 | ND(40.0) | ND(40.0) | ND(20.0) | ND(20.0) | ND(10.0) | ND(10.0) |
| 1,1,1 - Trichloroethane | 559.0 | 302.0 | 73.5 | 140.0 | 56.5 | 325.0 | 236 | 454 | 528 | 555 |
| Trichloroethene | ND(50.0) | ND(20.0) | ND(40.0) | 12.00 | ND(20.0) | ND(20.0) | ND(20.0) | ND(20.0) | ND(10.0) | ND(10.0) |
| MTBE | ND(50.0) | ND(20.0) | ND(40.0) | ND(5.0) | ND(20.0) | ND(20.0) | ND(20.0) | ND(20.0) | ND(10.0) | ND(10.0) |
| Benzene | ND(17.5) | ND(70.0) | ND(14.0) | 8.2 | ND(7.0) | ND(7.0) | ND(20.0) | ND(20.0) | ND(3.50) | ND(5.0) |
| Ethylbenzene | ND(50.0) | ND(20.0) | ND(40.0) | 4.8 | ND(20.0) | ND(20.0) | ND(20.0) | ND(20.0) | ND(10.0) | ND(10.0) |
| Toluene | ND(50.0) | 42.1 | ND(40.0) | 93.0 | ND(20.0) | ND(20.0) | ND(20.0) | ND(20.0) | 10.6 | 11.6 |
| Methylene Chloride | ND(125.0) | ND(50.0) | ND(100.0) | 24.0 | ND(50.0) | ND(50.0) | ND(20.0) | ND(20.0) | ND(25.0) | ND(25.0) |
| Chloroform | ND(50.0) | ND(20.0) | ND(40.0) | 0.98 | ND(20.0) | ND(20.0) | ND(20.0) | ND(20.0) | ND(10.0) | ND(10.0) |
| trans 1,2-Dichloroethene | ND(50.0) | 47.7 | ND(40.0) | 13.0 | ND(20.0) | ND(20.0) | ND(20.0) | ND(20.0) | ND(10.0) | 11 |

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| Groundwater Monitoring Well Results (20011 - 2015) |

| | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S |
|----------------------------------|-----------|------------|----------|------------|-----------|------------|-----------|------------|-----------|-----------|
| Total Volatiles (601/602) (ug/L) | 6/29/2011 | 11/22/2011 | 6/6/2012 | 11/30/2012 | 5/22/2013 | 11/21/2013 | 5/19/2014 | 11/13/2014 | 5/27/2015 | 11/3/2015 |
| Vinyl Chloride | 264.0 | 97.0 | 273.0 | 34.0 | 306.0 | ND(10.0) | ND(10.0) | ND(10.0) | ND(5.0) | ND(5.0) |
| Chloroethane | 80.7 | 41.9 | 30.6 | 25.0 | 85.6 | 46.7 | ND(10.0) | ND(10.0) | 19.9 | ND(5.0) |
| 1,1 - Dichloroethene | 13.7 | ND(5.0) | 6.2 | 4.3 | ND(20.0) | ND(10.0) | ND(10.0) | ND(10.0) | ND(5.0) | ND(5.0) |
| 1,1 - Dichloroethane | 396.0 | 222.0 | 393.0 | 140.0 | 507.0 | 353.0 | 86.6 | 229 | 129 | 238 |
| 1,2 - Dichloroethane | ND(4.0) | ND(5.0) | 6.8 | 1.9 | ND(20.0) | ND(10.0) | ND(10.0) | ND(10.0) | ND(5.0) | ND(5.0) |
| Tetrachloroethene | ND(4.0) | ND(4.0) | ND(5.0) | 0.5 | ND(20.0) | ND(10.0) | ND(10.0) | ND(10.0) | ND(5.0) | ND(5.0) |
| 1,1,1 - Trichloroethane | 416.0 | 124.0 | 98.8 | 39.0 | 106.0 | 106.0 | 170 | 146 | 139 | 161 |
| Trichloroethene | ND(4.0) | ND(5.0) | ND(5.0) | 7.80 | ND(20.0) | ND(10.0) | ND(10.0) | ND(10.0) | ND(5.0) | ND(5.0) |
| MTBE | ND(4.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(20.0) | ND(10.0) | ND(10.0) | ND(10.0) | ND(5.0) | ND(5.0) |
| Benzene | ND(1.40) | ND(1.75) | ND(1.75) | ND(5.0) | ND(7.0) | ND(3.5) | ND(3.5) | ND(3.5) | ND(1.75) | ND(2.50) |
| Ethylbenzene | 115.0 | 44.1 | 42.1 | 0.5 | 42.8 | 10.6 | ND(10.0) | 4.73 | ND(5.0) | ND(5.0) |
| Toluene | 8.58 | ND(5.0) | ND(5.0) | ND(5.0) | ND(20.0) | ND(10.0) | ND(10.0) | ND(10.0) | ND(5.0) | ND(5.0) |
| Methylene Chloride | ND(10.0) | ND(12.5) | ND(12.5) | ND(5.0) | ND(50.0) | ND(25.0) | ND(25.0) | ND(25.0) | ND(12.5) | ND(12.5) |
| Chloroform | ND(4.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(20.0) | ND(10.0) | ND(10.0) | ND(10.0) | ND(5.0) | ND(5.0) |
| trans 1,2-Dichloroethene | ND(4.0) | ND(5.0) | ND(5.0) | 0.96 | ND(20.0) | ND(10.0) | ND(10.0) | ND(10.0) | ND(5.0) | ND(5.0) |

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| Groundwater Monitoring Well Results (20011 - 2015) |

| | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I |
|----------------------------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|-----------|
| Total Volatiles (601/602) (ug/L) | 6/29/2011 | 11/22/2011 | 6/6/2012 | 11/30/2012 | 5/22/2013 | 11/21/2013 | 5/19/2014 | 11/13/2014 | 5/27/2015 | 11/3/2015 |
| Vinyl Chloride | 182.0 | 423.0 | 211.0 | 320.0 | 220.0 | 206.0 | 180 | 234 | 165 | 228 |
| Chloroethane | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(4.0) | ND(4.0) | ND(5.0) | ND(4.0) | ND(5.0) | ND(5.0) |
| 1,1 - Dichloroethene | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(4.0) | ND(4.0) | ND(5.0) | ND(4.0) | ND(5.0) | ND(5.0) |
| 1,1 - Dichloroethane | ND(5.0) | 6.6 | ND(5.0) | 1.5 | ND(4.0) | ND(4.0) | ND(5.0) | ND(4.0) | ND(5.0) | ND(5.0) |
| 1,2 - Dichloroethane | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(4.0) | ND(4.0) | ND(5.0) | ND(4.0) | ND(5.0) | ND(5.0) |
| Tetrachloroethene | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(4.0) | ND(4.0) | ND(5.0) | ND(4.0) | ND(5.0) | ND(5.0) |
| 1,1,1 - Trichloroethane | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(4.0) | ND(4.0) | ND(5.0) | ND(4.0) | ND(5.0) | ND(5.0) |
| Trichloroethene | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(4.0) | ND(4.0) | ND(5.0) | ND(4.0) | ND(5.0) | ND(5.0) |
| MTBE | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(4.0) | ND(4.0) | ND(5.0) | ND(4.0) | ND(5.0) | ND(5.0) |
| Benzene | ND(01.75) | 1.8 | ND(01.75) | 0.8 | ND(1.4) | ND(1.4) | ND(1.75) | ND(1.4) | ND(1.75) | ND(2.50) |
| Ethylbenzene | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(4.0) | ND(4.0) | ND(5.0) | ND(4.0) | ND(5.0) | ND(5.0) |
| Toluene | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(4.0) | ND(4.0) | ND(5.0) | ND(4.0) | ND(5.0) | ND(5.0) |
| Methylene Chloride | ND(12.5) | ND(12.5) | ND(12.5) | ND(5.0) | ND(10.0) | ND(10.0) | ND(12.5) | ND(10.0) | ND(12.5) | ND(12.5) |
| Chloroform | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(4.0) | ND(4.0) | ND(5.0) | ND(4.0) | ND(5.0) | ND(5.0) |
| trans 1,2-Dichloroethene | ND(5.0) | ND(5.0) | ND(5.0) | 1.0 | ND(4.0) | ND(4.0) | ND(5.0) | ND(4.0) | ND(5.0) | ND(5.0) |

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| Groundwater Monitoring Well Results (20011 - 2015) |

| | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D |
|----------------------------------|-----------|------------|----------|------------|-----------|------------|-----------|------------|-----------|-----------|
| Total Volatiles (601/602) (ug/L) | 6/29/2011 | 11/22/2011 | 6/6/2012 | 11/30/2012 | 5/22/2013 | 11/21/2013 | 5/19/2014 | 11/13/2014 | 5/27/2015 | 11/3/2015 |
| Vinyl Chloride | 54.2 | 27.8 | 14.9 | 120.0 | 35.5 | 73.8 | 38 | 21.7 | ND(2.0) | 15.1 |
| Chloroethane | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| 1,1 - Dichloroethene | ND(2.0) | ND(2.0) | ND(2.0) | 27.0 | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| 1,1 - Dichloroethane | 36.9 | ND(2.0) | 7.2 | ND(5.0) | 6.4 | 17.4 | ND(2.0) | 6.98 | ND(2.0) | 5.4 |
| 1,2 - Dichloroethane | ND(2.0) | 8.1 | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Tetrachloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| 1,1,1 - Trichloroethane | 7.7 | ND(2.0) | ND(2.0) | 3.8 | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Trichloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| MTBE | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Benzene | ND(0.7) | ND(0.7) | ND(0.7) | ND(5.0) | ND(0.7) | ND(0.7) | ND(0.7) | ND(0.7) | ND(0.7) | ND(1.0) |
| Ethylbenzene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Toluene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Methylene Chloride | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) |
| Chloroform | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| trans 1,2-Dichloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |

| Rochester Fire Academy |
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| Groundwater Monitoring Well Results (20011 - 2015) |

| | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I | MW-101 | MW-101 | MW-101 | MW-101 |
|----------------------------------|-----------|------------|----------|------------|-----------|------------|-----------|------------|-----------|-----------|
| Total Volatiles (601/602) (ug/L) | 6/29/2011 | 11/22/2011 | 6/6/2012 | 11/30/2012 | 5/22/2013 | 11/21/2013 | 5/19/2014 | 11/13/2014 | 5/27/2015 | 11/3/2015 |
| Vinyl Chloride | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Chloroethane | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| 1,1 - Dichloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| 1,1 - Dichloroethane | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| 1,2 - Dichloroethane | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Tetrachloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| 1,1,1 - Trichloroethane | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Trichloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| MTBE | 3.50 | 4.00 | 6.09 | 4.10 | 4.72 | 3.85 | 3.36 | 3.54 | 4.04 | 3.38 |
| Benzene | ND(0.7) | ND(0.7) | ND(0.7) | ND(5.0) | ND(0.7) | ND(0.7) | ND(0.7) | ND(0.7) | ND(0.7) | ND(1.0) |
| Ethylbenzene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Toluene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Methylene Chloride | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) |
| Chloroform | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| trans 1,2-Dichloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |

| Rochester Fire Academy |
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| Groundwater Monitoring Well Results (20011 - 2015) |

| | MW-10S | MW-10S | MW-10S | MW-10S | MW-10S | MW-10S | MW-10S | MW-10S | MW-10S | MW-10S |
|----------------------------------|-----------|------------|----------|------------|-----------|------------|-----------|------------|-----------|-----------|
| Total Volatiles (601/602) (ug/L) | 6/29/2011 | 11/22/2011 | 6/6/2012 | 11/30/2012 | 5/22/2013 | 11/21/2013 | 5/19/2014 | 11/13/2014 | 5/27/2015 | 11/3/2015 |
| Vinyl Chloride | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Chloroethane | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| 1,1 - Dichloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| 1,1 - Dichloroethane | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| 1,2 - Dichloroethane | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Tetrachloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| 1,1,1 - Trichloroethane | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Trichloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| MTBE | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Benzene | ND(0.7) | ND(0.7) | ND(0.7) | ND(5.0) | ND(0.7) | ND(0.7) | ND(0.7) | ND(0.7) | ND(0.7) | ND(1.0) |
| Ethylbenzene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Toluene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Methylene Chloride | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) |
| Chloroform | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| trans 1,2-Dichloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |

| Rochester Fire Academy |
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| Groundwater Monitoring Well Results (20011 - 2015) |

| | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I |
|----------------------------------|-----------|------------|----------|------------|-----------|------------|-----------|------------|-----------|-----------|
| Total Volatiles (601/602) (ug/L) | 6/29/2011 | 11/22/2011 | 6/6/2012 | 11/30/2012 | 5/22/2013 | 11/21/2013 | 5/19/2014 | 11/13/2014 | 5/27/2015 | 11/3/2015 |
| Vinyl Chloride | 137.0 | 110.0 | 132.0 | 170.0 | 245.0 | 269.0 | ND(2.0) | 346 | 476 | 435 |
| Chloroethane | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(4.0) | ND(4.0) | ND(2.0) | ND(5.0) | ND(10.0) | ND(10.0) |
| 1,1 - Dichloroethene | ND(2.0) | ND(2.0) | ND(2.0) | 1.9 | ND(4.0) | ND(4.0) | ND(2.0) | ND(5.0) | ND(10.0) | ND(10.0) |
| 1,1 - Dichloroethane | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(4.0) | ND(4.0) | ND(2.0) | ND(5.0) | ND(10.0) | ND(10.0) |
| 1,2 - Dichloroethane | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(4.0) | ND(4.0) | ND(2.0) | ND(5.0) | ND(10.0) | ND(10.0) |
| Tetrachloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(4.0) | ND(4.0) | ND(2.0) | ND(5.0) | ND(10.0) | ND(10.0) |
| 1,1,1 - Trichloroethane | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(4.0) | ND(4.0) | ND(2.0) | ND(5.0) | ND(10.0) | ND(10.0) |
| Trichloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(4.0) | ND(4.0) | ND(2.0) | ND(5.0) | ND(10.0) | ND(10.0) |
| MTBE | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(4.0) | ND(4.0) | ND(2.0) | ND(5.0) | ND(10.0) | ND(10.0) |
| Benzene | ND(0.7) | ND(0.7) | ND(0.7) | ND(5.0) | ND(1.4) | ND(1.4) | ND(0.7) | ND(1.75) | ND(3.50) | ND(5.0) |
| Ethylbenzene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(4.0) | ND(4.0) | ND(2.0) | ND(5.0) | ND(10.0) | ND(10.0) |
| Toluene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(4.0) | ND(4.0) | ND(2.0) | ND(5.0) | ND(10.0) | ND(10.0) |
| Methylene Chloride | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(10.0) | ND(10.0) | ND(5.0) | ND(5.0) | ND(25.0) | ND(25.0) |
| Chloroform | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(4.0) | ND(4.0) | ND(2.0) | ND(5.0) | ND(10.0) | ND(10.0) |
| trans 1,2-Dichloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(4.0) | ND(4.0) | ND(2.0) | ND(5.0) | ND(10.0) | ND(10.0) |

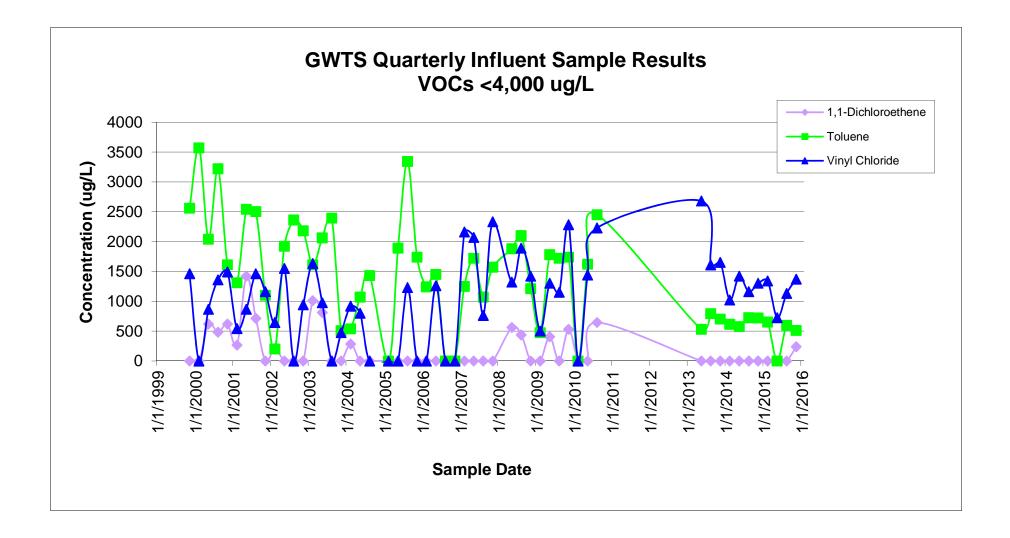
| Rochester Fire Academy |
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| Groundwater Monitoring Well Results (20011 - 2015) |

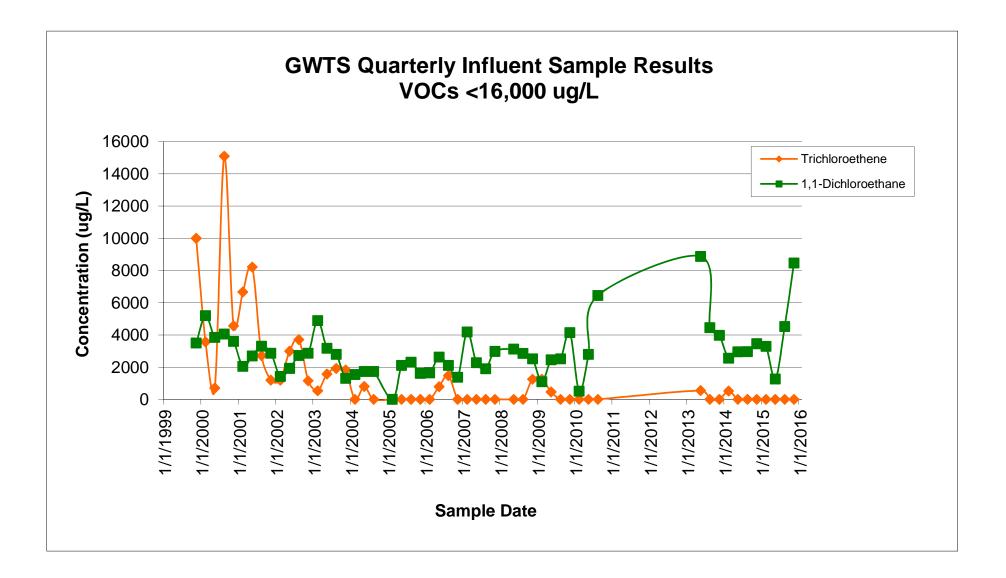
| | MW-15S | MW-15S | MW-15S | MW-15S | MW-15S | MW-15S | MW-15S | MW-15S | MW-15S | MW-15S |
|----------------------------------|-----------|------------|----------|------------|-----------|------------|-----------|------------|-----------|-----------|
| Total Volatiles (601/602) (ug/L) | 6/29/2011 | 11/22/2011 | 6/6/2012 | 11/30/2012 | 5/22/2013 | 11/21/2013 | 5/19/2014 | 11/13/2014 | 5/27/2015 | 11/3/2015 |
| Vinyl Chloride | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Chloroethane | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| 1,1 - Dichloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| 1,1 - Dichloroethane | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| 1,2 - Dichloroethane | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Tetrachloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| 1,1,1 - Trichloroethane | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Trichloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| MTBE | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Benzene | 1.23 | ND(0.7) | ND(0.7) | ND(5.0) | ND(0.7) | ND(0.7) | ND(0.7) | ND(0.7) | ND(0.7) | ND(1.0) |
| Ethylbenzene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Toluene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| Methylene Chloride | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) |
| Chloroform | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |
| trans 1,2-Dichloroethene | ND(2.0) | ND(2.0) | ND(2.0) | ND(5.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |

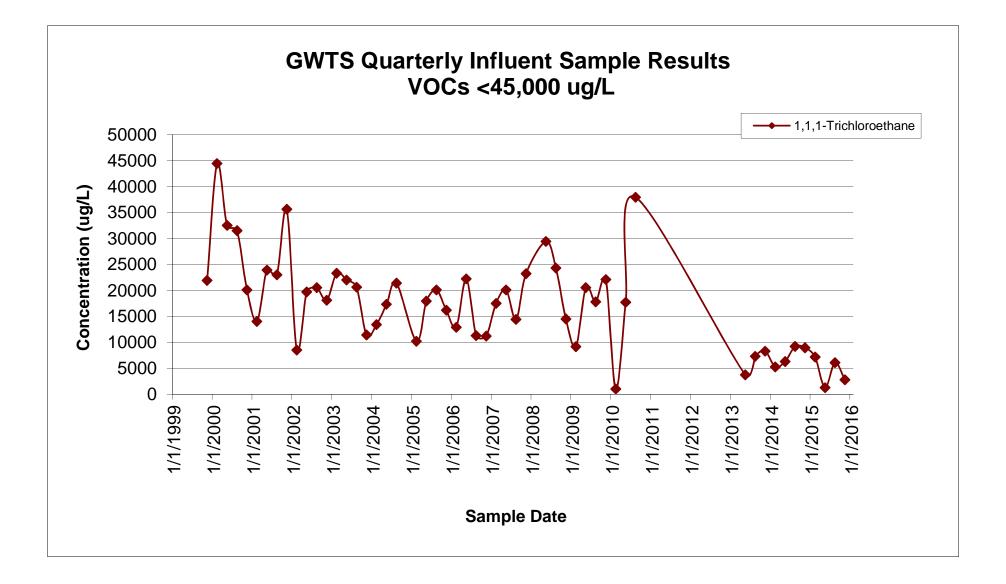
APPENDIX B

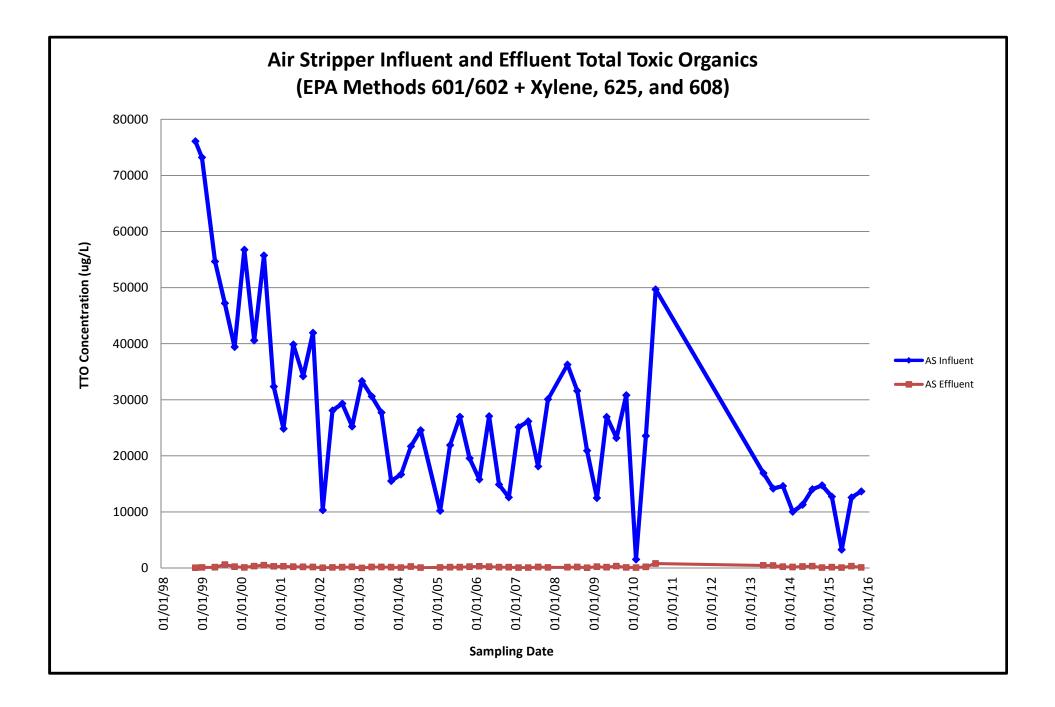
ANALYTICAL DATA CHARTS AND GRAPHS

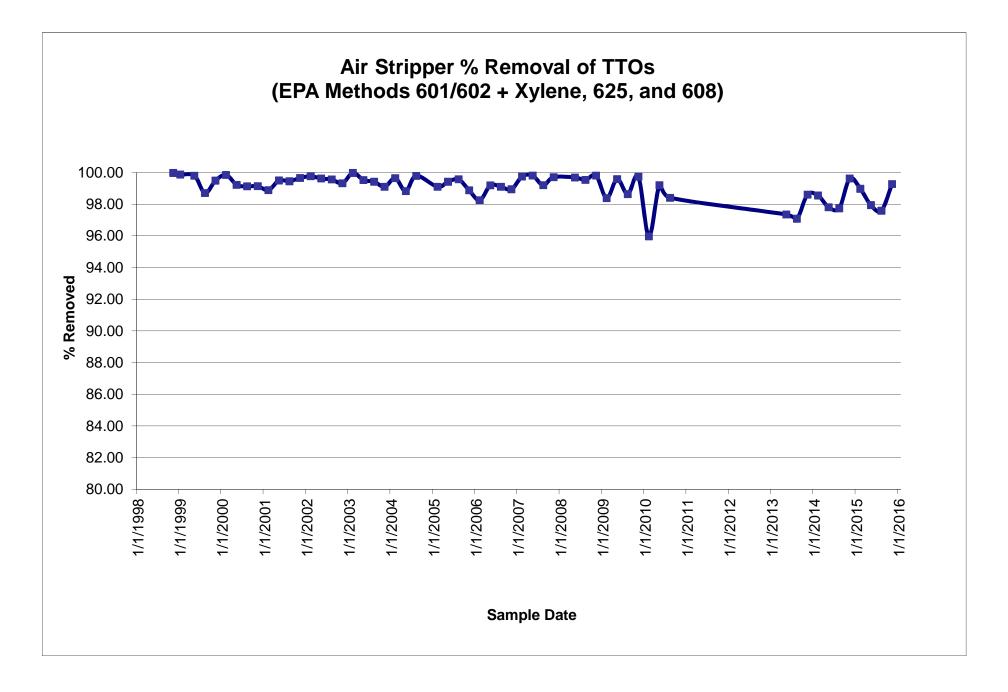
(Parameters of Interest, 1998 through 2015)

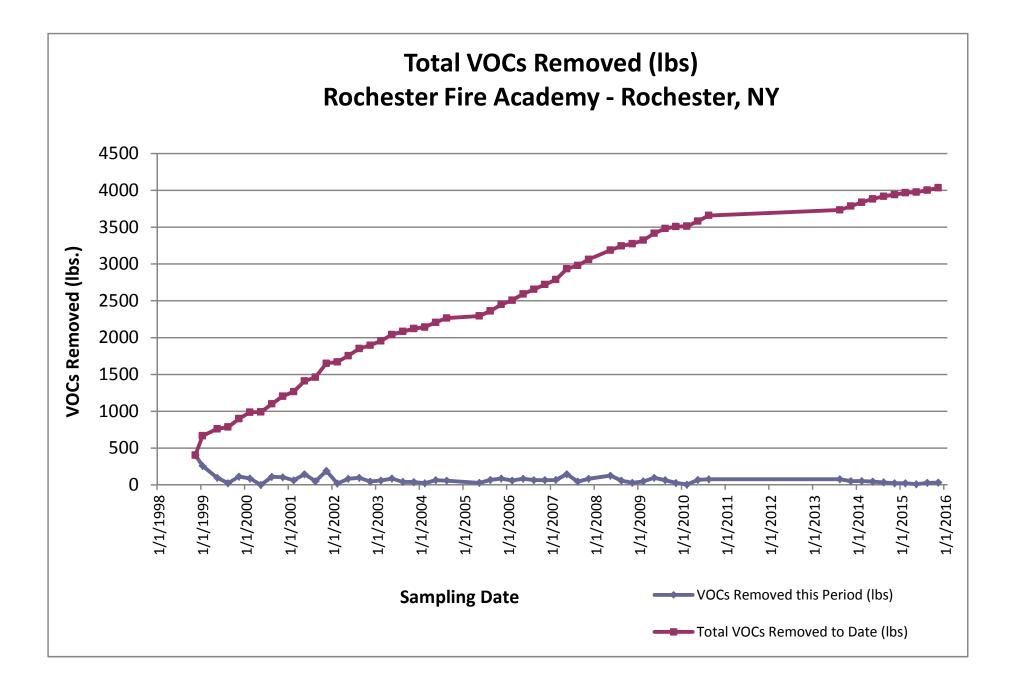


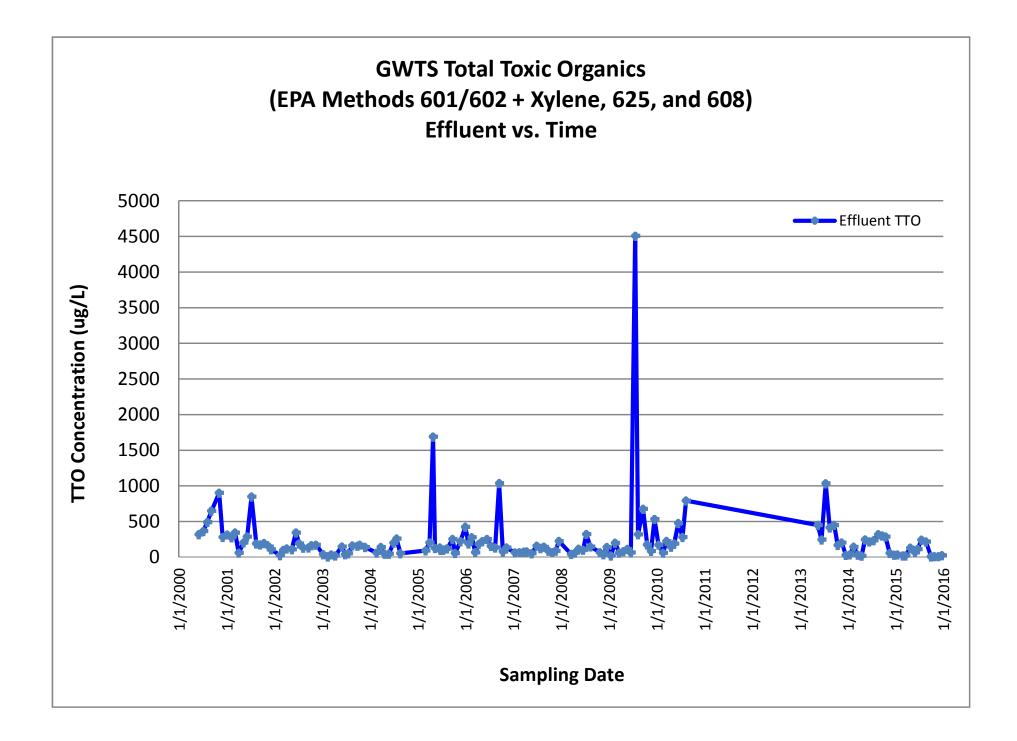


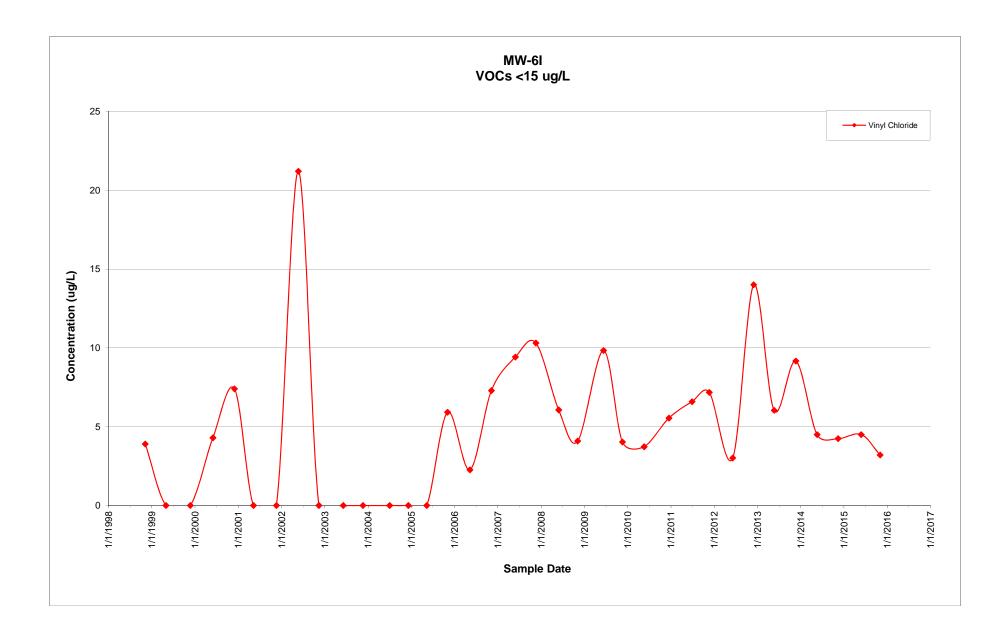








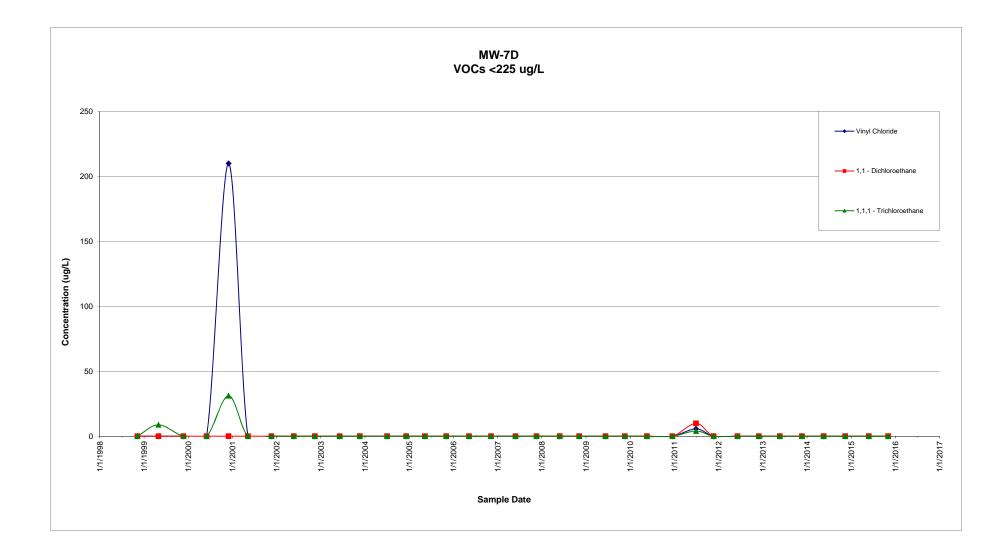




| | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I |
|------------------------------|-----------|----------|------------|----------|------------|----------|------------|-----------|------------|----------|------------|
| Total VOC's (601/602) (ug/L) | 11/8/1998 | 5/1/1999 | 11/23/1999 | 6/1/2000 | 11/30/2000 | 5/9/2001 | 11/19/2001 | 5/23/2002 | 11/13/2002 | 6/6/2003 | 11/20/2003 |
| Vinyl Chloride | 3.90 | 0.00 | 0.00 | 4.30 | 7.40 | 0.00 | 0.00 | 21.20 | 0.00 | 0.00 | 0.00 |

| | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I |
|------------------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|
| Total VOC's (601/602) (ug/L) | 7/2/2004 | 12/7/2004 | 5/11/2005 | 11/3/2005 | 5/10/2006 | 11/8/2006 | 5/29/2007 | 11/19/2007 | 5/29/2008 | 11/6/2008 | 6/11/2009 | 11/18/2009 |
| Vinyl Chloride | 0.00 | 0.00 | 0.00 | 5.92 | 2.26 | 7.29 | 9.42 | 10.30 | 6.06 | 4.09 | 9.83 | 4.03 |

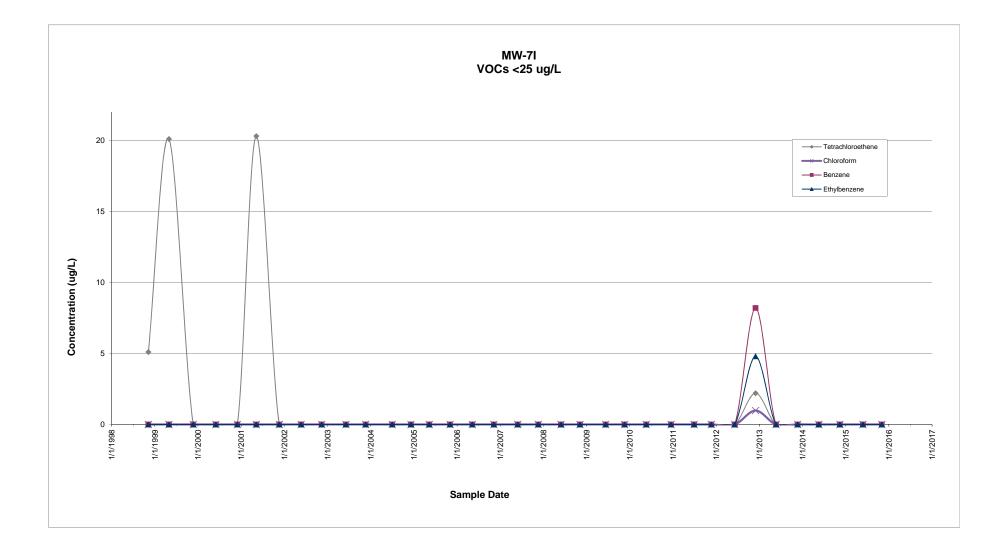
| | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I | MW-6I |
|------------------------------|-----------|------------|-----------|------------|----------|------------|-----------|------------|-----------|------------|-----------|-----------|
| Total VOC's (601/602) (ug/L) | 5/20/2010 | 12/16/2010 | 6/29/2011 | 11/22/2011 | 6/6/2012 | 11/30/2012 | 5/22/2013 | 11/21/2013 | 5/19/2014 | 11/13/2014 | 5/27/2015 | 11/3/2015 |
| Vinyl Chloride | 3.73 | 5.55 | 6.59 | 7.17 | 3.01 | 14.00 | 6.03 | 9.16 | 4.5 | 4.24 | 4.5 | 3.2 |

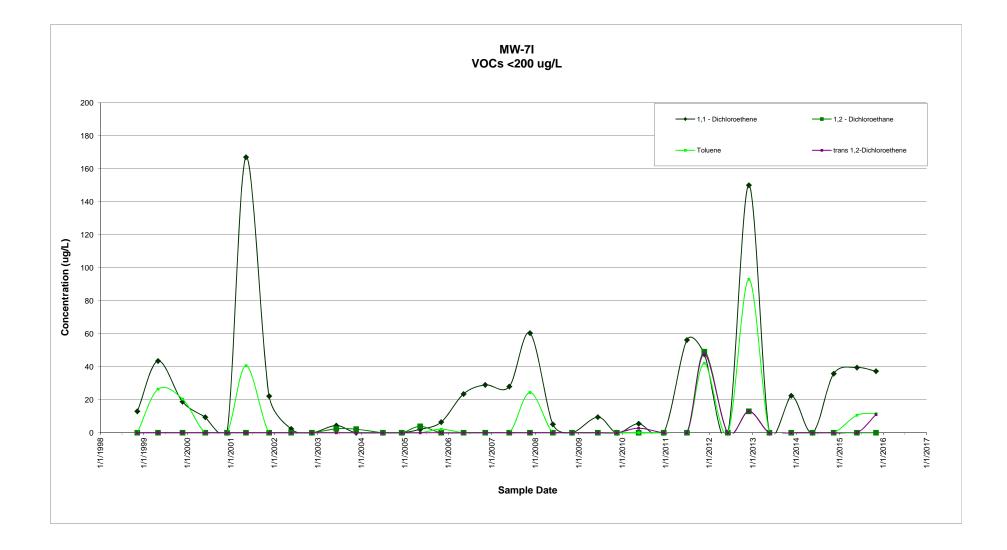


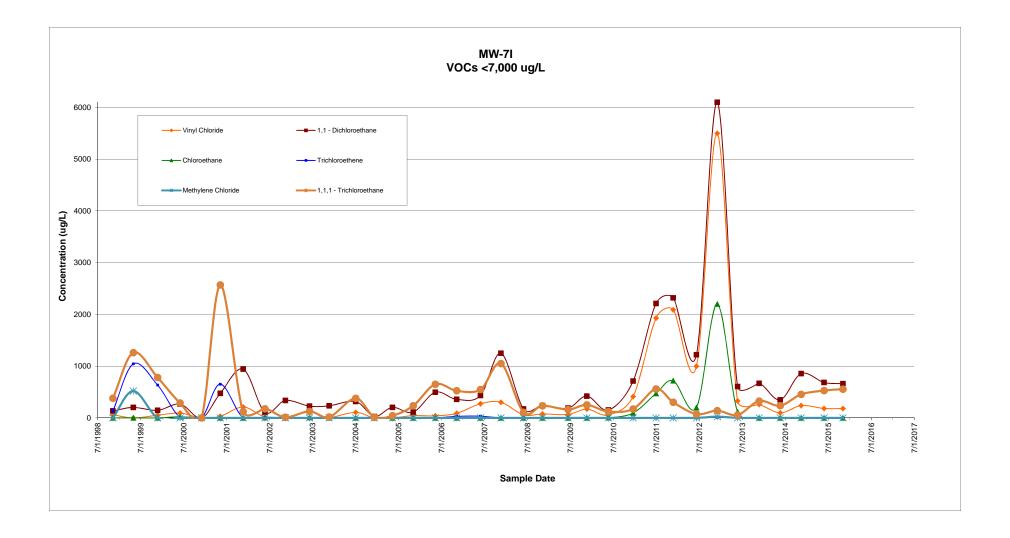
| | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D |
|----------------------------------|-----------|----------|------------|----------|------------|----------|------------|-----------|------------|----------|------------|
| Total Volatiles (601/602) (ug/L) | 11/8/1998 | 5/1/1999 | 11/23/1999 | 6/1/2000 | 11/30/2000 | 5/9/2001 | 11/19/2001 | 5/23/2002 | 11/13/2002 | 6/6/2003 | 11/20/2003 |
| Vinyl Chloride | 0.00 | 0.00 | 0.00 | 0.00 | 210.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,1 - Dichloroethane | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,1,1 - Trichloroethane | 0.00 | 8.80 | 0.00 | 0.00 | 31.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D |
|----------------------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|
| Total Volatiles (601/602) (ug/L) | 7/2/2004 | 12/7/2004 | 5/11/2005 | 11/3/2005 | 5/10/2006 | 11/8/2006 | 5/29/2007 | 11/19/2007 | 5/29/2008 | 11/6/2008 | 6/11/2009 | 11/18/2009 |
| Vinyl Chloride | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,1 - Dichloroethane | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,1,1 - Trichloroethane | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D | MW-7D |
|----------------------------------|-----------|------------|-----------|------------|----------|------------|-----------|------------|-----------|------------|-----------|-----------|
| Total Volatiles (601/602) (ug/L) | 5/20/2010 | 12/16/2010 | 6/29/2011 | 11/22/2011 | 6/6/2012 | 11/30/2012 | 5/22/2013 | 11/21/2013 | 5/19/2014 | 11/13/2014 | 5/27/2015 | 11/3/2015 |
| Vinyl Chloride | 0.00 | 0.00 | 5.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,1 - Dichloroethane | 0.00 | 0.00 | 9.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,1,1 - Trichloroethane | 0.00 | 0.00 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

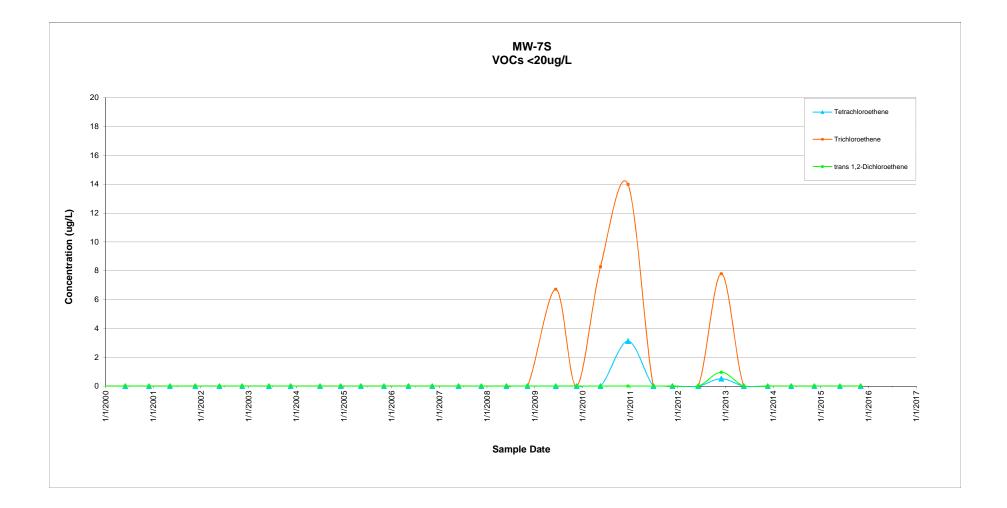


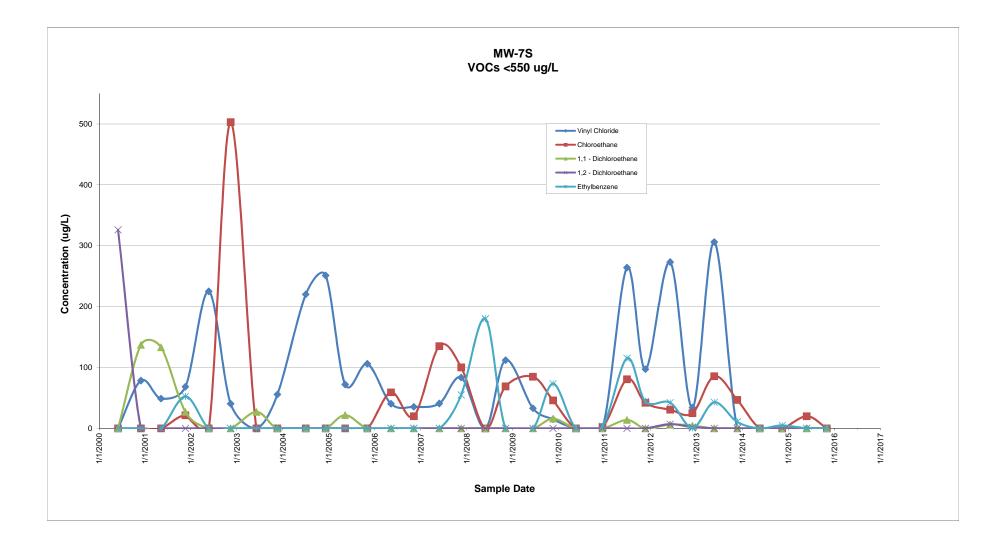


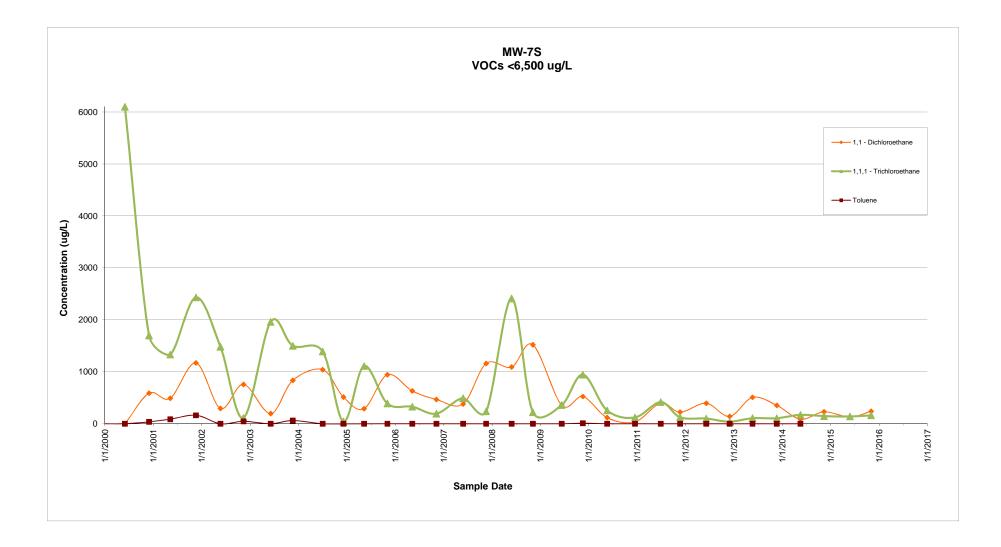


| | MW-7I | MW-7I | MW-7I | MW-7I | MW-7I | MW-7I | MW-7I | MW-7I | MW-71 | MW-71 | MW-71 | |
|---|--|--|--|--|--|--|--|--|--|--|--|---|
| Total Volatiles (601/602) (ug/L) | 11/8/1998 | 5/1/1999 | 11/23/1999 | 6/1/2000 | 11/30/2000 | 5/9/2001 | 11/19/2001 | 5/23/2002 | 11/13/2002 | 6/6/2003 | 11/20/2003 | 1 |
| Tetrachloroethene | 5.10 | 20.10 | 0.00 | 0.00 | 0.00 | 20.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1 |
| Chloroform | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1 |
| Benzene | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1 |
| Ethylbenzene | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1 |
| | | | | • | | | • | | • | • | | - |
| | MW-7I | MW-7I | MW-7I | MW-7I | MW-7I | MW-7I | MW-7I | MW-7I | MW-71 | MW-71 | MW-71 | ו |
| Total Volatiles (601/602) (ug/L) | 11/8/1998 | 5/1/1999 | 11/23/1999 | 6/1/2000 | 11/30/2000 | 5/9/2001 | 11/19/2001 | 5/23/2002 | 11/13/2002 | 6/6/2003 | 11/20/2003 | 1 |
| Vinyl Chloride | 60.50 | 0.00 | 51.50 | 92.40 | 0.00 | 31.70 | 210.00 | 16.70 | 4.10 | 0.00 | 2.67 | 1 |
| 1,1 - Dichloroethane | 135.00 | 201.30 | 146.00 | 266.00 | 0.00 | 475.00 | 943.00 | 110.00 | 337.00 | 227.00 | 233.00 | 1 |
| Chloroethane | 0.00 | 0.00 | 0.00 | 21.50 | 0.00 | 0.00 | 0.00 | 5.14 | 0.00 | 7.81 | 0.00 | 1 |
| Trichloroethene | 136.00 | 1044.50 | 635.00 | 9.39 | 0.00 | 652.00 | 0.00 | 13.00 | 0.00 | 3.84 | 0.00 | 1 |
| Methylene Chloride | 0.00 | 520.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1 |
| 1,1,1 - Trichloroethane | 380.00 | 1260.50 | 781.00 | 288.00 | 0.00 | 2570.00 | 121.00 | 176.00 | 13.10 | 126.00 | 17.00 | |
| | | | | | | | | | | | | 4 |
| | MW-7I | MW-7I | MW-7I | MW-7I | MW-7I | MW-7I | MW-7I | MW-7I | MW-71 | MW-71 | MW-71 |] |
| Total Volatiles (601/602) (ug/L) | 11/8/1998 | 5/1/1999 | 11/23/1999 | 6/1/2000 | 11/30/2000 | 5/9/2001 | 11/19/2001 | 5/23/2002 | 11/13/2002 | 6/6/2003 | 11/20/2003 | 1 |
| 1,1 - Dichloroethene | 13.00 | 43.50 | 18.80 | 9.41 | 0.00 | 167.00 | 22.20 | 2.33 | 0.00 | 4.34 | 0.00 | |
| 1.2 - Dichloroethane | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 2.15 | |
| 1,2 Diemotoculane | | | 20.40 | 0.00 | 0.00 | 40.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Toluene | 0.00 | 26.40 | 20.40 | 0.00 | | 40.00 | 0.00 | | | | | |
|) | 0.00 | 26.40 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |] |
| Toluene | | | | | | | | | | | | MW-71 |
| Toluene | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Toluene trans 1,2-Dichloroethene | 0.00 MW-71 | 0.00 MW-71 | 0.00 MW-71 | 0.00 MW-71 | 0.00 MW-71 | 0.00 MW-71 | 0.00 MW-71 | 0.00 MW-71 | 0.00 MW-71 | 0.00 MW-71 | 0.00 MW-71 | |
| Toluene trans 1,2-Dichloroethene Total Volatiles (601/602) (ug/L) | 0.00 MW-71 7/2/2004 | 0.00 MW-71 12/7/2004 | 0.00 MW-71 5/11/2005 | 0.00 MW-71 11/3/2005 | 0.00 MW-71 5/10/2006 | 0.00 MW-71 11/8/2006 | 0.00 MW-71 5/29/2007 | 0.00 MW-71 11/19/2007 | 0.00 MW-71 5/29/2008 | 0.00 MW-71 11/6/2008 | 0.00 MW-71 6/11/2009 | 11/18/2009 |
| Total Volatiles (601/602) (ug/L) Tetrachloroethene | 0.00 MW-71 7/2/2004 0.00 | 0.00 MW-71 12/7/2004 0.00 | 0.00 MW-71 5/11/2005 0.00 | 0.00 MW-71 11/3/2005 0.00 | 0.00 MW-71 5/10/2006 0.00 | 0.00 MW-71 11/8/2006 0.00 | 0.00 MW-71 5/29/2007 0.00 | 0.00 MW-71 11/19/2007 0.00 | 0.00 MW-71 5/29/2008 0.00 | 0.00 MW-71 11/6/2008 0.00 | 0.00 MW-71 6/11/2009 0.00 | 11/18/2009 0.00 |
| Total Volatiles (601/602) (ug/L) Tetrachloroethene Chloroform | 0.00 MW-71 7/2/2004 0.00 0.00 | 0.00 MW-71 12/7/2004 0.00 0.00 | 0.00 MW-71 5/11/2005 0.00 0.00 | 0.00 MW-71 11/3/2005 0.00 0.00 | 0.00 MW-71 5/10/2006 0.00 0.00 | 0.00 MW-71 11/8/2006 0.00 0.00 | 0.00 MW-71 5/29/2007 0.00 0.00 | 0.00 MW-71 11/19/2007 0.00 0.00 | 0.00 MW-71 5/29/2008 0.00 0.00 | 0.00 MW-71 11/6/2008 0.00 0.00 | 0.00 MW-71 6/11/2009 0.00 0.00 | 11/18/2009 0.00 0.00 |
| Toluene trans 1,2-Dichloroethene Total Volatiles (601/602) (ug/L) Tetrachloroethene Chloroform Benzene | 0.00 MW-71 7/2/2004 0.00 0.00 0.00 | 0.00 MW-71 12/7/2004 0.00 0.00 0.00 | 0.00 MW-71 5/11/2005 0.00 0.00 0.00 | 0.00 MW-71 11/3/2005 0.00 0.00 0.00 | 0.00 MW-71 5/10/2006 0.00 0.00 0.00 | 0.00 MW-71 11/8/2006 0.00 0.00 0.00 | 0.00 MW-71 5/29/2007 0.00 0.00 0.00 | 0.00 MW-71 11/19/2007 0.00 0.00 0.00 | 0.00 MW-71 5/29/2008 0.00 0.00 0.00 | 0.00 MW-71 11/6/2008 0.00 0.00 0.00 | 0.00 MW-71 6/11/2009 0.00 0.00 0.00 | 11/18/2009 0.00 0.00 0.00 |
| Toluene trans 1,2-Dichloroethene Total Volatiles (601/602) (ug/L) Tetrachloroethene Chloroform Benzene | 0.00 MW-71 7/2/2004 0.00 0.00 0.00 | 0.00 MW-71 12/7/2004 0.00 0.00 0.00 | 0.00 MW-71 5/11/2005 0.00 0.00 0.00 | 0.00 MW-71 11/3/2005 0.00 0.00 0.00 | 0.00 MW-71 5/10/2006 0.00 0.00 0.00 | 0.00 MW-71 11/8/2006 0.00 0.00 0.00 | 0.00 MW-71 5/29/2007 0.00 0.00 0.00 | 0.00 MW-71 11/19/2007 0.00 0.00 0.00 | 0.00 MW-71 5/29/2008 0.00 0.00 0.00 | 0.00 MW-71 11/6/2008 0.00 0.00 0.00 | 0.00 MW-71 6/11/2009 0.00 0.00 0.00 | 11/18/2009 0.00 0.00 0.00 |
| Toluene trans 1,2-Dichloroethene Total Volatiles (601/602) (ug/L) Tetrachloroethene Chloroform Benzene | 0.00 MW-71 7/2/2004 0.00 0.00 0.00 0.00 | 0.00 MW-71 12/7/2004 0.00 0.00 0.00 0.00 | 0.00 MW-71 5/11/2005 0.00 0.00 0.00 | 0.00 MW-71 11/3/2005 0.00 0.00 0.00 0.00 | 0.00 MW-71 5/10/2006 0.00 0.00 0.00 0.00 | 0.00 MW-71 11/8/2006 0.00 0.00 0.00 0.00 | 0.00 MW-71 5/29/2007 0.00 0.00 0.00 0.00 | 0.00 MW-71 11/19/2007 0.00 0.00 0.00 0.00 | 0.00 MW-71 5/29/2008 0.00 0.00 0.00 0.00 | 0.00 MW-71 11/6/2008 0.00 0.00 0.00 0.00 | 0.00 MW-71 6/11/2009 0.00 0.00 0.00 | 11/18/2009 0.00 0.00 0.00 0.00 MW-71 |
| Toluene trans 1,2-Dichloroethene Total Volatiles (601/602) (ug/L) Tetrachloroethene Chloroform Benzene Ethylbenzene | 0.00 MW-71 7/2/2004 0.00 0.00 0.00 0.00 MW-71 | 0.00 MW-71 12/7/2004 0.00 0.00 0.00 0.00 MW-71 | 0.00 MW-71 5/11/2005 0.00 0.00 0.00 0.00 MW-71 | 0.00 MW-71 11/3/2005 0.00 0.00 0.00 0.00 MW-71 | 0.00 MW-71 5/10/2006 0.00 0.00 0.00 0.00 MW-71 | 0.00 MW-71 11/8/2006 0.00 0.00 0.00 0.00 MW-71 | 0.00 MW-71 5/29/2007 0.00 0.00 0.00 0.00 MW-71 | 0.00 MW-71 11/19/2007 0.00 0.00 0.00 0.00 MW-71 | 0.00 MW-71 5/29/2008 0.00 0.00 0.00 0.00 MW-71 | 0.00 MW-71 11/6/2008 0.00 0.00 0.00 0.00 MW-71 | 0.00 MW-71 6/11/2009 0.00 0.00 0.00 0.00 0.00 MW-71 | 11/18/2009 0.00 0.00 0.00 0.00 MW-71 |
| Total Volatiles (601/602) (ug/L) Tetrachloroethene Chloroform Benzene Ethylbenzene Total Volatiles (601/602) (ug/L) | 0.00 MW-71 7/2/2004 0.00 0.00 0.00 0.00 MW-71 7/2/2004 | 0.00 MW-71 12/7/2004 0.00 0.00 0.00 0.00 MW-71 12/7/2004 | 0.00 MW-71 5/11/2005 0.00 0.00 0.00 0.00 MW-71 5/11/2005 | 0.00 MW-71 11/3/2005 0.00 0.00 0.00 0.00 MW-71 11/3/2005 | 0.00 MW-71 5/10/2006 0.00 0.00 0.00 0.00 MW-71 5/10/2006 | 0.00 MW-71 11/8/2006 0.00 0.00 0.00 0.00 MW-71 11/8/2006 | 0.00 MW-71 5/29/2007 0.00 0.00 0.00 0.00 MW-71 5/29/2007 | 0.00 MW-71 11/19/2007 0.00 0.00 0.00 0.00 MW-71 11/19/2007 | 0.00 MW-71 5/29/2008 0.00 0.00 0.00 0.00 MW-71 5/29/2008 | 0.00 MW-71 11/6/2008 0.00 0.00 0.00 0.00 MW-71 11/6/2008 | 0.00 MW-71 6/11/2009 0.00 0.00 0.00 0.00 MW-71 6/11/2009 | 11/18/2009 0.00 0.00 0.00 0.00 MW-71 11/18/2009 |
| Total Volatiles (601/602) (ug/L) Tetrachloroethene Chloroform Benzene Ethylbenzene Total Volatiles (601/602) (ug/L) Vinyl Chloride | 0.00 MW-71 7/2/2004 0.00 0.00 0.00 0.00 MW-71 7/2/2004 106.00 | 0.00 MW-71 12/7/2004 0.00 0.00 0.00 0.00 MW-71 12/7/2004 0.00 | 0.00 MW-71 5/11/2005 0.00 0.00 0.00 0.00 MW-71 5/11/2005 0.00 | 0.00 MW-71 11/3/2005 0.00 0.00 0.00 0.00 MW-71 11/3/2005 43.50 | 0.00 MW-71 5/10/2006 0.00 0.00 0.00 0.00 0.00 MW-71 5/10/2006 39.50 | 0.00 MW-71 11/8/2006 0.00 0.00 0.00 0.00 MW-71 11/8/2006 89.20 | 0.00 MW-71 5/29/2007 0.00 0.00 0.00 0.00 MW-71 5/29/2007 273.00 | 0.00 MW-71 11/19/2007 0.00 0.00 0.00 0.00 MW-71 11/19/2007 301.00 | 0.00 MW-71 5/29/2008 0.00 0.00 0.00 0.00 MW-71 5/29/2008 58.6 | 0.00 MW-71 11/6/2008 0.00 0.00 0.00 0.00 MW-71 11/6/2008 76.90 | 0.00 MW-71 6/11/2009 0.00 0.00 0.00 0.00 MW-71 6/11/2009 66.2 | 11/18/2009 0.00 0.00 0.00 0.00 0.00 0.00 MW-71 11/18/2009 170.00 |
| Toluene trans 1,2-Dichloroethene Total Volatiles (601/602) (ug/L) Tetrachloroethene Chloroform Benzene Ethylbenzene Total Volatiles (601/602) (ug/L) Vinyl Chloride 1,1 - Dichloroethane | 0.00 MW-71 7/2/2004 0.00 0.00 0.00 0.00 MW-71 7/2/2004 106.00 317.00 | 0.00 MW-71 12/7/2004 0.00 0.00 0.00 0.00 MW-71 12/7/2004 0.00 28.00 | 0.00 MW-71 5/11/2005 0.00 0.00 0.00 0.00 MW-71 5/11/2005 0.00 203.00 | 0.00 MW-71 11/3/2005 0.00 0.00 0.00 0.00 MW-71 11/3/2005 43.50 111.00 | 0.00 MW-71 5/10/2006 0.00 0.00 0.00 0.00 MW-71 5/10/2006 39.50 496.00 | 0.00 MW-71 11/8/2006 0.00 0.00 0.00 0.00 MW-71 11/8/2006 89.20 359.00 | 0.00 MW-71 5/29/2007 0.00 0.00 0.00 0.00 MW-71 5/29/2007 273.00 433.00 | 0.00 MW-71 11/19/2007 0.00 0.00 0.00 0.00 MW-71 11/19/2007 301.00 1250.00 | 0.00 MW-71 5/29/2008 0.00 0.00 0.00 0.00 MW-71 5/29/2008 58.6 172 | 0.00 MW-71 11/6/2008 0.00 0.00 0.00 0.00 0.00 MW-71 11/6/2008 76.90 239.00 | 0.00 MW-71 6/11/2009 0.00 | 11/18/2009 0.00 0.00 0.00 0.00 MW-71 11/18/2009 170.00 421.00 |
| Toluene trans 1,2-Dichloroethene Total Volatiles (601/602) (ug/L) Tetrachloroethene Chloroform Benzene Ethylbenzene Total Volatiles (601/602) (ug/L) Vinyl Chloride 1,1 - Dichloroethane Chloroethane | 0.00 MW-71 7/2/2004 0.00 0.00 0.00 0.00 0.00 MW-71 7/2/2004 106.00 317.00 0.00 | 0.00 MW-71 12/7/2004 0.00 0.00 0.00 MW-71 12/7/2004 0.00 28.00 0.00 | 0.00 MW-71 5/11/2005 0.00 0.00 0.00 0.00 MW-71 5/11/2005 0.00 203.00 0.00 | 0.00 MW-71 11/3/2005 0.00 0.00 0.00 MW-71 11/3/2005 43.50 111.00 0.00 | 0.00 MW-71 5/10/2006 0.00 0.00 0.00 0.00 MW-71 5/10/2006 39.50 496.00 0.00 | 0.00 MW-71 11/8/2006 0.00 0.00 0.00 MW-71 11/8/2006 89.20 359.00 0.00 | 0.00 MW-71 5/29/2007 0.00 0.00 0.00 MW-71 5/29/2007 273.00 433.00 0.00 | 0.00 MW-71 11/19/2007 0.00 0.00 0.00 0.00 MW-71 11/19/2007 301.00 1250.00 0.00 | 0.00 MW-71 5/29/2008 0.00 0.00 0.00 0.00 MW-71 5/29/2008 58.6 172 0.00 | 0.00 MW-71 11/6/2008 0.00 0.00 0.00 0.00 MW-71 11/6/2008 76.90 239.00 0.00 | 0.00 MW-71 6/11/2009 0.00 0.00 0.00 0.00 0.00 MW-71 6/11/2009 66.2 189.0 0.00 | 11/18/2009 0.00 0.00 0.00 0.00 0.00 MW-71 11/18/2009 170.00 421.00 0.00 |
| Toluene trans 1,2-Dichloroethene Total Volatiles (601/602) (ug/L) Tetrachloroethene Chloroform Benzene Ethylbenzene Total Volatiles (601/602) (ug/L) Vinyl Chloride 1,1 - Dichloroethane Chloroethane Trichloroethene | 0.00 MW-71 7/2/2004 0.00 0.00 0.00 0.00 0.00 MW-71 7/2/2004 106.00 317.00 0.00 0.00 | 0.00 MW-71 12/7/2004 0.00 0.00 0.00 MW-71 12/7/2004 0.00 28.00 0.00 0.00 | 0.00 MW-71 5/11/2005 0.00 0.00 0.00 0.00 MW-71 5/11/2005 0.00 203.00 0.00 0.00 | 0.00 MW-71 11/3/2005 0.00 0.00 0.00 0.00 MW-71 11/3/2005 43.50 111.00 0.00 0.00 | 0.00 MW-71 5/10/2006 0.00 0.00 0.00 0.00 MW-71 5/10/2006 39.50 496.00 0.00 0.00 | 0.00 MW-71 11/8/2006 0.00 0.00 0.00 MW-71 11/8/2006 89.20 359.00 0.00 29.80 | 0.00 MW-71 5/29/2007 0.00 0.00 0.00 0.00 MW-71 5/29/2007 273.00 433.00 0.00 32.70 | 0.00 MW-71 11/19/2007 0.00 0.00 0.00 0.00 MW-71 11/19/2007 301.00 1250.00 0.00 0.00 | 0.00 MW-71 5/29/2008 0.00 0.00 0.00 0.00 MW-71 5/29/2008 58.6 172 0.00 2.25 | 0.00 MW-71 11/6/2008 0.00 0.00 0.00 0.00 MW-71 11/6/2008 76.90 239.00 0.00 0.00 | 0.00 MW-71 6/11/2009 0.00 0.00 0.00 0.00 0.00 MW-71 6/11/2009 66.2 189.0 0.00 2.70 | 11/18/2009 0.00 0.00 0.00 0.00 0.00 11/18/2009 170.00 421.00 0.00 0.00 |
| Total Volatiles (601/602) (ug/L) Total Volatiles (601/602) (ug/L) Tetrachloroothene Chloroform Benzene Ethylbenzene Total Volatiles (601/602) (ug/L) Vinyl Chloride 1,1 - Dichloroethane Chloroethane Trichloroethane Methylene Chloride | 0.00 MW-71 7/2/2004 0.00 0.00 0.00 0.00 0.00 317.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 MW-71 12/7/2004 0.00 0.00 0.00 0.00 0.00 MW-71 12/7/2004 0.00 28.00 0.00 0.00 0.00 0.00 14.60 | 0.00 MW-71 5/11/2005 0.00 0.00 0.00 0.00 0.00 203.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 MW-71 11/3/2005 0.00 0.00 0.00 0.00 0.00 MW-71 11/3/2005 43.50 111.00 0.00 0.00 0.00 0.00 0.00 | 0.00 MW-71 5/10/2006 0.00 0.00 0.00 0.00 0.00 39.50 496.00 0.00 0.00 0.00 0.00 | 0.00 MW-71 11/8/2006 0.00 0.00 0.00 0.00 0.00 0.00 MW-71 11/8/2006 89.20 359.00 0.00 29.80 0.00 525.00 | 0.00 MW-71 5/29/2007 0.00 0.00 0.00 0.00 0.00 MW-71 5/29/2007 273.00 433.00 0.00 32.70 0.00 548.00 | 0.00 MW-71 11/19/2007 0.00 0.00 0.00 0.00 MW-71 11/19/2007 301.00 1250.00 0.00 0.00 0.00 0.00 0.00 | 0.00 MW-71 5/29/2008 0.00 | 0.00 MW-71 11/6/2008 0.00 0.00 0.00 0.00 0.00 239.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 MW-71 6/11/2009 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 162.0 | 11/18/2009 0.00 0.00 0.00 0.00 11/18/2009 170.00 421.00 0.00 0.00 0.00 |
| Toluene trans 1,2-Dichloroethene Total Volatiles (601/602) (ug/L) Tetrachloroethene Chloroform Benzene Ethylbenzene Total Volatiles (601/602) (ug/L) Vinyl Chloride 1,1 - Dichloroethane Chloroethane Trichloroethene Methylene Chloride 1,1,1 - Trichloroethane | 0.00 MW-71 7/2/2004 0.00 0.00 0.00 0.00 0.00 0.00 317.00 0.00 0.00 0.00 317.00 0.0 | 0.00 MW-71 12/7/2004 0.00 0.00 0.00 0.00 0.00 0.00 28.00 0.00 0.00 0.00 0.00 14.60 MW-71 | 0.00 MW-71 5/11/2005 0.00 0.00 0.00 0.00 0.00 203.00 0.00 | 0.00 MW-71 11/3/2005 0.00 0.00 0.00 0.00 0.00 0.00 11/3/2005 43.50 111.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 MW-71 11/3/2005 MW-71 | 0.00 MW-71 5/10/2006 0.00 0.00 0.00 0.00 0.00 0.00 39.50 496.00 0.0 | 0.00 MW-71 11/8/2006 0.00 0.00 0.00 0.00 0.00 0.00 0.00 359.00 0.00 29.80 0.00 525.00 MW-71 | 0.00 MW-71 5/29/2007 0.00 0.00 0.00 0.00 0.00 0.00 273.00 433.00 0.00 32.70 0.00 548.00 MW-71 | 0.00 MW-71 11/19/2007 0.00 0.00 0.00 0.00 0.00 11/19/2007 301.00 1250.00 | 0.00 MW-71 5/29/2008 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 2.25 0.00 108 MW-71 | 0.00 MW-71 11/6/2008 0.00 0.00 0.00 0.00 0.00 0.00 239.00 0.00 | 0.00 MW-71 6/11/2009 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 162.0 MW-71 | 11/18/2009 0.00 0.00 0.00 0.00 11/18/2009 170.00 421.00 0.00 0.00 0.00 251.00 |
| Toluene trans 1,2-Dichloroethene Total Volatiles (601/602) (ug/L) Tetrachloroethene Chloroform Benzene Ethylbenzene Total Volatiles (601/602) (ug/L) Vinyl Chloride 1,1 - Dichloroethane Chloroethane Trichloroethene Methylene Chloride 1,1,1 - Trichloroethane Total Volatiles (601/602) (ug/L) | 0.00 MW-71 7/2/2004 0.00 0.00 0.00 0.00 0.00 0.00 317.00 0.00 0.00 0.00 0.00 0.00 317.00 0.0 | 0.00 MW-71 12/7/2004 0.00 0.00 0.00 0.00 0.00 0.00 28.00 0.00 0.00 0.00 0.00 14.60 MW-71 12/7/2004 | 0.00 MW-71 5/11/2005 0.00 0.00 0.00 0.00 0.00 203.00 0.00 | 0.00 MW-71 11/3/2005 0.00 0.00 0.00 0.00 0.00 0.00 11/3/2005 43.50 111.00 0.00 | 0.00 MW-71 5/10/2006 0.00 0.00 0.00 0.00 0.00 0.00 39.50 496.00 0.0 | 0.00 MW-71 11/8/2006 0.00 0.00 0.00 0.00 0.00 0.00 359.00 0.00 29.80 0.00 525.00 MW-71 11/8/2006 | 0.00 MW-71 5/29/2007 0.00 0.00 0.00 0.00 0.00 0.00 273.00 433.00 0.00 32.70 0.00 548.00 MW-71 5/29/2007 | 0.00 MW-71 11/19/2007 0.00 0.00 0.00 0.00 0.00 11/19/2007 301.00 1250.00 | 0.00 MW-71 5/29/2008 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 2.25 0.00 108 MW-71 5/29/2008 | 0.00 MW-71 11/6/2008 0.00 0.00 0.00 0.00 0.00 0.00 239.00 0.00 | 0.00 MW-71 6/11/2009 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 2.70 0.00 162.0 MW-71 6/11/2009 | 11/18/2009 0.00 0.00 0.00 0.00 11/18/2009 170.00 421.00 0.00 0.00 0.00 251.00 MW-71 11/18/2009 |
| Total Volatiles (601/602) (ug/L) Tetrachloroethene Chloroform Benzene Ethylbenzene Total Volatiles (601/602) (ug/L) Vinyl Chloride 1,1 - Dichloroethane Chloroethane Trichloroethene Methylene Chloride 1,1,1 - Trichloroethane Total Volatiles (601/602) (ug/L) 1,1 - Dichloroethane | 0.00 MW-71 7/2/2004 0.00 0.00 0.00 0.00 0.00 0.00 317.00 0.00 | 0.00 MW-71 12/7/2004 0.00 0.00 0.00 0.00 0.00 0.00 28.00 0.00 0.00 0.00 0.00 0.00 12/7/2004 0.00 0.00 14.60 MW-71 12/7/2004 0.00 | 0.00 MW-71 5/11/2005 0.00 0.00 0.00 0.00 0.00 203.00 0.00 | 0.00 MW-71 11/3/2005 0.00 0.00 0.00 0.00 0.00 11/3/2005 43.50 111.00 0.00 | 0.00 MW-71 5/10/2006 0.00 0.00 0.00 0.00 0.00 0.00 39.50 496.00 0.0 | 0.00 MW-71 11/8/2006 0.00 0.00 0.00 0.00 0.00 0.00 359.00 0.00 29.80 0.00 525.00 MW-71 11/8/2006 29.00 | 0.00 MW-71 5/29/2007 0.00 0.00 0.00 0.00 0.00 273.00 433.00 0.00 32.70 0.00 548.00 MW-71 5/29/2007 28.00 | 0.00 MW-71 11/19/2007 0.00 0.00 0.00 0.00 0.00 1250.00 0. | 0.00 MW-71 5/29/2008 0.00 | 0.00 MW-71 11/6/2008 0.00 0.00 0.00 0.00 0.00 239.00 0.00 | 0.00 MW-71 6/11/2009 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 2.70 0.00 162.0 MW-71 6/11/2009 9.46 | 11/18/2009 0.00 0.00 0.00 0.00 11/18/2009 170.00 421.00 0.00 0.00 0.00 0.00 251.00 MW-71 11/18/2009 0.00 |
| Total Volatiles (601/602) (ug/L) Tetrachloroethene Chloroform Benzene Ethylbenzene Total Volatiles (601/602) (ug/L) Vinyl Chloride 1,1 - Dichloroethane Chloroethane Trichloroethane Methylene Chloride 1,1,1 - Trichloroethane Methylene (501/602) (ug/L) 1,1 - Dichloroethane 1,2 - Dichloroethane | 0.00 MW-71 7/2/2004 0.00 0.00 0.00 0.00 0.00 MW-71 7/2/2004 106.00 317.00 0.00 | 0.00 MW-71 12/7/2004 0.00 0.00 0.00 0.00 0.00 0.00 28.00 0.00 0.00 0.00 14.60 MW-71 12/7/2004 0.00 | 0.00 MW-71 5/11/2005 0.00 0.00 0.00 0.00 0.00 203.00 0.00 | 0.00 MW-71 11/3/2005 0.00 0.00 0.00 0.00 0.00 MW-71 11/3/2005 43.50 111.00 0.0 | 0.00 MW-71 5/10/2006 0.00 | 0.00 MW-71 11/8/2006 0.00 0.00 0.00 0.00 0.00 0.00 359.00 0.00 29.80 0.00 525.00 MW-71 11/8/2006 29.00 0.00 | 0.00 MW-71 5/29/2007 0.00 0.00 0.00 0.00 0.00 433.00 0.00 32.70 0.00 548.00 MW-71 5/29/2007 28.00 0.00 | 0.00 MW-71 11/19/2007 0.00 0.00 0.00 0.00 0.00 11/19/2007 301.00 1250.00 0.00 0.00 0.00 1050.00 MW-71 11/19/2007 60.40 0.00 | 0.00 MW-71 5/29/2008 0.00 | 0.00 MW-71 11/6/2008 0.00 0.00 0.00 0.00 0.00 0.00 239.00 0.00 | 0.00 MW-71 6/11/2009 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 162.0 189.0 0.00 162.0 MW-71 6/11/2009 9.46 0.00 | 11/18/2009 0.00 0.00 0.00 0.00 11/18/2009 170.00 421.00 0.00 0.00 251.00 MW-71 11/18/2009 0.00 0.00 |
| Total Volatiles (601/602) (ug/L) Tetrachloroethene Chloroform Benzene Ethylbenzene Total Volatiles (601/602) (ug/L) Vinyl Chloride 1,1 - Dichloroethane Chloroethane Trichloroethene Methylene Chloride 1,1,1 - Trichloroethane Total Volatiles (601/602) (ug/L) 1,1 - Dichloroethane | 0.00 MW-71 7/2/2004 0.00 0.00 0.00 0.00 0.00 0.00 317.00 0.00 | 0.00 MW-71 12/7/2004 0.00 0.00 0.00 0.00 0.00 0.00 28.00 0.00 0.00 0.00 0.00 0.00 12/7/2004 0.00 0.00 14.60 MW-71 12/7/2004 0.00 | 0.00 MW-71 5/11/2005 0.00 0.00 0.00 0.00 0.00 203.00 0.00 | 0.00 MW-71 11/3/2005 0.00 0.00 0.00 0.00 0.00 11/3/2005 43.50 111.00 0.00 | 0.00 MW-71 5/10/2006 0.00 0.00 0.00 0.00 0.00 0.00 39.50 496.00 0.0 | 0.00 MW-71 11/8/2006 0.00 0.00 0.00 0.00 0.00 0.00 359.00 0.00 29.80 0.00 525.00 MW-71 11/8/2006 29.00 | 0.00 MW-71 5/29/2007 0.00 0.00 0.00 0.00 0.00 273.00 433.00 0.00 32.70 0.00 548.00 MW-71 5/29/2007 28.00 | 0.00 MW-71 11/19/2007 0.00 0.00 0.00 0.00 0.00 1250.00 0. | 0.00 MW-71 5/29/2008 0.00 | 0.00 MW-71 11/6/2008 0.00 0.00 0.00 0.00 0.00 239.00 0.00 | 0.00 MW-71 6/11/2009 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 2.70 0.00 162.0 MW-71 6/11/2009 9.46 | 11/18/2009 0.00 0.00 0.00 0.00 11/18/2009 170.00 421.00 0.00 0.00 0.00 0.00 251.00 MW-71 11/18/2009 0.00 |

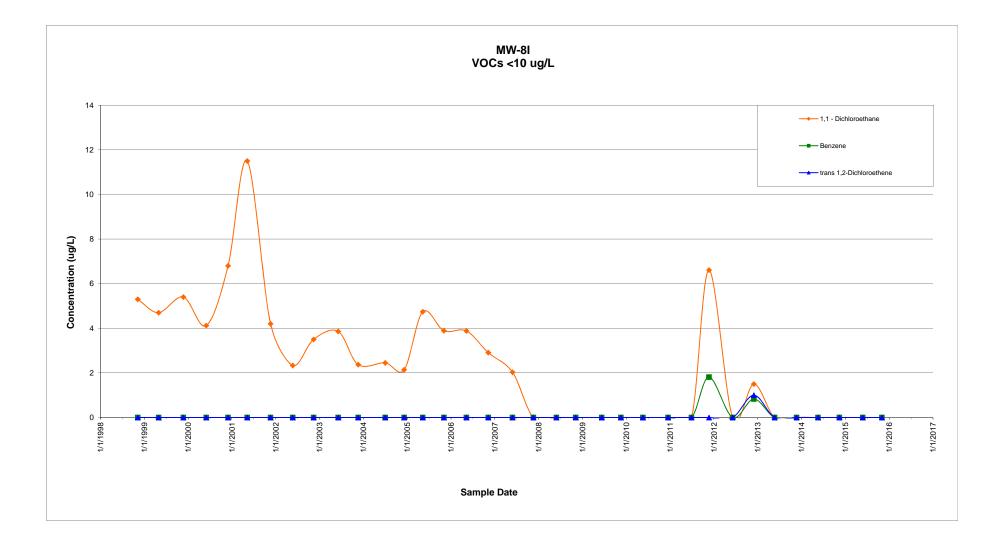
| | MW-71 | MW-71 | MW-71 | MW-71 | MW-71 | MW-71 | MW-71 | MW-7I | MW-7I | MW-7I | MW-7I | MW-7I |
|----------------------------------|-----------|------------|-----------|------------|----------|------------|-----------|------------|-----------|------------|-----------|-----------|
| Total Volatiles (601/602) (ug/L) | 5/20/2010 | 12/16/2010 | 6/29/2011 | 11/22/2011 | 6/6/2012 | 11/30/2012 | 5/22/2013 | 11/21/2013 | 5/19/2014 | 11/13/2014 | 5/27/2015 | 11/3/2015 |
| Tetrachloroethene | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Chloroform | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| Benzene | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Ethylbenzene | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | | | | |
| | MW-71 | MW-71 | MW-71 | MW-71 | MW-71 | MW-71 | MW-71 | MW-7I | MW-7I | MW-7I | MW-7I | MW-7I |
| Total Volatiles (601/602) (ug/L) | 5/20/2010 | 12/16/2010 | 6/29/2011 | 11/22/2011 | 6/6/2012 | 11/30/2012 | 5/22/2013 | 11/21/2013 | 5/19/2014 | 11/13/2014 | 5/27/2015 | 11/3/2015 |
| Vinyl Chloride | 56.7 | 412.00 | 1930.0 | 2090.0 | 998.0 | 5500.0 | 328.0 | 259 | 96.8 | 238 | 182 | 180 |
| 1,1 - Dichloroethane | 153.0 | 712.00 | 2210.0 | 2320.0 | 1220.0 | 6100.0 | 607.0 | 668 | 348 | 856 | 684 | 662 |
| Chloroethane | 3.23 | 93.50 | 473.0 | 717.0 | 199.0 | 2200.0 | 117.0 | 0 | 0 | 0 | 0 | 0 |
| Trichloroethene | 3.51 | 0.00 | 0.00 | 0.00 | 0.00 | 12.00 | 0.00 | 0 | 0 | 0 | 0 | 0 |
| Methylene Chloride | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.0 | 0.00 | 0 | 0 | 0 | 0 | 0 |
| 1,1,1 - Trichloroethane | 122.0 | 173.00 | 559.0 | 302.0 | 73.5 | 140.0 | 56.5 | 325 | 236 | 454 | 528 | 555 |
| | _ | | | | | | | | | | | |
| | MW-71 | MW-71 | MW-71 | MW-71 | MW-71 | MW-71 | MW-71 | MW-71 | MW-7I | MW-7I | MW-7I | MW-7I |
| Total Volatiles (601/602) (ug/L) | 5/20/2010 | 12/16/2010 | 6/29/2011 | 11/22/2011 | 6/6/2012 | 11/30/2012 | 5/22/2013 | 11/21/2013 | 5/19/2014 | 11/13/2014 | 5/27/2015 | 11/3/2015 |
| 1,1 - Dichloroethene | 5.50 | 0.00 | 56.20 | 47.60 | 0.00 | 150.00 | 0.00 | 22.4 | 0 | 35.80 | 39.50 | 37.30 |
| 1,2 - Dichloroethane | 0.00 | 0.00 | 0.00 | 49.1 | 0.00 | 13.0 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| Toluene | 0.00 | 0.00 | 0.00 | 42.1 | 0.00 | 93.0 | 0.00 | 0 | 0 | 0.00 | 10.60 | 11.60 |
| trans 1,2-Dichloroethene | 2.73 | 0.00 | 0.00 | 47.7 | 0.00 | 13.0 | 0.00 | 0 | 0 | 0.00 | 0.00 | 11.00 |

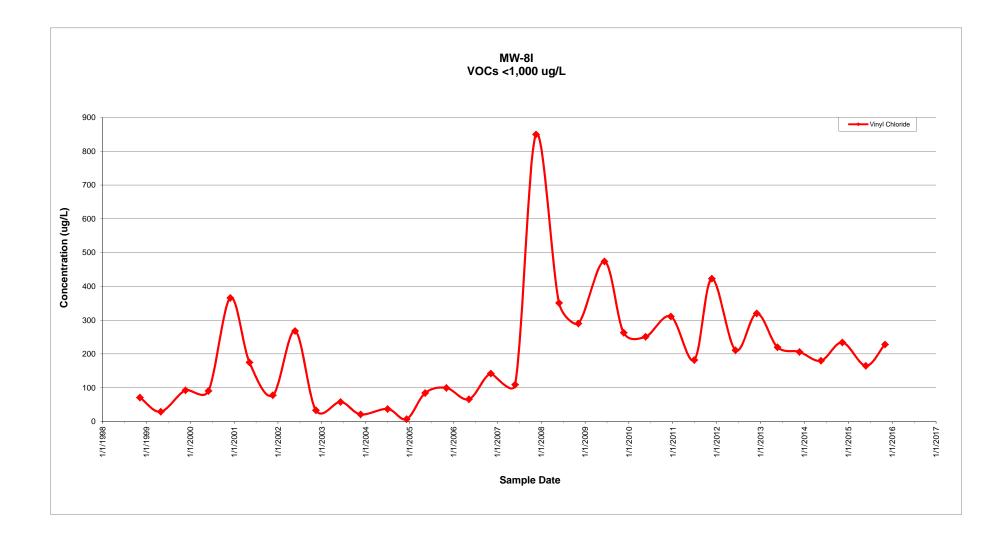






| | - | - | | | | | | | | | | |
|--|--|--|--|--|---|---|--|--|---|---|---|--|
| | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | |
| Total Volatiles (601/602) (ug/L) | 11/8/1998 | 5/1/1999 | 11/23/1999 | 6/1/2000 | 11/30/2000 | 5/9/2001 | 11/19/2001 | 5/23/2002 | 11/13/2002 | 6/6/2003 | 11/20/2003 | |
| Tetrachloroethene | NS | NS | NS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Trichloroethene | NS | NS | NS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| trans 1,2-Dichloroethene | NS | NS | NS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | | | | | | | | | |
| | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | |
| Total Volatiles (601/602) (ug/L) | 11/8/1998 | 5/1/1999 | 11/23/1999 | 6/1/2000 | 11/30/2000 | 5/9/2001 | 11/19/2001 | 5/23/2002 | 11/13/2002 | 6/6/2003 | 11/20/2003 | |
| 1,1 - Dichloroethane | NS | NS | NS | 0.00 | 587.00 | 489.00 | 1170.00 | 293.00 | 757.00 | 195.00 | 833.00 | |
| Toluene | NS | NS | NS | 1980.00 | 0.00 | 0.00 | 0.00 | 36.30 | 86.60 | 162.00 | 0.00 | |
| 1,1,1 - Trichloroethane | NS | NS | NS | 6100.00 | 1700.00 | 1330.00 | 2430.00 | 1480.00 | 112.00 | 1960.00 | 1500.00 | |
| | | | | | | | | | | | | 1 |
| m · · · · · · · · · · · · · · · · · · · | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | |
| Total Volatiles (601/602) (ug/L) | 11/8/1998 | 5/1/1999 | 11/23/1999 | 6/1/2000 | 11/30/2000 | 5/9/2001 | 11/19/2001 | 5/23/2002 | 11/13/2002 | 6/6/2003 | 11/20/2003 | |
| Vinyl Chloride | NS | NS | NS | 0.00 | 78.40 | 48.80 | 68.40 | 225.00 | 40.30 | 0.00 | 55.70 | |
| Chloroethane | NS | NS | NS | 0.00 | 0.00 | 0.00 | 21.40 | 0.00 | 503.00 | 0.00 | 0.00 | |
| 1,1 - Dichloroethene | NS | NS | NS | 0.00 | 137.00 | 133.00 | 26.80 | 0.00 | 0.00 | 26.90 | 0.00 | |
| 1,2 - Dichloroethane | NS | NS | NS | 326.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Ethylbenzene | NS | NS | NS | 0.00 | 0.00 | 0.00 | 52.40 | 0.00 | 0.00 | 0.00 | 0.00 | l |
| | | | | - | | | | | | | | |
| | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S |
| Total Volatiles (601/602) (ug/L) | 7/2/2004 | 12/7/2004 | 5/11/2005 | 11/3/2005 | 5/10/2006 | 11/8/2006 | 5/29/2007 | 11/19/2007 | 5/29/2008 | 11/6/2008 | 6/11/2009 | 11/18/2009 |
| Tetrachloroethene | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Trichloroethene | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.72 | 0.00 |
| trans 1,2-Dichloroethene | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | | | | |
| | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S |
| Total Volatiles (601/602) (ug/L) | 7/2/2004 | 12/7/2004 | 5/11/2005 | 11/3/2005 | 5/10/2006 | 11/8/2006 | 5/29/2007 | 11/19/2007 | 5/29/2008 | 11/6/2008 | 6/11/2009 | 11/18/2009 |
| 1,1 - Dichloroethane | 1040.00 | 511.00 | 288.00 | 943.00 | 631.00 | 467.00 | 380.00 | 1160.00 | 1090 | 1520.00 | 356.0 | 524.00 |
| Toluene | 45.70 | 0.00 | 60.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,1,1 - Trichloroethane | 1390.00 | 42.90 | 1110.00 | 388.00 | 328.00 | 193.00 | 491.00 | 238.00 | 2410 | 220.00 | 360.0 | 945.00 |
| | | | | | | | | | | | | |
| | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S | MW-7S |
| Total Volatiles (601/602) (ug/L) | 7/2/2004 | 12/7/2004 | 5/11/2005 | 11/3/2005 | 5/10/2006 | 11/8/2006 | 5/29/2007 | 11/19/2007 | 5/29/2008 | 11/6/2008 | 6/11/2009 | 11/18/2009 |
| Vinyl Chloride | 220.00 | 251.00 | 72.00 | 106.00 | 40.30 | 35.30 | 40.80 | 83.40 | 0.00 | 112.00 | 33.0 | 14.80 |
| Chloroethane | 0.00 | 0.00 | 0.00 | 0.00 | 59.20 | 19.90 | 135.00 | 100.00 | 0.00 | 68.80 | 84.8 | 45.80 |
| 1,1 - Dichloroethene | 0.00 | 0.00 | 21.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.80 |
| 1,2 - Dichloroethane | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Ethylbenzene | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54.80 | 180 | 0.00 | 0.00 | 73.30 |
| | | | | | | | | | | | | |
| | | 200 -0 | | | | | | | | 2000.00 | | |
| m 4.137 1.41. (204/200) / m) | MW-78 | MW-78 | MW-78 | MW-78 | MW-78 | MW-78 | MW-78 | MW-78 | MW-78 | MW-78 | MW-78 | MW-78 |
| Total Volatiles (601/602) (ug/L) | 5/20/2010 | 12/16/2010 | 6/29/2011 | 11/22/2011 | 6/6/2012 | 11/30/2012 | 5/22/2013 | 11/21/2013 | 5/19/2014 | 11/13/2014 | 5/27/2015 | 11/3/2015 |
| Tetrachloroethene | 5/20/2010 0.00 | 12/16/2010 3.12 | 6/29/2011 0.00 | 11/22/2011 0.00 | 6/6/2012 0.00 | 11/30/2012 0.5 | 5/22/2013 0.00 | 11/21/2013 0.00 | 5/19/2014 0.00 | 11/13/2014 0.00 | 5/27/2015 0.00 | 11/3/2015 0.00 |
| Tetrachloroethene Trichloroethene | 5/20/2010 0.00 8.28 | 12/16/2010 3.12 14.00 | 6/29/2011 0.00 0.00 | 11/22/2011 0.00 0.00 | 6/6/2012 0.00 0.00 | 11/30/2012 0.5 7.80 | 5/22/2013 0.00 0.00 | 11/21/2013 0.00 0.00 | 5/19/2014 0.00 0.00 | 11/13/2014 0.00 0.00 | 5/27/2015 0.00 0.00 | 11/3/2015 0.00 0.00 |
| Tetrachloroethene | 5/20/2010 0.00 | 12/16/2010 3.12 | 6/29/2011 0.00 | 11/22/2011 0.00 | 6/6/2012 0.00 | 11/30/2012 0.5 | 5/22/2013 0.00 | 11/21/2013 0.00 | 5/19/2014 0.00 | 11/13/2014 0.00 | 5/27/2015 0.00 | 11/3/201 0.00 |
| Tetrachloroethene Trichloroethene | 5/20/2010 0.00 8.28 0.00 | 12/16/2010 3.12 14.00 0.00 | 6/29/2011 0.00 0.00 0.00 | 11/22/2011 0.00 0.00 0.00 | 6/6/2012 0.00 0.00 0.00 | 11/30/2012 0.5 7.80 0.96 | 5/22/2013 0.00 0.00 0.00 | 11/21/2013 0.00 0.00 0.00 | 5/19/2014 0.00 0.00 0.00 | 11/13/2014 0.00 0.00 0.00 | 5/27/2015 0.00 0.00 0.00 | 11/3/2015 0.00 0.00 0.00 |
| Tetrachloroethene Trichloroethene trans 1,2-Dichloroethene | 5/20/2010 0.00 8.28 0.00 MW-7S | 12/16/2010 3.12 14.00 0.00 MW-7S | 6/29/2011 0.00 0.00 0.00 MW-7S | 11/22/2011 0.00 0.00 0.00 MW-7S | 6/6/2012 0.00 0.00 0.00 MW-7S | 11/30/2012 0.5 7.80 0.96 MW-7S | 5/22/2013 0.00 0.00 0.00 MW-7S | 11/21/2013 0.00 0.00 0.00 MW-7S | 5/19/2014 0.00 0.00 0.00 MW-7S | 11/13/2014 0.00 0.00 0.00 MW-7S | 5/27/2015 0.00 0.00 0.00 MW-7S | 11/3/2015 0.00 0.00 0.00 MW-7S |
| Tetrachloroethene Trichloroethene trans 1,2-Dichloroethene Total Volatiles (601/602) (ug/L) | 5/20/2010 0.00 8.28 0.00 MW-7S 5/20/2010 | 12/16/2010 3.12 14.00 0.00 MW-7S 12/16/2010 | 6/29/2011 0.00 0.00 0.00 MW-7S 6/29/2011 | 11/22/2011 0.00 0.00 0.00 MW-7S 11/22/2011 | 6/6/2012 0.00 0.00 0.00 MW-7S 6/6/2012 | 11/30/2012 0.5 7.80 0.96 MW-7S 11/30/2012 | 5/22/2013 0.00 0.00 0.00 MW-7S 5/22/2013 | 11/21/2013 0.00 0.00 0.00 MW-7S 11/21/2013 | 5/19/2014 0.00 0.00 0.00 MW-7S 5/19/2014 | 11/13/2014 0.00 0.00 0.00 MW-7S 11/13/2014 | 5/27/2015 0.00 0.00 0.00 MW-7S 5/27/2015 | 11/3/2015 0.00 0.00 0.00 MW-7S 11/3/2015 |
| Tetrachloroethene Trichloroethene trans 1,2-Dichloroethene Total Volatiles (601/602) (ug/L) 1,1 - Dichloroethane | 5/20/2010 0.00 8.28 0.00 MW-7S 5/20/2010 117.0 | 12/16/2010 3.12 14.00 0.00 MW-7S 12/16/2010 34.80 | 6/29/2011 0.00 0.00 0.00 MW-7S 6/29/2011 396.0 | 11/22/2011 0.00 0.00 0.00 MW-7S 11/22/2011 222.0 | 6/6/2012 0.00 0.00 0.00 MW-7S 6/6/2012 393.0 | 11/30/2012 0.5 7.80 0.96 MW-7S 11/30/2012 140.0 | 5/22/2013 0.00 0.00 0.00 MW-7S 5/22/2013 507.0 | 11/21/2013 0.00 0.00 0.00 MW-7S 11/21/2013 353 | 5/19/2014 0.00 0.00 0.00 MW-7S 5/19/2014 86.6 | 11/13/2014 0.00 0.00 0.00 MW-7S 11/13/2014 229 | 5/27/2015 0.00 0.00 0.00 MW-7S 5/27/2015 129 | 11/3/2013 0.00 0.00 0.00 MW-7S 11/3/2013 238 |
| Tetrachloroethene Trichloroethene trans 1,2-Dichloroethene Total Volatiles (601/602) (ug/L) 1,1 - Dichloroethane Toluene | 5/20/2010 0.00 8.28 0.00 MW-7S 5/20/2010 117.0 0.00 | 12/16/2010 3.12 14.00 0.00 MW-7S 12/16/2010 34.80 0.00 | 6/29/2011 0.00 0.00 0.00 MW-7S 6/29/2011 396.0 8.58 | 11/22/2011 0.00 0.00 0.00 MW-7S 11/22/2011 222.0 0.00 | 6/6/2012 0.00 0.00 0.00 MW-7S 6/6/2012 393.0 0.00 | 11/30/2012 0.5 7.80 0.96 MW-7S 11/30/2012 140.0 0.00 | 5/22/2013 0.00 0.00 0.00 MW-7S 5/22/2013 507.0 0.00 | 11/21/2013 0.00 0.00 0.00 MW-7S 11/21/2013 353 0 | 5/19/2014 0.00 0.00 0.00 MW-7S 5/19/2014 86.6 0 | 11/13/2014 0.00 0.00 0.00 MW-7S 11/13/2014 229 0 | 5/27/2015 0.00 0.00 0.00 MW-7S 5/27/2015 129 0 | 11/3/201 0.00 0.00 0.00 MW-7S 11/3/201 238 0 |
| Tetrachloroethene Trichloroethene trans 1,2-Dichloroethene Total Volatiles (601/602) (ug/L) 1,1 - Dichloroethane | 5/20/2010 0.00 8.28 0.00 MW-7S 5/20/2010 117.0 | 12/16/2010 3.12 14.00 0.00 MW-7S 12/16/2010 34.80 | 6/29/2011 0.00 0.00 0.00 MW-7S 6/29/2011 396.0 | 11/22/2011 0.00 0.00 0.00 MW-7S 11/22/2011 222.0 | 6/6/2012 0.00 0.00 0.00 MW-7S 6/6/2012 393.0 | 11/30/2012 0.5 7.80 0.96 MW-7S 11/30/2012 140.0 | 5/22/2013 0.00 0.00 0.00 MW-7S 5/22/2013 507.0 | 11/21/2013 0.00 0.00 0.00 MW-7S 11/21/2013 353 | 5/19/2014 0.00 0.00 0.00 MW-7S 5/19/2014 86.6 | 11/13/2014 0.00 0.00 0.00 MW-7S 11/13/2014 229 | 5/27/2015 0.00 0.00 0.00 MW-7S 5/27/2015 129 | 11/3/201 0.00 0.00 0.00 MW-7S 11/3/201 238 |
| Tetrachloroethene Trichloroethene trans 1,2-Dichloroethene Total Volatiles (601/602) (ug/L) 1,1 - Dichloroethane Toluene | 5/20/2010 0.00 8.28 0.00 MW-7S 5/20/2010 117.0 0.00 | 12/16/2010 3.12 14.00 0.00 MW-7S 12/16/2010 34.80 0.00 121.00 | 6/29/2011 0.00 0.00 MW-7S 6/29/2011 396.0 8.58 416.0 | 11/22/2011 0.00 0.00 0.00 MW-7S 11/22/2011 222.0 0.00 124.0 | 6/6/2012 0.00 0.00 0.00 MW-7S 6/6/2012 393.0 0.00 98.8 | 11/30/2012 0.5 7.80 0.96 MW-7S 11/30/2012 140.0 0.00 39.0 | 5/22/2013 0.00 0.00 0.00 MW-7S 5/22/2013 507.0 0.00 106.0 | 11/21/2013 0.00 0.00 0.00 MW-7S 11/21/2013 353 0 106 | 5/19/2014 0.00 0.00 0.00 MW-7S 5/19/2014 86.6 0 170 | 11/13/2014 0.00 0.00 0.00 MW-7S 11/13/2014 229 0 146 | 5/27/2015 0.00 0.00 0.00 MW-7S 5/27/2015 129 0 139 | 11/3/201 0.00 0.00 0.00 MW-7S 11/3/201 238 0 161 |
| Tetrachloroethene Trichloroethene trans 1,2-Dichloroethene Total Volatiles (601/602) (ug/L) 1,1 - Dichloroethane Toluene | 5/20/2010 0.00 8.28 0.00 MW-7S 5/20/2010 117.0 0.00 | 12/16/2010 3.12 14.00 0.00 MW-7S 12/16/2010 34.80 0.00 | 6/29/2011 0.00 0.00 0.00 MW-7S 6/29/2011 396.0 8.58 | 11/22/2011 0.00 0.00 0.00 MW-7S 11/22/2011 222.0 0.00 | 6/6/2012 0.00 0.00 0.00 MW-7S 6/6/2012 393.0 0.00 | 11/30/2012 0.5 7.80 0.96 MW-7S 11/30/2012 140.0 0.00 | 5/22/2013 0.00 0.00 0.00 MW-7S 5/22/2013 507.0 0.00 | 11/21/2013 0.00 0.00 0.00 MW-7S 11/21/2013 353 0 | 5/19/2014 0.00 0.00 0.00 MW-7S 5/19/2014 86.6 0 | 11/13/2014 0.00 0.00 0.00 MW-7S 11/13/2014 229 0 | 5/27/2015 0.00 0.00 0.00 MW-7S 5/27/2015 129 0 | 11/3/201 0.00 0.00 0.00 MW-7S 11/3/201 238 0 161 |
| Tetrachloroethene Trichloroethene trans 1,2-Dichloroethene Total Volatiles (601/602) (ug/L) 1,1 - Dichloroethane Toluene | 5/20/2010 0.00 8.28 0.00 MW-7S 5/20/2010 117.0 0.00 | 12/16/2010 3.12 14.00 0.00 MW-7S 12/16/2010 34.80 0.00 121.00 | 6/29/2011 0.00 0.00 MW-7S 6/29/2011 396.0 8.58 416.0 | 11/22/2011 0.00 0.00 0.00 MW-7S 11/22/2011 222.0 0.00 124.0 | 6/6/2012 0.00 0.00 0.00 MW-7S 6/6/2012 393.0 0.00 98.8 | 11/30/2012 0.5 7.80 0.96 MW-7S 11/30/2012 140.0 0.00 39.0 | 5/22/2013 0.00 0.00 0.00 MW-7S 5/22/2013 507.0 0.00 106.0 | 11/21/2013 0.00 0.00 0.00 MW-7S 11/21/2013 353 0 106 | 5/19/2014 0.00 0.00 0.00 MW-7S 5/19/2014 86.6 0 170 | 11/13/2014 0.00 0.00 0.00 MW-7S 11/13/2014 229 0 146 | 5/27/2015 0.00 0.00 0.00 MW-7S 5/27/2015 129 0 139 | 11/3/201 0.00 0.00 0.00 MW-75 11/3/201 238 0 161 MW-75 |
| Tetrachloroethene Trichloroethene trans 1,2-Dichloroethene Total Volatiles (601/602) (ug/L) 1,1 - Dichloroethane Toluene 1,1,1 - Trichloroethane Total Volatiles (601/602) (ug/L) | 5/20/2010 0.00 8.28 0.00 MW-7S 5/20/2010 117.0 0.00 256.0 MW-7S 5/20/2010 | 12/16/2010 3.12 14.00 0.00 MW-7S 12/16/2010 34.80 0.00 121.00 MW-7S 12/16/2010 | 6/29/2011 0.00 0.00 0.00 MW-7S 6/29/2011 396.0 8.58 416.0 MW-7S 6/29/2011 | 11/22/2011 0.00 0.00 0.00 MW-7S 11/22/2011 222.0 0.00 124.0 MW-7S 11/22/2011 | 6/6/2012 0.00 0.00 0.00 MW-7S 6/6/2012 393.0 0.00 98.8 MW-7S 6/6/2012 | 11/30/2012 0.5 7.80 0.96 MW-7S 11/30/2012 140.0 0.00 39.0 MW-7S 11/30/2012 | 5/22/2013 0.00 0.00 0.00 MW-7S 5/22/2013 507.0 0.00 106.0 MW-7S 5/22/2013 | 11/21/2013 0.00 0.00 0.00 MW-7S 11/21/2013 353 0 106 MW-7S 11/21/2013 | 5/19/2014 0.00 0.00 0.00 MW-7S 5/19/2014 86.6 0 170 MW-7S 5/19/2014 | 11/13/2014 0.00 0.00 0.00 MW-7S 11/13/2014 229 0 146 MW-7S 11/13/2014 | 5/27/2015 0.00 0.00 0.00 MW-7S 5/27/2015 129 0 139 MW-7S 5/27/2015 | 11/3/201 0.00 0.00 0.00 MW-7S 11/3/201 238 0 161 MW-7S 11/3/201 |
| Tetrachloroethene Trichloroethene trans 1,2-Dichloroethene Total Volatiles (601/602) (ug/L) 1,1 - Dichloroethane Toluene 1,1,1 - Trichloroethane Total Volatiles (601/602) (ug/L) Vinyl Chloride | 5/20/2010 0.00 8.28 0.00 MW-7S 5/20/2010 117.0 0.00 256.0 MW-7S 5/20/2010 0.00 | 12/16/2010 3.12 14.00 0.00 MW-7S 12/16/2010 34.80 0.00 121.00 121.00 MW-7S 12/16/2010 0.00 | 6/29/2011 0.00 0.00 MW-7S 6/29/2011 396.0 8.58 416.0 MW-7S 6/29/2011 264.0 | 11/22/2011 0.00 0.00 MW-7S 11/22/2011 222.0 0.00 124.0 MW-7S 11/22/2011 97.0 | 6/6/2012 0.00 0.00 0.00 MW-7S 6/6/2012 393.0 0.00 98.8 MW-7S 6/6/2012 273.0 | 11/30/2012 0.5 7.80 0.96 MW-7S 11/30/2012 140.0 0.00 39.0 MW-7S 11/30/2012 34.0 | 5/22/2013 0.00 0.00 0.00 MW-7S 5/22/2013 507.0 0.00 106.0 MW-7S 5/22/2013 306.0 | 11/21/2013 0.00 0.00 0.00 MW-7S 11/21/2013 353 0 106 MW-7S 11/21/2013 0 | 5/19/2014 0.00 0.00 0.00 MW-7S 5/19/2014 86.6 0 170 MW-7S 5/19/2014 0.00 | 11/13/2014 0.00 0.00 0.00 MW-7S 11/13/2014 229 0 146 MW-7S 11/13/2014 0.00 | 5/27/2015 0.00 0.00 MW-7S 5/27/2015 129 0 139 MW-7S 5/27/2015 0.00 | 11/3/201 0.00 0.00 0.00 MW-7S 11/3/201 238 0 161 MW-7S 11/3/201 0.00 |
| Tetrachloroethene Trichloroethene trans 1,2-Dichloroethene Total Volatiles (601/602) (ug/L) 1,1 - Dichloroethane Toluene 1,1,1 - Trichloroethane Total Volatiles (601/602) (ug/L) Vinyl Chloride Chloroethane | 5/20/2010 0.00 8.28 0.00 MW-7S 5/20/2010 117.0 0.00 256.0 MW-7S 5/20/2010 0.00 0.00 | 12/16/2010 3.12 14.00 0.00 MW-7S 12/16/2010 34.80 0.00 121.00 121.00 MW-7S 12/16/2010 0.00 2.01 | 6/29/2011 0.00 0.00 MW-7S 6/29/2011 396.0 8.58 416.0 MW-7S 6/29/2011 264.0 80.7 | 11/22/2011 0.00 0.00 MW-7S 11/22/2011 222.0 0.00 124.0 MW-7S 11/22/2011 97.0 41.9 | 6/6/2012 0.00 0.00 MW-7S 6/6/2012 393.0 0.00 98.8 WW-7S 6/6/2012 273.0 30.6 | 11/30/2012 0.5 7.80 0.96 MW-7S 11/30/2012 140.0 0.00 39.0 MW-7S 11/30/2012 34.0 25.0 | 5/22/2013 0.00 0.00 MW-7S 5/22/2013 507.0 0.00 106.0 MW-7S 5/22/2013 306.0 85.6 | 11/21/2013 0.00 0.00 0.00 MW-7S 11/21/2013 0 106 MW-7S 11/21/2013 0 46.7 | 5/19/2014 0.00 0.00 0.00 MW-7S 5/19/2014 86.6 0 170 MW-7S 5/19/2014 0.00 | 11/13/2014 0.00 0.00 MW-7S 11/13/2014 229 0 146 MW-7S 11/13/2014 0.00 0.00 | 5/27/2015 0.00 0.00 MW-7S 5/27/2015 129 0 139 MW-7S 5/27/2015 0.00 19.90 | 11/3/201 0.00 0.00 0.00 MW-7S 11/3/201 238 0 161 MW-7S 11/3/201 0.00 |
| Tetrachloroethene Trichloroethene trans 1,2-Dichloroethene Total Volatiles (601/602) (ug/L) 1,1 - Dichloroethane Toluene 1,1,1 - Trichloroethane Total Volatiles (601/602) (ug/L) Vinyl Chloride Chloroethane 1,1 - Dichloroethene | 5/20/2010 0.00 8.28 0.00 MW-7S 5/20/2010 117.0 0.00 256.0 MW-7S 5/20/2010 0.00 0.00 0.00 | 12/16/2010 3.12 14.00 0.00 MW-7S 12/16/2010 34.80 0.00 121.00 MW-7S 12/16/2010 0.00 2.01 0.00 | 6/29/2011 0.00 0.00 0.00 MW-7S 6/29/2011 396.0 8.58 416.0 MW-7S 6/29/2011 264.0 80.7 13.7 | 11/22/2011 0.00 0.00 0.00 MW-7S 11/22/2011 222.0 0.00 124.0 MW-7S 11/22/2011 97.0 41.9 0.00 | 6/6/2012 0.00 0.00 MW-7S 6/6/2012 393.0 0.00 98.8 MW-7S 6/6/2012 273.0 30.6 6.2 | 11/30/2012 0.5 7.80 0.96 MW-7S 11/30/2012 140.0 0.00 39.0 MW-7S 11/30/2012 34.0 25.0 4.3 | 5/22/2013 0.00 0.00 MW-7S 5/22/2013 507.0 0.00 106.0 MW-7S 5/22/2013 306.0 85.6 0.00 | 11/21/2013 0.00 0.00 MW-7S 11/21/2013 353 0 106 MW-7S 11/21/2013 0 46.7 0 0 | 5/19/2014 0.00 0.00 MW-7S 5/19/2014 86.6 0 170 MW-7S 5/19/2014 0.00 0.00 0.00 | 11/13/2014 0.00 0.00 MW-7S 11/13/2014 229 0 146 MW-7S 11/13/2014 0.00 0.00 0.00 | 5/27/2015 0.00 0.00 MW-7S 5/27/2015 129 0 139 MW-7S 5/27/2015 0.00 19.90 0.00 | 11/3/2013 0.00 0.00 0.00 0.00 0.00 11/3/2013 238 0 11/3/2013 0.01 11/3/2013 0.00 0.00 0.00 |
| Tetrachloroethene Trichloroethene trans 1,2-Dichloroethene Total Volatiles (601/602) (ug/L) 1,1 - Dichloroethane Toluene 1,1,1 - Trichloroethane Total Volatiles (601/602) (ug/L) Vinyl Chloride Chloroethane | 5/20/2010 0.00 8.28 0.00 MW-7S 5/20/2010 117.0 0.00 256.0 MW-7S 5/20/2010 0.00 0.00 | 12/16/2010 3.12 14.00 0.00 MW-7S 12/16/2010 34.80 0.00 121.00 121.00 MW-7S 12/16/2010 0.00 2.01 | 6/29/2011 0.00 0.00 MW-7S 6/29/2011 396.0 8.58 416.0 MW-7S 6/29/2011 264.0 80.7 | 11/22/2011 0.00 0.00 MW-7S 11/22/2011 222.0 0.00 124.0 MW-7S 11/22/2011 97.0 41.9 | 6/6/2012 0.00 0.00 MW-7S 6/6/2012 393.0 0.00 98.8 WW-7S 6/6/2012 273.0 30.6 | 11/30/2012 0.5 7.80 0.96 MW-7S 11/30/2012 140.0 0.00 39.0 MW-7S 11/30/2012 34.0 25.0 | 5/22/2013 0.00 0.00 MW-7S 5/22/2013 507.0 0.00 106.0 MW-7S 5/22/2013 306.0 85.6 | 11/21/2013 0.00 0.00 0.00 MW-7S 11/21/2013 0 106 MW-7S 11/21/2013 0 46.7 | 5/19/2014 0.00 0.00 MW-7S 5/19/2014 86.6 0 170 MW-7S 5/19/2014 0.00 | 11/13/2014 0.00 0.00 MW-7S 11/13/2014 229 0 146 MW-7S 11/13/2014 0.00 0.00 | 5/27/2015 0.00 0.00 MW-7S 5/27/2015 129 0 139 MW-7S 5/27/2015 0.00 19.90 | 11/3/2013 0.00 0.00 0.00 MW-7S 11/3/2013 238 0 161 161 MW-7S 11/3/2013 0.00 |



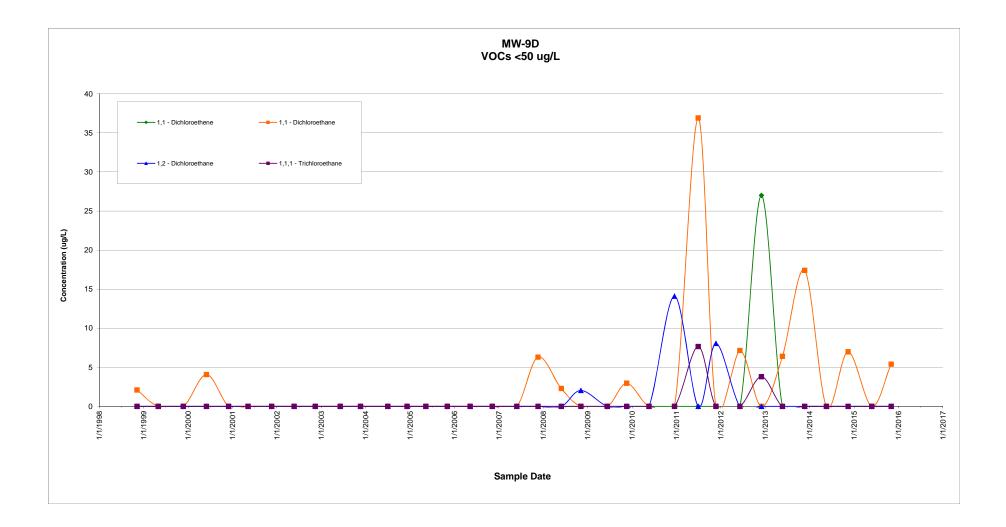


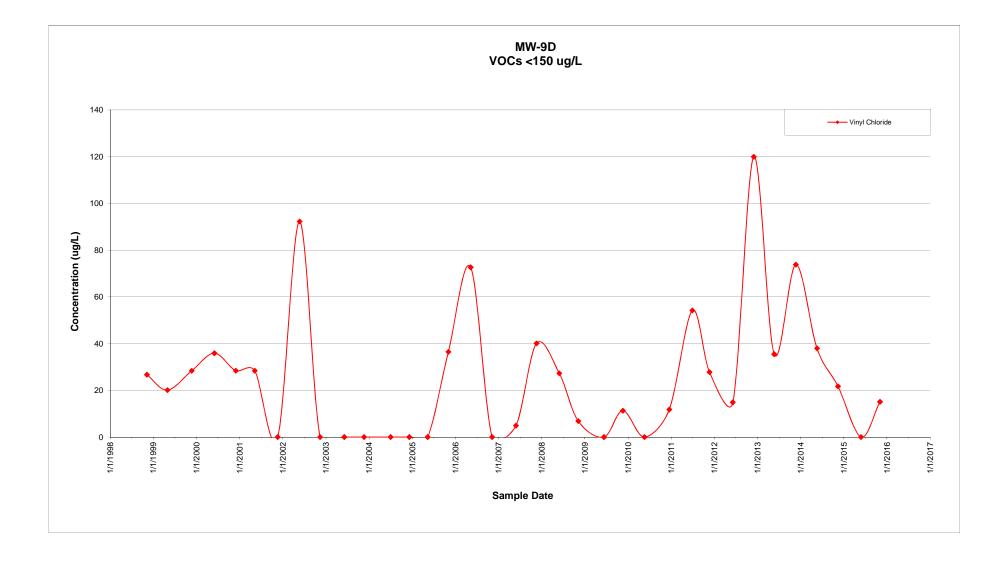
| | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I |
|----------------------------------|-----------|----------|------------|-----------|------------|-----------|------------|-----------|------------|----------|------------|----------|-----------|
| Total Volatiles (601/602) (ug/L) | 11/8/1998 | 5/1/1999 | 11/23/1999 | 6/1/2000 | 11/30/2000 | 5/9/2001 | 11/19/2001 | 5/23/2002 | 11/13/2002 | 6/6/2003 | 11/20/2003 | 7/2/2004 | 12/7/2004 |
| 1,1 - Dichloroethane | 5.30 | 4.70 | 5.40 | 4.12 | 6.80 | 11.50 | 4.20 | 2.33 | 3.50 | 3.86 | 2.37 | 2.45 | 2.14 |
| Benzene | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| trans 1,2-Dichloroethene | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | | | | | |
| | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I |
| Total Volatiles (601/602) (ug/L) | 11/8/1998 | 5/1/1999 | 11/23/1999 | 6/1/2000 | 11/30/2000 | 5/9/2001 | 11/19/2001 | 5/23/2002 | 11/13/2002 | 6/6/2003 | 11/20/2003 | 7/2/2004 | 12/7/2004 |
| Vinyl Chloride | 70.80 | 29.00 | 92.50 | 90.40 | 366.00 | 175.00 | 77.70 | 268.00 | 33.20 | 57.90 | 21.00 | 37.10 | 7.02 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | 2 4 4 4 4 | | | N CTTL OT | | N CITY OF | | | | | | | |
| | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | |

| | 101 00-01 | 10100-01 | 101 00 -01 | 10100-01 | 101 00 -01 | 101 00 -01 | 101 00 -01 | 101 00-01 | 101-01 | 101 00 -01 | 101 00 -01 | 101 00 -01 |
|----------------------------------|-----------|-----------|------------|-----------|------------|------------|------------|-----------|-----------|------------|------------|------------|
| Total Volatiles (601/602) (ug/L) | 5/11/2005 | 11/3/2005 | 5/10/2006 | 11/8/2006 | 5/29/2007 | 11/19/2007 | 5/29/2008 | 11/6/2008 | 6/11/2009 | 11/18/2009 | 5/20/2010 | 12/16/2010 |
| 1,1 - Dichloroethane | 4.74 | 3.89 | 3.88 | 2.91 | 2.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Benzene | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| trans 1,2-Dichloroethene | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | | - | | - | | | | - | | | | |
| | | | | | | | | | | | | |

| | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I |
|----------------------------------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|------------|
| Total Volatiles (601/602) (ug/L) | 5/11/2005 | 11/3/2005 | 5/10/2006 | 11/8/2006 | 5/29/2007 | 11/19/2007 | 5/29/2008 | 11/6/2008 | 6/11/2009 | 11/18/2009 | 5/20/2010 | 12/16/2010 |
| Vinyl Chloride | 84.50 | 99.50 | 65.90 | 142.00 | 109.00 | 850.00 | 351.0 | 290.00 | 474.0 | 263.00 | 251.0 | 311.00 |

| | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I |
|----------------------------------|-----------|------------|----------|------------|-----------|------------|-----------|------------|-----------|-----------|
| Total Volatiles (601/602) (ug/L) | 6/29/2011 | 11/22/2011 | 6/6/2012 | 11/30/2012 | 5/22/2013 | 11/21/2013 | 5/19/2014 | 11/13/2014 | 5/27/2015 | 11/3/2015 |
| 1,1 - Dichloroethane | 0.00 | 6.6 | 0.00 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Benzene | 0.00 | 1.8 | 0.00 | 0.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| trans 1,2-Dichloroethene | 0.00 | 0.00 | 0.00 | 1.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | | |
| | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I | MW-8I |
| Total Volatiles (601/602) (ug/L) | 6/29/2011 | 11/22/2011 | 6/6/2012 | 11/30/2012 | 5/22/2013 | 11/21/2013 | 5/19/2014 | 11/13/2014 | 5/27/2015 | 11/3/2015 |
| Vinyl Chloride | 182.0 | 423.0 | 211.0 | 320.0 | 220.0 | 206.0 | 180.0 | 234.0 | 165.0 | 228.0 |





RFA - 2015 Groundwater Tables and Graphs - BFK

| | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D |
|----------------------------------|-----------|-----------|------------|-----------|------------|------------|------------|-----------|------------|------------|------------|------------|-----------|
| Total Volatiles (601/602) (ug/L) | 11/8/1998 | 5/1/1999 | 11/23/1999 | 6/1/2000 | 11/30/2000 | 5/9/2001 | 11/19/2001 | 5/23/2002 | 11/13/2002 | 6/6/2003 | 11/20/2003 | 7/2/2004 | 12/7/2004 |
| 1,1 - Dichloroethene | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,1 - Dichloroethane | 2.10 | 0.00 | 0.00 | 4.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,2 - Dichloroethane | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,1,1 - Trichloroethane | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | - | - | | | - | | | | - | | - | | |
| | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D |
| Total Volatiles (601/602) (ug/L) | 11/8/1998 | 5/1/1999 | 11/23/1999 | 6/1/2000 | 11/30/2000 | 5/9/2001 | 11/19/2001 | 5/23/2002 | 11/13/2002 | 6/6/2003 | 11/20/2003 | 7/2/2004 | 12/7/2004 |
| Vinyl Chloride | 26.70 | 20.10 | 28.40 | 35.90 | 28.40 | 28.40 | 0.00 | 92.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | _ |
| | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | I |
| Total Volatiles (601/602) (ug/L) | 5/11/2005 | 11/3/2005 | 5/10/2006 | 11/8/2006 | 5/29/2007 | 11/19/2007 | 5/29/2008 | 11/6/2008 | 6/11/2009 | 11/18/2009 | 5/20/2010 | 12/16/2010 | 1 |
| 1,1 - Dichloroethene | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0 | 0.00 | 0.00 | 0.00 | l |
| 1,1 - Dichloroethane | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.30 | 2.29 | 0.00 | 0.0 | 2.96 | 0.00 | 0.00 | l |
| 1,2 - Dichloroethane | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.04 | 0.0 | 0.00 | 0.00 | 14.10 | l |

0.00

0.00

0.00

0.0

0.00

0.00

0.00

| | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D |
|----------------------------------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|------------|
| Total Volatiles (601/602) (ug/L) | 5/11/2005 | 11/3/2005 | 5/10/2006 | 11/8/2006 | 5/29/2007 | 11/19/2007 | 5/29/2008 | 11/6/2008 | 6/11/2009 | 11/18/2009 | 5/20/2010 | 12/16/2010 |
| Vinyl Chloride | 0.00 | 36.50 | 72.7 | 0.00 | 4.92 | 40.10 | 27.3 | 6.83 | 0.00 | 11.30 | 0.00 | 11.80 |

0.00

| | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D |
|----------------------------------|-----------|------------|----------|------------|-----------|------------|-----------|------------|-----------|-----------|
| Total Volatiles (601/602) (ug/L) | 6/29/2011 | 11/22/2011 | 6/6/2012 | 11/30/2012 | 5/22/2013 | 11/21/2013 | 5/19/2014 | 11/13/2014 | 5/27/2015 | 11/3/2015 |
| 1,1 - Dichloroethene | 0.00 | 0.00 | 0.00 | 27.0 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,1 - Dichloroethane | 36.9 | 0.0 | 7.2 | 0.00 | 6.4 | 17.4 | 0.00 | 6.98 | 0.00 | 5.40 |
| 1,2 - Dichloroethane | 0.00 | 8.1 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,1,1 - Trichloroethane | 7.7 | 0.00 | 0.00 | 3.8 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |

0.00

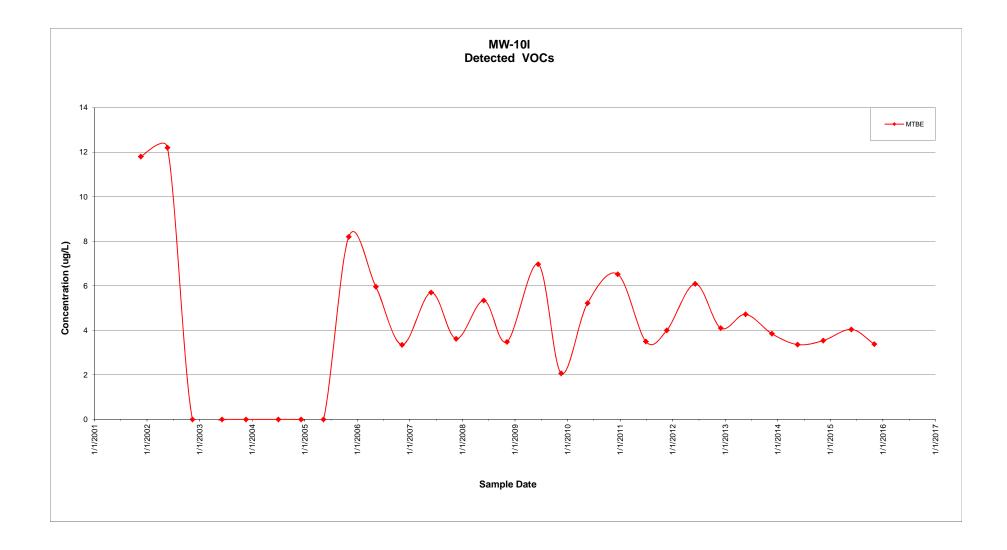
1,1,1 - Trichloroethane

0.00

0.00

0.00

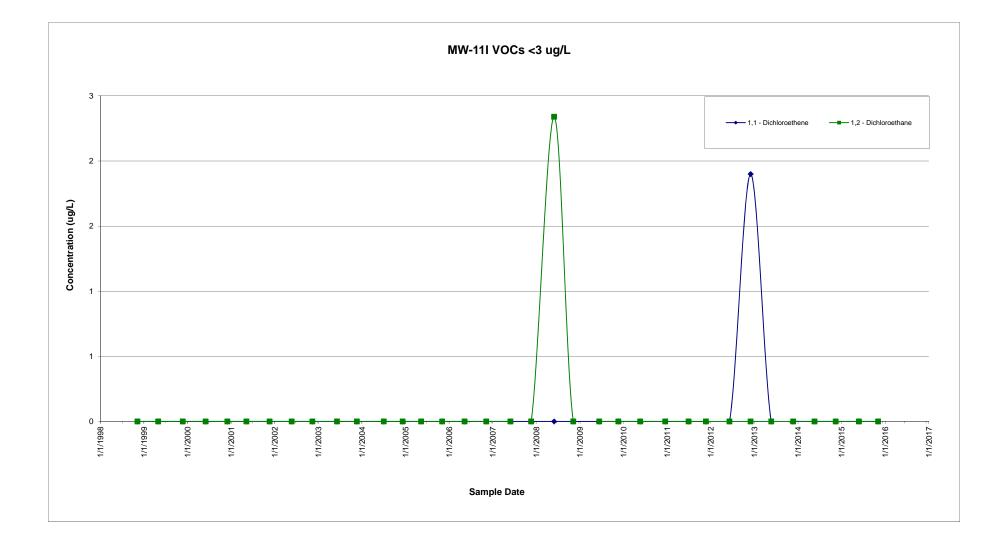
| | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D | MW-9D |
|----------------------------------|-----------|------------|----------|------------|-----------|------------|-----------|------------|-----------|-----------|
| Total Volatiles (601/602) (ug/L) | 6/29/2011 | 11/22/2011 | 6/6/2012 | 11/30/2012 | 5/22/2013 | 11/21/2013 | 5/19/2014 | 11/13/2014 | 5/27/2015 | 11/3/2015 |
| Vinyl Chloride | 54.2 | 27.8 | 14.9 | 120.0 | 35.5 | 73.8 | 38 | 21.7 | 0 | 15.1 |

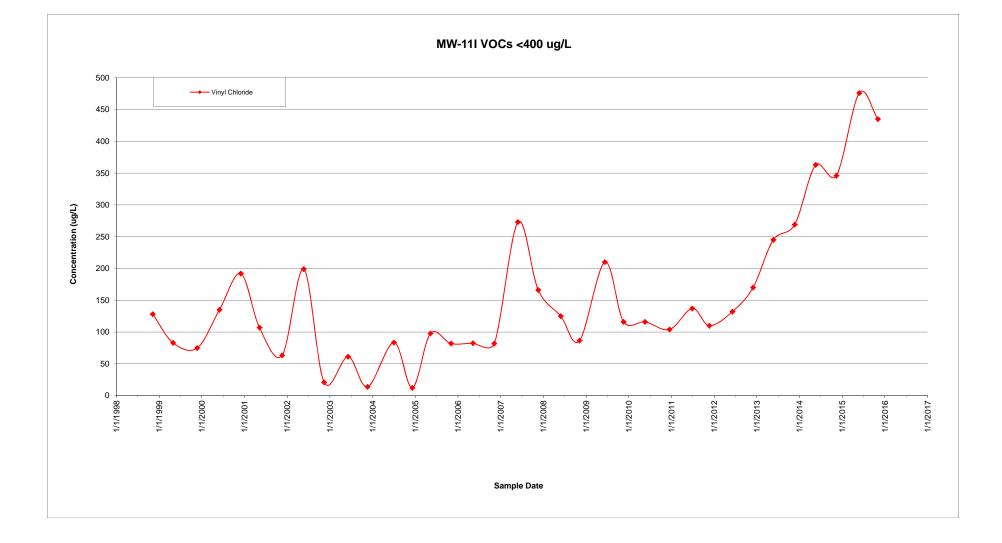


| | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I |
|----------------------------------|-----------|----------|------------|----------|------------|----------|------------|-----------|------------|----------|------------|
| Total Volatiles (601/602) (ug/L) | 11/8/1998 | 5/1/1999 | 11/23/1999 | 6/1/2000 | 11/30/2000 | 5/9/2001 | 11/19/2001 | 5/23/2002 | 11/13/2002 | 6/6/2003 | 11/20/2003 |
| MTBE | NS | NS | NS | NS | NS | NS | 11.80 | 12.20 | 0.00 | 0.00 | 0.00 |

| | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I |
|----------------------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|
| Total Volatiles (601/602) (ug/L) | 7/2/2004 | 12/7/2004 | 5/11/2005 | 11/3/2005 | 5/10/2006 | 11/8/2006 | 5/29/2007 | 11/19/2007 | 5/29/2008 | 11/6/2008 | 6/11/2009 | 11/18/2009 |
| MTBE | 0.00 | 0.00 | 0.00 | 8.20 | 5.96 | 3.35 | 5.70 | 3.62 | 5.34 | 3.48 | 6.97 | 2.07 |

| | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I | MW-10I |
|----------------------------------|-----------|------------|-----------|------------|----------|------------|-----------|------------|-----------|------------|-----------|-----------|
| Total Volatiles (601/602) (ug/L) | 5/20/2010 | 12/16/2010 | 6/29/2011 | 11/22/2011 | 6/6/2012 | 11/30/2012 | 5/22/2013 | 11/21/2013 | 5/19/2014 | 11/13/2014 | 5/27/2015 | 11/3/2015 |
| MTBE | 5.22 | 6.52 | 3.50 | 4.00 | 6.09 | 4.10 | 4.72 | 3.85 | 3.36 | 3.54 | 4.04 | 3.38 |





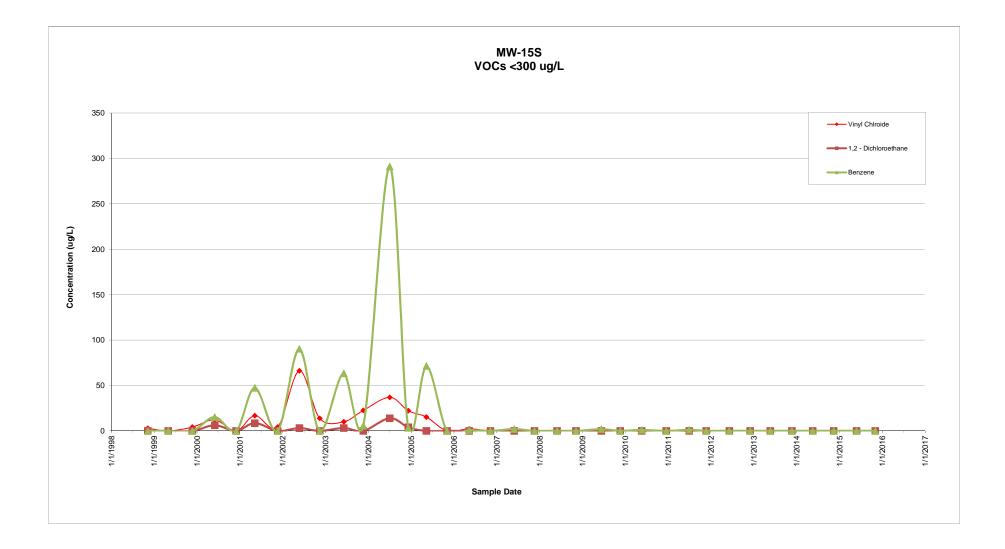
| | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I |
|----------------------------------|-----------|----------|------------|----------|------------|----------|------------|-----------|------------|----------|------------|
| Total Volatiles (601/602) (ug/L) | 11/8/1998 | 5/1/1999 | 11/23/1999 | 6/1/2000 | 11/30/2000 | 5/9/2001 | 11/19/2001 | 5/23/2002 | 11/13/2002 | 6/6/2003 | 11/20/2003 |
| 1,1 - Dichloroethene | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,2 - Dichloroethane | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | | | |
| | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I |
| Total Volatiles (601/602) (ug/L) | 11/8/1998 | 5/1/1999 | 11/23/1999 | 6/1/2000 | 11/30/2000 | 5/9/2001 | 11/19/2001 | 5/23/2002 | 11/13/2002 | 6/6/2003 | 11/20/2003 |
| Vinyl Chloride | 128.10 | 82.90 | 74.80 | 135.00 | 192.00 | 107.00 | 63.30 | 199.00 | 20.90 | 61.10 | 13.70 |

| | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I |
|----------------------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|
| Total Volatiles (601/602) (ug/L) | 7/2/2004 | 12/7/2004 | 5/11/2005 | 11/3/2005 | 5/10/2006 | 11/8/2006 | 5/29/2007 | 11/19/2007 | 5/29/2008 | 11/6/2008 | 6/11/2009 | 11/18/2009 |
| 1,1 - Dichloroethene | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,2 - Dichloroethane | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 0.00 | 0.00 | 0.00 |

| | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I |
|----------------------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|
| Total Volatiles (601/602) (ug/L) | 7/2/2004 | 12/7/2004 | 5/11/2005 | 11/3/2005 | 5/10/2006 | 11/8/2006 | 5/29/2007 | 11/19/2007 | 5/29/2008 | 11/6/2008 | 6/11/2009 | 11/18/2009 |
| Vinyl Chloride | 83.40 | 12.10 | 97.80 | 81.90 | 82.40 | 81.80 | 273.00 | 166.00 | 125 | 86.40 | 210.0 | 116.00 |

| | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I |
|----------------------------------|-----------|------------|-----------|------------|----------|------------|-----------|------------|-----------|------------|-----------|-----------|
| Total Volatiles (601/602) (ug/L) | 5/20/2010 | 12/16/2010 | 6/29/2011 | 11/22/2011 | 6/6/2012 | 11/30/2012 | 5/22/2013 | 11/21/2013 | 5/19/2014 | 11/13/2014 | 5/27/2015 | 11/3/2015 |
| 1,1 - Dichloroethene | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.9 | 0.0 | 0 | 0 | 0 | 0 | 0 |
| 1,2 - Dichloroethane | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 |

| _ | | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I | MW-11I |
|---|----------------------------------|-----------|------------|-----------|------------|----------|------------|-----------|------------|-----------|------------|-----------|-----------|
| | Total Volatiles (601/602) (ug/L) | 5/20/2010 | 12/16/2010 | 6/29/2011 | 11/22/2011 | 6/6/2012 | 11/30/2012 | 5/22/2013 | 11/21/2013 | 5/19/2014 | 11/13/2014 | 5/27/2015 | 11/3/2015 |
| ſ | Vinyl Chloride | 116.0 | 104.00 | 137.0 | 110.0 | 132.0 | 170.0 | 245.0 | 269 | 363 | 346 | 476 | 435 |



| | MW-15S | MW-15S | MW-15S | MW-15S | MW-15S | MW-15S | MW-15S | MW-15S | MW-15S | MW-15S | MW-15S |
|----------------------------------|-----------|----------|------------|----------|------------|----------|------------|-----------|------------|----------|------------|
| Total Volatiles (601/602) (ug/L) | 11/8/1998 | 5/1/1999 | 11/23/1999 | 6/1/2000 | 11/30/2000 | 5/9/2001 | 11/19/2001 | 5/23/2002 | 11/13/2002 | 6/6/2003 | 11/20/2003 |
| Vinyl Chlroide | 3.00 | 0.00 | 4.30 | 12.10 | 0.00 | 16.80 | 4.30 | 66.30 | 13.90 | 10.10 | 22.60 |
| 1,2 - Dichloroethane | 0.00 | 0.00 | 0.00 | 6.20 | 0.00 | 8.60 | 0.00 | 3.10 | 0.00 | 3.18 | 0.00 |
| Benzene | 0.00 | 0.00 | 0.00 | 15.20 | 0.00 | 47.40 | 0.00 | 90.30 | 0.00 | 63.40 | 5.89 |

| | MW-15S | MW-15S | MW-15S | MW-15S | MW-15S | MW-15S | MW-15S | MW-15S | MW-15S | MW-15S | MW-15S | MW-15S |
|----------------------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|
| Total Volatiles (601/602) (ug/L) | 7/2/2004 | 12/7/2004 | 5/11/2005 | 11/3/2005 | 5/10/2006 | 11/8/2006 | 5/29/2007 | 11/19/2007 | 5/29/2008 | 11/6/2008 | 6/11/2009 | 11/18/2009 |
| Vinyl Chlroide | 37.00 | 22.20 | 15.30 | 0.00 | 2.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,2 - Dichloroethane | 14.00 | 3.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Benzene | 291.00 | 3.37 | 71.50 | 0.00 | 0.95 | 0.00 | 1.98 | 0.00 | 0.00 | 0.00 | 1.90 | 0.00 |

| | MW-15S | MW-15S | MW-158 | MW-15S | MW-15S | MW-158 | MW-15S | MW-15S | MW-15S | MW-15S | MW-15S | MW-15S |
|----------------------------------|-----------|------------|-----------|------------|----------|------------|-----------|------------|-----------|------------|-----------|-----------|
| Total Volatiles (601/602) (ug/L) | 5/20/2010 | 12/16/2010 | 6/29/2011 | 11/22/2011 | 6/6/2012 | 11/30/2012 | 5/22/2013 | 11/21/2013 | 5/19/2014 | 11/13/2014 | 5/27/2015 | 11/3/2015 |
| Vinyl Chlroide | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,2 - Dichloroethane | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Benzene | 1.04 | 0.00 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

APPENDIX C

ANALYTICAL DATA LABORATORY REPORTS



Analytical Report For

City of Rochester

For Lab Project ID

150176

Referencing

RFA Monthly Sampling DEQ-98045 *Prepared* Thursday, January 22, 2015

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt

Report Prepared Thursday, January 22, 2015



| Client: | <u>City of Rochester</u> | | |
|--------------------|--------------------------------|----------------|-----------|
| Project Reference: | RFA Monthly Sampling DEQ-98045 | | |
| Sample Identifier: | Effluent | | |
| Lab Sample ID: | 150176-01 | Date Sampled: | 1/15/2015 |
| Matrix: | Water | Date Received: | 1/15/2015 |

<u>рН</u>

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
|---------|---------------|--------------|------------------|-----------------|
| рН | 8.26 @ 18.8 C | S.U. | | 1/16/2015 15:20 |

Method Reference(s): SM 4500 H+ B / EPA 9040

ELAP does not offer this test for approval as part of their laboratory certification program.

Volatile Organics

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
|---------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane | 23.1 | ug/L | | 1/16/2015 14:53 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 1/16/2015 14:53 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 1/16/2015 14:53 |
| 1,1-Dichloroethane | 12.7 | ug/L | | 1/16/2015 14:53 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 1/16/2015 14:53 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 1/16/2015 14:53 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 1/16/2015 14:53 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 1/16/2015 14:53 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 1/16/2015 14:53 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 1/16/2015 14:53 |
| 2-Butanone | 40.2 | ug/L | | 1/16/2015 14:53 |
| 2-Chloroethyl vinyl Ether | < 10.0 | ug/L | | 1/16/2015 14:53 |
| 4-Methyl-2-pentanone | 7.61 | ug/L | | 1/16/2015 14:53 |
| Acetone | 37.5 | ug/L | | 1/16/2015 14:53 |
| Benzene | < 0.700 | ug/L | | 1/16/2015 14:53 |
| Bromodichloromethane | < 2.00 | ug/L | | 1/16/2015 14:53 |
| Bromoform | < 5.00 | ug/L | | 1/16/2015 14:53 |
| Bromomethane | < 2.00 | ug/L | | 1/16/2015 14:53 |
| Carbon Tetrachloride | < 2.00 | ug/L | | 1/16/2015 14:53 |
| Chlorobenzene | < 2.00 | ug/L | | 1/16/2015 14:53 |
| Chloroethane | < 2.00 | ug/L | | 1/16/2015 14:53 |
| Chloroform | < 2.00 | ug/L | | 1/16/2015 14:53 |
| | | | | |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt. Page 2 of 7



| Client: | <u>City of Roche</u> | <u>ester</u> | | | | | |
|-----------------------|----------------------|--------------|-----------------------|---------------|-----------------|-------------------|-------|
| Project Reference: | RFA Monthly | Sampling | DEQ-98045 | | | | |
| Sample Identifier: | Effluent | | | | | | |
| Lab Sample ID: | 150176-01 | | | Dat | e Sampled: | 1/15/2015 | |
| Matrix: | Water | | | Dat | e Received: | 1/15/2015 | |
| Chloromethane | | < 2.00 | ug/L | | | 1/16/2015 | 14:53 |
| cis-1,3-Dichloroprope | ene | < 2.00 | ug/L | | | 1/16/2015 | 14:53 |
| Dibromochlorometha | ne | < 2.00 | ug/L | | | 1/16/2015 | 14:53 |
| Ethylbenzene | | < 2.00 | ug/L | | | 1/16/2015 | 14:53 |
| Methylene chloride | | < 5.00 | ug/L | | | 1/16/2015 | 14:53 |
| Tetrachloroethene | | < 2.00 | ug/L | | | 1/16/2015 | 14:53 |
| Toluene | | 2.23 | ug/L | | | 1/16/2015 | 14:53 |
| trans-1,2-Dichloroeth | ene | < 2.00 | ug/L | | | 1/16/2015 | 14:53 |
| trans-1,3-Dichloropro | opene | < 2.00 | ug/L | | | 1/16/2015 | 14:53 |
| Trichloroethene | | < 2.00 | ug/L | | | 1/16/2015 | 14:53 |
| Vinyl chloride | | < 2.00 | ug/L | | | 1/16/2015 | 14:53 |
| <u>Surrogate</u> | | Per | <u>ccent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| 1,2-Dichloroethane-d | 4 | | 105 | 85.7 - 112 | | 1/16/2015 | 14:53 |
| 4-Bromofluorobenzer | ne | | 95.5 | 86.6 - 110 | | 1/16/2015 | 14:53 |
| Pentafluorobenzene | | | 102 | 94.6 - 106 | | 1/16/2015 | 14:53 |
| Toluene-D8 | | | 102 | 91.8 - 107 | | 1/16/2015 | 14:53 |
| | | | | | | | |

| Method Reference(s): | EPA 624 |
|----------------------|----------|
| Data File: | x19959.D |

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Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard. sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns. "NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted. "(1)" = Indicates data from primary column used for QC calculation.

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GENERAL TERMS AND CONDITIONS LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

| Warranty. | Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied. |
|-----------------------|---|
| Scope and | LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the |
| Compensation. | parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order. Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required. |
| Prices. | Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. |
| Limitations of | In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re- |
| Liability. | perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services. LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results. All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB. Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested. |
| Hazard Disclosure. | Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws. |
| Sample Handling. | Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report. Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples. LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis. |
| Legal Responsibility. | LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence. |
| Assignment. | LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report. |
| Force Majeure. | LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control. |
| Law. | This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision. |

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| Turnaround Time Report Supplements Availability contingent upon lab approval; additional fees may apply. Availability contingent upon lab approval; additional fees may apply. Standard 5 day Batch QC Basic EDD Rush 3 day Category A NYSDEC EDD Rush 2 day Category B NYSDEC EDD Rush 1 day Category B Other please indicate: 10 Other | 1 1 1 1 1 2 2 1 1 1 3 3 3 1 1 4 4 3 1 1 5 5 1 1 1 5 6 1 1 1 6 6 1 1 1 7 7 1 1 1 8 1 1 1 1 9 9 1 1 1 10 1 1 1 1 | PROJECT REFERENCE | |
|--|--|---|---|
| | | ennis Peck Sodes: Q - Aqueous Liquid Q - Non-Aqueous Liquid sampLE IDENTIFIER | REP City of Rochest 30 Church S Rochester 428-6884 |
| ab By 15:56 | | | T79 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311 CHAIN OF CUSTODY INVOICE TO: ORT TO: INVOICE TO: ORT TO: INVOICE TO: CLIENT: INVOICE TO: INVOICE TO: INVOICE TO: STATE: NY ZIP 14614 CITY: STATE: ZIP ATTN: |
| $\frac{1}{5} = \frac{1}{5} = \frac{1}$ | tuchte in Job hr repue | C - Soil | |
| Total Cost: 5 / 5 / 6 16 / 5 / - 6 / 4 / 4 / 4 16 / 5 / - 6 / 4 / 4 / 4 $5 / 5 / 10 - \rho / 4 / 4 / 4$ See additional page for sample conditions. | | Decific =VRFA Test Name | LAB PROJECTIO |

| PARADIGM | <u>Chain o</u> j | <u>f Custody Supple</u> | <u>ment</u> |
|---|--|----------------------------------|-----------------|
| Client: | City of Rochester | Completed by: | Glenn Pezzulo |
| Lab Project ID: | 150176 | Date: | 1/16/15 |
| | Sample Condition Per NELAC/ELAP 210/2 | | |
| N Condition | ELAC compliance with the sample con Yes | dition requirements upon No | receipt N/A |
| Container Type | | | |
| Comments | | | · . |
| Transferred to method- compliant container | | | |
| Headspace (<1 mL) Comments | Aov A | | рн |
| Preservation | VOD | | pl-1 |
| Comments | | | |
| Chlorine Absent (<0.10 ppm per test strip) Comments | VOA: CI-neg | | |
| Holding Time | VeA | рн | |
| Comments | | <u>*</u> | |
| Temperature Comments | /5° C | $\dot{\succ}$ | |
| | | | |
| Sufficient Sample Quantity Comments | 624 vials were receiv pH bottle was dropp | ed 1/15, client forgoid off 1/16 | jot to bony pH. |



Analytical Report For

City of Rochester

For Lab Project ID

150582

Referencing

RFA Quarterly Sampling DEQ-98045 *Prepared* Monday, March 09, 2015

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

fra the

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

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Report Prepared Monday, March 09, 2015



Lab Project ID: 150582

| Client: | <u>City of Roch</u> | <u>ester</u> | | | |
|---|---------------------|---------------|--------------|----------------|----------------------|
| Project Reference: | RFA Quarterl | y Sampling D | EQ-98045 | | |
| Sample Identifier: | Effluent | | | | |
| Lab Sample ID: | 150582-01 | | | Date Sampled: | 2/25/2015 |
| Matrix: | Wastewater | | | Date Received: | 2/25/2015 |
| <u>Metals</u> | | | | | |
| Analyte | | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
| Arsenic | | < 0.00500 | mg/L | | 2/27/2015 14:08 |
| Cadmium | | < 0.00250 | mg/L | | 2/27/2015 14:08 |
| Chromium | | < 0.00500 | mg/L | | 2/27/2015 14:08 |
| Copper | | < 0.0125 | mg/L | | 2/27/2015 14:08 |
| Lead | | < 0.00500 | mg/L | | 2/27/2015 14:08 |
| Nickel | | < 0.0200 | mg/L | | 2/27/2015 14:08 |
| Selenium | | 0.0146 | mg/L | | 3/2/2015 11:13 |
| Zinc | | < 0.0300 | mg/L | | 2/27/2015 14:08 |
| Method Reference Preparation Date Data File: <u>Chlorinated Pestic</u> | e: 2/25/2 022715 | 2015 | | | |
| Analyte | | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
| 4,4-DDD | | < 0.100 | ug/L | | 3/3/2015 21:14 |
| 4,4-DDE | | < 0.100 | ug/L | | 3/3/2015 21:14 |
| 4,4-DDT | | < 0.100 | ug/L | | 3/3/2015 21:14 |
| Aldrin | | 0.306 | ug/L | | 3/3/2015 21:14 |
| alpha-BHC | | 0.117 | ug/L | | 3/3/2015 21:14 |
| beta-BHC | | < 0.100 | ug/L | | 3/3/2015 21:14 |
| cis-Chlordane | | < 0.100 | ug/L | | 3/3/2015 21:14 |
| delta-BHC | | < 0.100 | ug/L | | 3/3/2015 21:14 |
| Dieldrin | | < 0.100 | ug/L | | 3/3/2015 21:14 |
| Endosulfan I | | < 0.100 | ug/L | | 3/3/2015 21:14 |
| Endosulfan II | | < 0.100 | ug/L | | 3/3/2015 21:14 |
| Endosulfan Sulfate | | < 0.100 | ug/L | | 3/3/2015 21:14 |
| Endrin | | < 0.100 | ug/L | | 3/3/2015 21:14 |
| Endrin Aldehyde | | < 0.100 | ug/L | | 3/3/2015 21:14 |
| Endrin Ketone | | < 0.100 | ug/L | | 3/3/2015 21:14 |
| gamma-BHC (Lindane) | | < 0.100 | ug/L | | 3/3/2015 21:14 |

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Lab Project ID: 150582

| lient: | <u>City of Roche</u> | <u>ster</u> | | | | | |
|--|--|---------------|--------------------|---------------------|-----------------|-------------------|-------|
| Project Reference: | RFA Quarterly | Sampling | DEQ-98045 | | | | |
| Sample Identifier: | Effluent | | | | | | |
| Lab Sample ID: | 150582-01 | | | Date | e Sampled: | 2/25/2015 | |
| Matrix: | Wastewater | | | Date | e Received: | 2/25/2015 | |
| Heptachlor | | < 0.100 | ug/L | | | 3/3/2015 | 21:14 |
| Heptachlor Epoxide | | < 0.100 | ug/L | | | 3/3/2015 | 21:14 |
| Methoxychlor | | < 0.100 | ug/L | | | 3/3/2015 | 21:14 |
| Toxaphene | | < 1.00 | ug/L | | | 3/3/2015 | 21:14 |
| trans-Chlordane | | < 0.100 | ug/L | | | 3/3/2015 | 21:14 |
| <u>Surrogate</u> | | <u>Perc</u> | ent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| Decachlorobiphenyl (| 1) | | 80.1 | 36.3 - 130 | | 3/3/2015 | 21:14 |
| Tetrachloro-m-xylene | 2 (1) | | 190 | 8.3 - 100.6 | * | 3/3/2015 | 21:14 |
| Method Referer Preparation Da | | 15 | | | | | |
| <u>pH</u> | | | | | | | |
| <u>Analyte</u> | | <u>Result</u> | <u>Units</u> | | Qualifier | Date Anal | yzed |
| рН | | 8.27 @ 16. | 0 C S.U. | | | 2/25/2015 | 14:42 |
| Method Referer ELAP does no | nce(s): SM 4500 t offer this test for a | | art of their labor | atory certificatior | n program. | | |
| <u>Semi-Volatile Org</u> | <u>anics</u> | | | | | | |
| Analyte | | <u>Result</u> | <u>Units</u> | | Qualifier | Date Anal | yzed |
| 3&4-Methylphenol | | < 10.0 | ug/L | | | 2/27/2015 | 22:33 |
| Bis (2-ethylhexyl) pht | halate | < 10.0 | ug/L | | | 2/27/2015 | 22:33 |
| Diethyl phthalate | | 31.4 | ug/L | | | 2/27/2015 | 22:33 |
| <u>Surrogate</u> | | Perc | ent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| 2-Fluorobiphenyl | | | 71.8 | 23.4 - 104 | | 2/27/2015 | 22:33 |
| Nitrobenzene-d5 | | | 72.3 | 50.3 - 96 | | 2/27/2015 | 22:33 |
| Terphenyl-d14 | | | 77.2 | 60.9 - 109 | | 2/27/2015 | 22:33 |
| Method Referer Preparation Da Data File: | | 15 | | | | | |
| <u>Volatile Organics</u> | | | | | | | |
| <u>Analyte</u> | | <u>Result</u> | <u>Units</u> | | Qualifier | Date Anal | yzed |
| 1,1,1-Trichloroethane | 2 | 9.79 | ug/L | | | 2/26/2015 | 20:31 |
| 1,1,2,2-Tetrachloroeth | nane | < 5.00 | ug/L | | | 2/26/2015 | 20:31 |

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Report Prepared Monday, March 09, 2015



| Client: | <u>City of Roche</u> | <u>ster</u> | | | | |
|-------------------------|----------------------|-------------|--------------|----------------|-----------|-------|
| Project Reference: | RFA Quarterly | v Samplin | ng DEQ-98045 | | | |
| Sample Identifier: | Effluent | | | | | |
| Lab Sample ID: | 150582-01 | | | Date Sampled: | 2/25/2015 | |
| Matrix: | Wastewater | | | Date Received: | 2/25/2015 | |
| 1,1,2-Trichloroethane | | < 5.00 | ug/L | | 2/26/2015 | 20:31 |
| 1,1-Dichloroethane | | 12.0 | ug/L | | 2/26/2015 | 20:31 |
| 1,1-Dichloroethene | | < 5.00 | ug/L | | 2/26/2015 | 20:31 |
| 1,2-Dichlorobenzene | | < 5.00 | ug/L | | 2/26/2015 | 20:31 |
| 1,2-Dichloroethane | | < 5.00 | ug/L | | 2/26/2015 | 20:31 |
| 1,2-Dichloropropane | | < 5.00 | ug/L | | 2/26/2015 | 20:31 |
| 1,3-Dichlorobenzene | | < 5.00 | ug/L | | 2/26/2015 | 20:31 |
| 1,4-Dichlorobenzene | | < 5.00 | ug/L | | 2/26/2015 | 20:31 |
| 2-Butanone | | 42.8 | ug/L | | 2/26/2015 | 20:31 |
| 2-Chloroethyl vinyl Eth | ier | < 25.0 | ug/L | | 2/26/2015 | 20:31 |
| 4-Methyl-2-pentanone | | < 12.5 | ug/L | | 2/26/2015 | 20:31 |
| Acetone | | 66.5 | ug/L | | 2/26/2015 | 20:31 |
| Benzene | | < 1.75 | ug/L | | 2/26/2015 | 20:31 |
| Bromodichloromethan | e | < 5.00 | ug/L | | 2/26/2015 | 20:31 |
| Bromoform | | < 12.5 | ug/L | | 2/26/2015 | 20:31 |
| Bromomethane | | < 5.00 | ug/L | | 2/26/2015 | 20:31 |
| Carbon Tetrachloride | | < 5.00 | ug/L | | 2/26/2015 | 20:31 |
| Chlorobenzene | | < 5.00 | ug/L | | 2/26/2015 | 20:31 |
| Chloroethane | | < 5.00 | ug/L | | 2/26/2015 | 20:31 |
| Chloroform | | < 5.00 | ug/L | | 2/26/2015 | 20:31 |
| Chloromethane | | < 5.00 | ug/L | | 2/26/2015 | 20:31 |
| cis-1,3-Dichloropropen | ie | < 5.00 | ug/L | | 2/26/2015 | 20:31 |
| Dibromochloromethan | e | < 5.00 | ug/L | | 2/26/2015 | 20:31 |
| Ethylbenzene | | < 5.00 | ug/L | | 2/26/2015 | 20:31 |
| Methylene chloride | | < 12.5 | ug/L | | 2/26/2015 | 20:31 |
| Tetrachloroethene | | < 5.00 | ug/L | | 2/26/2015 | 20:31 |
| Toluene | | < 5.00 | ug/L | | 2/26/2015 | 20:31 |
| trans-1,2-Dichloroethe | ne | < 5.00 | ug/L | | 2/26/2015 | 20:31 |
| trans-1,3-Dichloroprop | oene | < 5.00 | ug/L | | 2/26/2015 | 20:31 |
| Trichloroethene | | < 5.00 | ug/L | | 2/26/2015 | 20:31 |
| Vinyl chloride | | < 5.00 | ug/L | | 2/26/2015 | 20:31 |

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Lab Project ID: 150582

| <u>City of Rochester</u> | : | | | | |
|----------------------------|--|--|---|--|--|
| RFA Quarterly San | npling DEQ-98045 | | | | |
| Effluent | | | | | |
| 150582-01 | | Dat | e Sampled: | 2/25/2015 | |
| Wastewater | | Dat | e Received: | 2/25/2015 | |
| | Percent Recovery | Limits | <u>Outliers</u> | Date Analy | zed |
| | 102 | 80.4 - 116 | | 2/26/2015 | 20:31 |
| e | 97.4 | 87 - 109 | | 2/26/2015 | 20:31 |
| | 96.5 | 92.8 - 109 | | 2/26/2015 | 20:31 |
| | 98.3 | 92.1 - 107 | | 2/26/2015 | 20:31 |
| ce(s): EPA 624 x20660.D | | | | | |
| e | RFA Quarterly San Effluent 150582-01 Wastewater | 150582-01 Wastewater Percent Recovery 102 97.4 96.5 98.3 re(s): EPA 624 | RFA Quarterly Sampling DEQ-98045 Effluent 150582-01 Data Wastewater Data Percent Recovery Limits 102 80.4 - 116 97.4 87 - 109 96.5 92.8 - 109 98.3 92.1 - 107 | RFA Quarterly Sampling DEQ-98045 Effluent 150582-01 Date Sampled: Wastewater Date Received: 102 80.4 - 116 97.4 87 - 109 96.5 92.8 - 109 98.3 92.1 - 107 | RFA Quarterly Sampling DEQ-98045 Effluent 150582-01 Date Sampled: 2/25/2015 Wastewater Date Received: 2/25/2015 Percent Recovery Limits Outliers Date Analy 102 80.4 - 116 2/26/2015 97.4 87 - 109 2/26/2015 96.5 92.8 - 109 2/26/2015 98.3 92.1 - 107 2/26/2015 |

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Lab Project ID: 150582

| Client: <u>City of Rochester</u> | | | | | | | | |
|---|---------------|-----------------------------------|--------------|---------------------------------|------------------------|--|--|--|
| Project Reference: | RFA Q | RFA Quarterly Sampling DEQ-98045 | | | | | | |
| Sample Identifier: Lab Sample ID: Matrix: | | ent 82-02 ewater | | Date Sampled: Date Received: | 2/25/2015 2/25/2015 | | | |
| Total Alkalinity | | | | | | | | |
| <u>Analyte</u> | | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed | | | |
| Alkalinity, Total | | 400 | mg/L | | 3/4/2015 | | | |
| Method Refere Subcontractor | | SM 2320 B 10709 | | | | | | |
| <u>Total Hardness</u> | | | | | | | | |
| <u>Analyte</u> | | Result | <u>Units</u> | Qualifier | Date Analyzed | | | |
| Hardness, Total | | 626 | mg/L | | 3/2/2015 12:25 | | | |
| Method Refere Preparation Da | | EPA 200.7 2/27/2015 | | | | | | |
| <u>Metals</u> | | | | | | | | |
| <u>Analyte</u> | | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed | | | |
| Arsenic | | < 0.00500 | mg/L | | 3/2/2015 12:25 | | | |
| Cadmium | | < 0.00250 | mg/L | | 3/2/2015 12:25 | | | |
| Chromium | | < 0.00500 | mg/L | | 3/2/2015 12:25 | | | |
| Copper | | < 0.0125 | mg/L | | 3/2/2015 12:25 | | | |
| Lead | | < 0.00500 | mg/L | | 3/2/2015 12:25 | | | |
| Nickel | | < 0.0200 | mg/L | | 3/2/2015 12:25 | | | |
| Selenium | | 0.00953 | mg/L | | 3/2/2015 13:49 | | | |
| Zinc | | < 0.0300 | mg/L | | 3/2/2015 12:25 | | | |
| Method Refere Preparation Da Data File: | | EPA 200.7 2/27/2015 030215a | | | | | | |
| <u>Chlorinated Pest</u> | <u>icides</u> | | | | | | | |
| <u>Analyte</u> | | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed | | | |
| 4,4-DDD | | < 0.100 | ug/L | | 3/3/2015 21:30 | | | |
| 4,4-DDE | | < 0.100 | ug/L | | 3/3/2015 21:30 | | | |
| 4,4-DDT | | < 0.100 | ug/L | | 3/3/2015 21:30 | | | |
| Aldrin | | 0.113 | ug/L | | 3/3/2015 21:30 | | | |
| alpha-BHC | | 0.151 | ug/L | | 3/3/2015 21:30 | | | |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt. Page 6 of 14



| Client: | <u>City of Roche</u> | <u>ster</u> | | | | | |
|--------------------------------------|--|---------------|------------------|---------------------|------------------|-------------------|-------------|
| Project Reference: | RFA Quarterly | Sampling D | EQ-98045 | | | | |
| Sample Identifier: | Influent | | | | | | |
| Lab Sample ID: | 150582-02 | | | Date | e Sampled: | 2/25/2015 | |
| Matrix: | Wastewater | | | Date | e Received: | 2/25/2015 | |
| beta-BHC | | < 0.100 | ug/L | | | 3/3/2015 | 21:30 |
| cis-Chlordane | | < 0.100 | ug/L | | | 3/3/2015 | 21:30 |
| delta-BHC | | < 0.100 | ug/L | | | 3/3/2015 | 21:30 |
| Dieldrin | | < 0.100 | ug/L | | | 3/3/2015 | 21:30 |
| Endosulfan I | | < 0.100 | ug/L | | | 3/3/2015 | 21:30 |
| Endosulfan II | | < 0.100 | ug/L | | | 3/3/2015 | 21:30 |
| Endosulfan Sulfate | | < 0.100 | ug/L | | | 3/3/2015 | 21:30 |
| Endrin | | < 0.100 | ug/L | | | 3/3/2015 | 21:30 |
| Endrin Aldehyde | | < 0.100 | ug/L | | | 3/3/2015 | 21:30 |
| Endrin Ketone | | < 0.100 | ug/L | | | 3/3/2015 | 21:30 |
| gamma-BHC (Lindane) | | < 0.100 | ug/L | | | 3/3/2015 | 21:30 |
| Heptachlor | | < 0.100 | ug/L | | | 3/3/2015 | 21:30 |
| Heptachlor Epoxide | | < 0.100 | ug/L | | | 3/3/2015 | 21:30 |
| Methoxychlor | | < 0.100 | ug/L | | | 3/3/2015 | 21:30 |
| Toxaphene | | < 1.00 | ug/L | | | 3/3/2015 | 21:30 |
| trans-Chlordane | | < 0.100 | ug/L | | | 3/3/2015 | 21:30 |
| Surrogate | | Percen | t Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| Decachlorobiphenyl (1) |) | 7 | 72.6 | 36.3 - 130 | | 3/3/2015 | 21:30 |
| Tetrachloro-m-xylene (| 1) | | 196 | 8.3 - 100.6 | * | 3/3/2015 | 21:30 |
| Method Reference Preparation Date | | 15 | | | | | |
| рH | | | | | | | |
| <u>Analyte</u> | | <u>Result</u> | <u>Units</u> | | Qualifier | Date Anal | <u>yzed</u> |
| рН | | 7.03 @ 17.4 (| S.U. | | | 2/25/2015 | 14:42 |
| Method Reference ELAP does not d | e(s): SM 4500 offer this test for a | | t of their labor | atory certification | n program. | | |
| <u>Volatile Organics</u> | | | | | | | |
| <u>Analyte</u> | | <u>Result</u> | <u>Units</u> | | Qualifier | Date Anal | <u>yzed</u> |
| 1,1,1-Trichloroethane | | 7150 | ug/L | | | 2/26/2015 | 20:55 |
| 1122 Totrachlorootha | no | ~ 200 | ug/I | | | 2/26/2015 | 20.55 |

2/26/2015 20:55 1,1,2,2-Tetrachloroethane < 200 ug/L < 200 1,1,2-Trichloroethane ug/L 2/26/2015 20:55

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt. Page 7 of 14



| Client: | <u>City of Roche</u> | <u>ster</u> | | | | |
|-------------------------|----------------------|-------------|---------|----------------|-----------|-------|
| Project Reference: | RFA Quarterly | Sampling DE | Q-98045 | | | |
| Sample Identifier: | Influent | | | | | |
| Lab Sample ID: | 150582-02 | | | Date Sampled: | 2/25/2015 | |
| Matrix: | Wastewater | | | Date Received: | 2/25/2015 | |
| 1,1-Dichloroethane | | 3280 | ug/L | | 2/26/2015 | 20:55 |
| 1,1-Dichloroethene | | < 200 | ug/L | | 2/26/2015 | 20:55 |
| 1,2-Dichlorobenzene | | < 200 | ug/L | | 2/26/2015 | 20:55 |
| 1,2-Dichloroethane | | < 200 | ug/L | | 2/26/2015 | 20:55 |
| 1,2-Dichloropropane | | < 200 | ug/L | | 2/26/2015 | 20:55 |
| 1,3-Dichlorobenzene | | < 200 | ug/L | | 2/26/2015 | 20:55 |
| 1,4-Dichlorobenzene | | < 200 | ug/L | | 2/26/2015 | 20:55 |
| 2-Butanone | | < 1000 | ug/L | | 2/26/2015 | 20:55 |
| 2-Chloroethyl vinyl Eth | ner | < 1000 | ug/L | | 2/26/2015 | 20:55 |
| 4-Methyl-2-pentanone | | < 500 | ug/L | | 2/26/2015 | 20:55 |
| Acetone | | < 1000 | ug/L | | 2/26/2015 | 20:55 |
| Benzene | | < 70.0 | ug/L | | 2/26/2015 | 20:55 |
| Bromodichloromethan | e | < 200 | ug/L | | 2/26/2015 | 20:55 |
| Bromoform | | < 500 | ug/L | | 2/26/2015 | 20:55 |
| Bromomethane | | < 200 | ug/L | | 2/26/2015 | 20:55 |
| Carbon Tetrachloride | | < 200 | ug/L | | 2/26/2015 | 20:55 |
| Chlorobenzene | | < 200 | ug/L | | 2/26/2015 | 20:55 |
| Chloroethane | | 310 | ug/L | | 2/26/2015 | 20:55 |
| Chloroform | | < 200 | ug/L | | 2/26/2015 | 20:55 |
| Chloromethane | | < 200 | ug/L | | 2/26/2015 | 20:55 |
| cis-1,3-Dichloroproper | ie | < 200 | ug/L | | 2/26/2015 | 20:55 |
| Dibromochloromethan | e | < 200 | ug/L | | 2/26/2015 | 20:55 |
| Ethylbenzene | | < 200 | ug/L | | 2/26/2015 | 20:55 |
| Methylene chloride | | < 500 | ug/L | | 2/26/2015 | 20:55 |
| Tetrachloroethene | | < 200 | ug/L | | 2/26/2015 | 20:55 |
| Toluene | | 650 | ug/L | | 2/26/2015 | 20:55 |
| trans-1,2-Dichloroethe | ne | < 200 | ug/L | | 2/26/2015 | 20:55 |
| trans-1,3-Dichloroprop | oene | < 200 | ug/L | | 2/26/2015 | 20:55 |
| Trichloroethene | | < 200 | ug/L | | 2/26/2015 | 20:55 |
| Vinyl chloride | | 1340 | ug/L | | 2/26/2015 | 20:55 |

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Lab Project ID: 150582

| Client: | City of Rocheste | r | | | | |
|-----------------------|------------------|------------------|---------------|-----------------|-------------------|-------|
| Project Reference: | RFA Quarterly Sa | mpling DEQ-98045 | | | | |
| Sample Identifier: | Influent | | | | | |
| Lab Sample ID: | 150582-02 | | Dat | e Sampled: | 2/25/2015 | |
| Matrix: | Wastewater | | Dat | e Received: | 2/25/2015 | |
| Surrogate | | Percent Recovery | Limits | <u>Outliers</u> | Date Analy | zed |
| 1,2-Dichloroethane-d4 | 4 | 101 | 80.4 - 116 | | 2/26/2015 | 20:55 |
| 4-Bromofluorobenzen | ie | 95.8 | 87 - 109 | | 2/26/2015 | 20:55 |
| Pentafluorobenzene | | 98.5 | 92.8 - 109 | | 2/26/2015 | 20:55 |
| Toluene-D8 | | 96.8 | 92.1 - 107 | | 2/26/2015 | 20:55 |
| Method Referen | ace(s): EPA 624 | | | | | |
| Data File: | x20661.D | | | | | |

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Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard. sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns. "NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted. "(1)" = Indicates data from primary column used for QC calculation.

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GENERAL TERMS AND CONDITIONS LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

| Warranty. | Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied. |
|-----------------------|---|
| Scope and | LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the |
| Compensation. | parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order. Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required. |
| Prices. | Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. |
| Limitations of | In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re- |
| Liability. | perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services. LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results. All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB. Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested. |
| Hazard Disclosure. | Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws. |
| Sample Handling. | Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report. Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples. LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis. |
| Legal Responsibility. | LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence. |
| Assignment. | LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report. |
| Force Majeure. | LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control. |
| Law. | This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision. |

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| CK ATTN: | Rochester STATE: NY ZIP 14614 CITY: STATE: ZIP: ** 428-6884 PHONE: PHONE: |
|-----------------|---|
| PHONE: ATTN: | STATE: NY ZIP 14614 CITV: STATE: ZIP: PHONE: ATTN: |
| PHONE: | AT STATE: NY ZIP 14614 CITY: STATE: ZIP: PHONE: ZIP: |
| | Rochester STATE: NY ZIP 14614 CITY: STATE: ZIP: |

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| | | <u>Chain of Custody Supplement</u> | • |
| | | | |
| | | | |
| | | | |
| | Client: | City of Rochester Completed by: Glenn Vezzula | |
| | | | • |
| | Lab Project ID: | $\frac{1}{5056}$ Date: $\frac{2}{000}$ | |
| * 11 | · · · | Sample Condition Requirements | |
| • | . <i>*</i> | Per NELAC/ELAP 210/241/242/243/244 | • |
| • • • | N | ELAC compliance with the sample condition requirements upon receipt | |
| · · · | Condition | Yes No N/A | |
| | Container Type | | |
| • • • | Comments | | |
| | Comments | | |
| | | | ••••• |
| | Transferred to method- | Alkalinity subout | |
| . • • | compliant container | Allactary J Subject + | · · · · · · · · · · · · · · · · · · · |
| | Headspace (<1 mL) | Alkalmin L | • • • |
| | Comments | Transferred portion of unpreserved Influent pH sample to p.2. | |
| | | bottle w/ no hand space for Alkalinity subout. | |
| · · · · · · | Preservation | Added 3-m1 5% NaOH to Efflicat 625 sample to increase pH to 7 (10+ | e in hold t |
| | · · · · | Allel 2 I Have to I Elizat melels sandle to AH 62 (10+ C473035) + | ∂/36@:14 |
| | Comments | Added 5 mi Files to In more miles 5 of the provide of the 7 (lot | # 2820) |
| | | Added 5-mi Sto Nauri to Effluent 625 Sampe To Indiase portion 1 | |
| | Chlorine Absent | | |
| | (<0.10 ppni per test strip) Comments | VOA: CI-ney | . • |
| | | \mathcal{J} | . : |
| • | | | • . |
| | Holding Time | | |
| | Comments | | |
| | | | • • |
| 4 | Temperature | X Ments | |
| | Comments | 7°Cicel Storted in Field | P |
| | Comments | | |
| | | | |
| | Sufficient Sample Quantity | | |
| | Comments | . (.` | |
| ···· | | · · · · · · · · · · · · · · · · · · · | |
| | | | |
| | | | ` د. : |
| | | Page 13 of 14 | |
| | | 179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958 Page 13 OF 14 | • |

25250

ESE.

| CHAIN OF CUSTODY REFORT TO: INVICE TO: Paradigm Environmental communication Fax < | Sample Condition: Per NELAC/ELAP 210/241/242/243/244 Container Type: V Container Type: V Container Type: V Container Type: V Container Type: V Container Type: V Comments: V C | | PARADIGN PARADIGN PROJECT NAMESITE NAME: PROJECT NAMESITE NAMESI |
|---|--|----------------------------------|--|
| Pate/Time | | | REPORT |
| ADIRO | Client mpled By Ceived By ceived @ Lab By | בשמת 2021- כ- בתק 0 מצו- כ | |
| | Date/Time Date/Time Date/Time Date/Time | | TO: STATE: @paradigmen |



Analytical Report For

City of Rochester

For Lab Project ID

150848

Referencing

RFA Monthly Sampling DEQ-98045 *Prepared* Monday, March 30, 2015

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

101

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

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Report Prepared Monday, March 30, 2015



| Client: | <u>City of Rochester</u> | | |
|--------------------|--------------------------------|----------------|-----------|
| Project Reference: | RFA Monthly Sampling DEQ-98045 | | |
| Sample Identifier: | Effluent | | |
| Lab Sample ID: | 150848-01 | Date Sampled: | 3/17/2015 |
| Matrix: | Wastewater | Date Received: | 3/17/2015 |

<u>рН</u>

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
|---------|---------------|--------------|------------------|-----------------|
| рН | 8.26 @ 20.7 | S.U. | | 3/17/2015 15:14 |

Method Reference(s): SM 4500 H+ B

ELAP does not offer this test for approval as part of their laboratory certification program.

Volatile Organics

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
|---------------------------|---------------|--------------|-----------|----------------------|
| 1,1,1-Trichloroethane | 14.1 | ug/L | | 3/26/2015 17:37 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 3/26/2015 17:37 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 3/26/2015 17:37 |
| 1,1-Dichloroethane | 6.32 | ug/L | | 3/26/2015 17:37 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 3/26/2015 17:37 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 3/26/2015 17:37 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 3/26/2015 17:37 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 3/26/2015 17:37 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 3/26/2015 17:37 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 3/26/2015 17:37 |
| 2-Butanone | 14.7 | ug/L | | 3/26/2015 17:37 |
| 2-Chloroethyl vinyl Ether | < 10.0 | ug/L | | 3/26/2015 17:37 |
| 4-Methyl-2-pentanone | 6.84 | ug/L | | 3/26/2015 17:37 |
| Acetone | 19.4 | ug/L | | 3/26/2015 17:37 |
| Benzene | < 0.700 | ug/L | | 3/26/2015 17:37 |
| Bromodichloromethane | < 2.00 | ug/L | | 3/26/2015 17:37 |
| Bromoform | < 5.00 | ug/L | | 3/26/2015 17:37 |
| Bromomethane | < 2.00 | ug/L | | 3/26/2015 17:37 |
| Carbon Tetrachloride | < 2.00 | ug/L | | 3/26/2015 17:37 |
| Chlorobenzene | < 2.00 | ug/L | | 3/26/2015 17:37 |
| Chloroethane | < 2.00 | ug/L | | 3/26/2015 17:37 |
| Chloroform | < 2.00 | ug/L | | 3/26/2015 17:37 |
| Chloromethane | < 2.00 | ug/L | | 3/26/2015 17:37 |

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| Client: | <u>City of Roche</u> | <u>ester</u> | | | | | |
|------------------------------|--------------------------|--------------|-----------------|---------------|-----------------|-------------------|-------|
| Project Reference: | RFA Monthly | Samplir | ng DEQ-98045 | | | | |
| Sample Identifier: | Effluent | | | | | | |
| Lab Sample ID: | 150848-01 | | | Dat | e Sampled: | 3/17/2015 | |
| Matrix: | Wastewater | | | Dat | e Received: | 3/17/2015 | |
| cis-1,3-Dichloroproper | ne | < 2.00 | ug/L | | | 3/26/2015 | 17:37 |
| Dibromochloromethar | ne | < 2.00 | ug/L | | | 3/26/2015 | 17:37 |
| Ethylbenzene | | < 2.00 | ug/L | | | 3/26/2015 | 17:37 |
| Methylene chloride | | < 5.00 | ug/L | | | 3/26/2015 | 17:37 |
| Tetrachloroethene | | < 2.00 | ug/L | | | 3/26/2015 | 17:37 |
| Toluene | | < 2.00 | ug/L | | | 3/26/2015 | 17:37 |
| trans-1,2-Dichloroethe | ene | < 2.00 | ug/L | | | 3/26/2015 | 17:37 |
| trans-1,3-Dichloropro | pene | < 2.00 | ug/L | | | 3/26/2015 | 17:37 |
| Trichloroethene | | 2.91 | ug/L | | | 3/26/2015 | 17:37 |
| Vinyl chloride | | < 2.00 | ug/L | | | 3/26/2015 | 17:37 |
| <u>Surrogate</u> | | P | ercent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| 1,2-Dichloroethane-d4 | ŀ | | 95.7 | 80.4 - 116 | | 3/26/2015 | 17:37 |
| 4-Bromofluorobenzen | e | | 99.9 | 87 - 109 | | 3/26/2015 | 17:37 |
| Pentafluorobenzene | | | 103 | 92.8 - 109 | | 3/26/2015 | 17:37 |
| Toluene-D8 | | | 103 | 92.1 - 107 | | 3/26/2015 | 17:37 |
| Method Referen Data File: | ce(s): EPA 62- x21477 | | | | | | |

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Analytical Report Appendix

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

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"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns. "NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted. "(1)" = Indicates data from primary column used for QC calculation.

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GENERAL TERMS AND CONDITIONS LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

| and interpreted under | the laws of the state which services are procured. |
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| Hazard Disclosure. | Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws. |
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| 10 | | Rush 1 day | Rush 2 day | Rush 3 day | Standard 5 day | Availability con | Turnaround Time | | 10 | 9 | 8 | 7 | 6 | U | 4 | ω | N | 1 3/17/2015 | | | RFA Monthly Sampling DEQ-98045 | PROJECT REFERENCE | | / | | LAKACI G | 2 | | |
|--|----------------------------|------------|----------------------|-----------------|----------------|---|------------------------|---|----|---|---|---|---|---|---|---|---|-----------------------------------|---|-----------|--|---------------------------|-----------------|---------------------------|--------------------------------------|----------------------------------|-------------|-----------------|---|
| | Ре О | | | | | tingent up | ne | | | | | | | | | | | 25/1 | TIME COLLECTED | | pling DE | EFEREN | | | | |) | | |
| | Other please indicate: | | Category B | Category A | Batch QC | on lab ap | | r | | | | | | | | | | × | 00≌r00−⊢⊓ 00≅r00 | | :Q-9804 | Ē | | | | n () () | | | |
| | Other EDD please indicate: | | | | Basic EDD | Availability contingent upon lab approval; additional fees may apply. | Report Supplements | | | | | | | | | | | (Effluent | S A A A SAMPLE IDENTIFIER | | 15 Matrix Codes: AQ - Aqueous Liquid NQ - Non-Aqueous Liquid | ATTN: Dennis Peck | PHONE: 428-6884 | CITY: Rochester STATE: NY | ADDRESS: 30 Church Street, Room 300B | CLIENT: City of Rochester | REPORT TO: | | 179 Lake Av |
| 17. 3/1 | Réceived @ l/ab By | M M M | Badeived By | Relinquished By | Sampled By | 11011 | \sum | | | | | | | | | | | Water | ×-コー>ミ の m つ O O | | WA - Water WG - Groundwater | ATTN: | Hd | ZIP 14614 CITY: | | СЦ | | CHAIN C | enue, Rochester, NY 1⁄ |
| 3/17/15 14:42 | Y. | È | 2 Daloca | the factor | MAN . | 13/25/ | 1.1 |) | | | | | | | | | | - | no ⊅m∞zcz ∞ ⊅mz->⊣zo∩ 624 Site Specific pH | REQUESTED | DW - Drinking Water WW - Wastewater | Ä | PHONE: | | ADDRESS: | CLIENT: | | CHAIN OF CUSTOD | 179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311 |
| (0 | Date/Time | 3/17/15 | 3/17/1 | Date/ | Date/Ime | 6/1/1/2 | -1-10 | | | | | | | | | | | | | | Water SO - Soil ater SL - Sludge | | | STATE: ZIP: | | | INVOICE TO: | DY | 2530 Fax (585) 647-3 |
| See additional page for sample conditions. | | 145-9 | S / Y or / P.I.F. | | | Table Doot | | | | | | | | | | | | 624 Site Specific =VRFA Test Name | REMARKS | | SD - Solid WP - Wipe PT - Paint CK - Caulk | peckd@cityofrochester.gov | Email: | Quotation #: | ShS0 51 | LAB PROJECT ID | | | 311 |
| nditions. | | | | | | | | | | | | | | | | | | 0) | PARADIGM LAB SAMPLE NUMBER | | OL - Oil AR - Air | | | | | | | | 121 |
| | | | | | | | | | | | | | | | | | | | | | | | | Pag | e 6 (| of 7 | | | P |

PARADIGM

Chain of Custody Supplement

| Client: | City of Rochester | Completed by: | melhail |
|---|---|---------------------------------------|-------------------|
| Lab Project ID: | 150848 | Date: | 3/17/15 |
| | Sample Condition A Per NELAC/ELAP 210/2 | Requirements 41/242/243/244 | |
| Condition | NELAC compliance with the sample con Yes | dition requirements up No | on receipt N/A |
| Container Type | | | |
| Comments | . · | | |
| Transferred to method- compliant container | | | |
| Headspace (<1 mL) Comments | | | |
| | | | pri |
| Preservation Comments | | | |
| Chlorine Absent (<0.10 ppm per test strip) Comments | VOA: CI-hy | | |
| Holding Time | | <u>PN</u> | |
| Comments | | | |
| Temperature Comments | 17°C 3/17/19 | - 1442 | |
| | | [] | |
| Sufficient Sample Quantity Comments | | | |
| | | | |



Analytical Report For

City of Rochester

For Lab Project ID

151462

Referencing

RFA Monthly Sampling DEQ-98045 Prepared Friday, May 01, 2015

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

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| Client: | <u>City of Rochester</u> | |
|--------------------|--------------------------------|---------------------------------|
| Project Reference: | RFA Monthly Sampling DEQ-98045 | |
| Sample Identifier: | Effluent | |
| Lab Sample ID: | 151462-01 | Date Sampled: 4/22/2015 |
| Matrix: | Water | Date Received: 4/22/2015 |

<u>рН</u>

| <u>Analyte</u> | | Result | <u>Units</u> | Qu | <u>alifier</u> | Date Analy | <u>zed</u> |
|----------------|----------------------|-------------------------|--------------|----|----------------|-------------------|------------|
| pН | | 8.22 @ 16.7 C | S.U. | | | 4/22/2015 | 16:52 |
| | Method Reference(s): | SM 4500 H+ B / EPA 9040 | | | | | |

ELAP does not offer this test for approval as part of their laboratory certification program.

Volatile Organics

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier | Date Anal | yzed |
|---------------------------|---------------|--------------|------------------|-----------|-------|
| 1,1,1-Trichloroethane | 86.9 | ug/L | | 4/30/2015 | 20:58 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 4/30/2015 | 20:58 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 4/30/2015 | 20:58 |
| 1,1-Dichloroethane | 25.3 | ug/L | | 4/30/2015 | 20:58 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 4/30/2015 | 20:58 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 4/30/2015 | 20:58 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 4/30/2015 | 20:58 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 4/30/2015 | 20:58 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 4/30/2015 | 20:58 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 4/30/2015 | 20:58 |
| 2-Butanone | 43.8 | ug/L | | 4/30/2015 | 20:58 |
| 2-Chloroethyl vinyl Ether | < 10.0 | ug/L | | 4/30/2015 | 20:58 |
| 4-Methyl-2-pentanone | 9.28 | ug/L | | 4/30/2015 | 20:58 |
| Acetone | 45.0 | ug/L | | 4/30/2015 | 20:58 |
| Benzene | < 0.700 | ug/L | | 4/30/2015 | 20:58 |
| Bromodichloromethane | < 2.00 | ug/L | | 4/30/2015 | 20:58 |
| Bromoform | < 5.00 | ug/L | | 4/30/2015 | 20:58 |
| Bromomethane | < 2.00 | ug/L | | 4/30/2015 | 20:58 |
| Carbon Tetrachloride | < 2.00 | ug/L | | 4/30/2015 | 20:58 |
| Chlorobenzene | < 2.00 | ug/L | | 4/30/2015 | 20:58 |
| Chloroethane | 2.24 | ug/L | | 4/30/2015 | 20:58 |
| Chloroform | < 2.00 | ug/L | | 4/30/2015 | 20:58 |
| Chloromethane | < 2.00 | ug/L | | 4/30/2015 | 20:58 |
| | | | | | |

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Report Prepared Friday, May 01, 2015



Lab Project ID: 151462

| Client: | <u>City of Roch</u> | <u>ester</u> | | | | | |
|------------------------------|-------------------------|--------------|-----------------|---------------|-----------------|-------------------|------------|
| Project Reference: | RFA Monthly | Samplin | g DEQ-98045 | | | | |
| Sample Identifier: | Effluent | | | | | | |
| Lab Sample ID: | 151462-01 | | | Dat | e Sampled: | 4/22/2015 | |
| Matrix: | Water | | | Dat | e Received: | 4/22/2015 | |
| cis-1,3-Dichloroprope | ne | < 2.00 | ug/L | | | 4/30/2015 | 20:58 |
| Dibromochlorometha | ne | < 2.00 | ug/L | | | 4/30/2015 | 20:58 |
| Ethylbenzene | | < 2.00 | ug/L | | | 4/30/2015 | 20:58 |
| Methylene chloride | | < 5.00 | ug/L | | | 4/30/2015 | 20:58 |
| Tetrachloroethene | | < 2.00 | ug/L | | | 4/30/2015 | 20:58 |
| Toluene | | 3.58 | ug/L | | | 4/30/2015 | 20:58 |
| trans-1,2-Dichloroethe | ene | < 2.00 | ug/L | | | 4/30/2015 | 20:58 |
| trans-1,3-Dichloropro | pene | < 2.00 | ug/L | | | 4/30/2015 | 20:58 |
| Trichloroethene | | 4.81 | ug/L | | | 4/30/2015 | 20:58 |
| Vinyl chloride | | 6.75 | ug/L | | | 4/30/2015 | 20:58 |
| <u>Surrogate</u> | | <u>P</u> | ercent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | <u>zed</u> |
| 1,2-Dichloroethane-d4 | ŀ | | 104 | 80.4 - 116 | | 4/30/2015 | 20:58 |
| 4-Bromofluorobenzen | e | | 96.8 | 87 - 109 | | 4/30/2015 | 20:58 |
| Pentafluorobenzene | | | 103 | 92.8 - 109 | | 4/30/2015 | 20:58 |
| Toluene-D8 | | | 100 | 92.1 - 107 | | 4/30/2015 | 20:58 |
| Method Referen Data File: | ce(s): EPA 62 x22373 | | | | | | |

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| please indicate: 10 10 | Rush 1 day | Rush 2 day Category B | Rush 3 day Category A | Standard 5 day | Availability contingent upon lab approval; additional fees may apply. | Turnaround Time | 10 | 9 | 0 | 7 | 0 | σ | 4 | 3 | 1 4/22/2015 /LACC X | DATE COLLECTED COLLECTED PM G | | RFA Monthly Sampling DEQ-98045 | PROJECT REFERENCE | | | | PARADID | | | |
|--|------------|-----------------------|-----------------------|-----------------|---|--------------------|----|---|---|---|---|---|---|---|-----------------------------------|---|--------------------|---|---------------------------|-----------------|---------------------------|--------------------------------------|---------------------------|-------------|------------------|--------------------------------------|
| please indicate: | Other EDD | | | Basic EDD | oval; additional fees may apply. | Report Supplements | | | | | | | | | Effluent | SAMPLE IDENTIFIER | | Matrix Codes: AQ - Aqueous Liquid NQ - Non-Aqueous Liquid | ATTN: Dennis Peck | PHONE: 428-6884 | CITY: Rochester STATE: NY | ADDRESS: 30 Church Street, Room 300B | CLIENT: City of Rochester | REPORT TO: | | 179 Lake Avenu |
| 12°C 4/22/151644 | ab By | Respired By Date | | Sampled By | Why Teck, 4 | | | | | | | | | | Water ³ X X | ×−ສ⊣⊳≊ ທπວວດ າວ ສm∞≘cz ທສπz->⊣zoດ 624 Site Specific pH | REQUESTED ANALYSIS | WA - Water WG - Groundwater WW - Wastewater | ATTN: | PHONE: | ZIP 14614 CITY: STATE: | ADDRESS: | | INVOICE TO: | CHAIN OF CUSTODY | 179 Lake Avenue, Rochester, NY 14608 |
| See additional page for sample conditions. | Date/Time | 021/15 50 P.I.F. | īme | Level interview | | | | | | | | | | | 624 Site Specific =VRFA Test Name | REMARKS | | SC - Soil SD - Solid WP - Wipe SL - Sludge PT - Paint CK - Caulk | peckd@cityofrochester.gov | Email: | ZIP: Quotation #: | | LABPR | | | (585) 647-3311 |
| nditions. | L | | | | | | | | | | | | | | 01 | PARADIGM LAB SAMPLE NUMBER | | OL - Oil AR - Air | | | | | | | | /st |

ち



Chain of Custody Supplement

| Client: | City of Rochester | Completed by: | Glenn Pezzalo |
|---|--|---------------------------------|------------------|
| Lab Project ID: | 151462 | Date: | 4/22/15 |
| • | Sample Condition Per NELAC/ELAP 210 | | |
| Condition | NELAC compliance with the sample co Yes | ondition requirements upo No | n receipt N/A |
| Container Type | $\square \square$ | | |
| Commen | ts | | |
| Transferred to method- compliant container |] | | |
| Headspace (<1 mL) Commen | uts Vo A | [] | |
| Preservation Commen | vo _A | | |
| Chlorine Absent (<0.10 ppm per test strip) Commen | | | |
| Holding Time | | □× p+1 | |
| Temperature Commer | nts /5 ° C | | |
| Sufficient Sample Quantit | | | |
| | : | | |

20F 2



Analytical Report For

City of Rochester

For Lab Project ID

152077

Referencing

RFA Semi-Annual GW Sampling DEQ-98045

Prepared

Wednesday, June 10, 2015

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt. Page 1 of 25

Report Prepared Wednesday, June 10, 2015



| Client: | <u>City of Rochester</u> | | |
|--------------------|---------------------------------------|----------------|-----------|
| Project Reference: | RFA Semi-Annual GW Sampling DEQ-98045 | | |
| Sample Identifier: | MW-6I | | |
| Lab Sample ID: | 152077-01 | Date Sampled: | 5/27/2015 |
| Matrix: | Water | Date Received: | 5/27/2015 |

Volatile Organics

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier Date Analyz | <u>zed</u> |
|---------------------------|---------------|--------------|-----------------------|------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| 1,1-Dichloroethane | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| 1,1-Dichloroethene | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| 1,2-Dichloroethane | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| 1,2-Dichloropropane | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| 2-Chloroethyl vinyl Ether | < 10.0 | ug/L | 5/29/2015 | 16:15 |
| Benzene | < 0.700 | ug/L | 5/29/2015 | 16:15 |
| Bromodichloromethane | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| Bromoform | < 5.00 | ug/L | 5/29/2015 | 16:15 |
| Bromomethane | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| Carbon Tetrachloride | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| Chlorobenzene | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| Chloroethane | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| Chloroform | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| Chloromethane | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| Dibromochloromethane | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| Ethylbenzene | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| Methylene chloride | < 5.00 | ug/L | 5/29/2015 | 16:15 |
| Tetrachloroethene | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| Toluene | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 5/29/2015 | 16:15 |
| | | | | |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt. Page 2 of 25



| Client: | <u>City of Roche</u> | <u>ester</u> | | | | | |
|------------------------------|--------------------------|---------------------------------------|-----------------|---------------|-----------------|-------------------|------------|
| Project Reference: | RFA Semi-An | RFA Semi-Annual GW Sampling DEQ-98045 | | | | | |
| Sample Identifier: | MW-6I | | | | | | |
| Lab Sample ID: | 152077-01 | | | Dat | e Sampled: | 5/27/2015 | |
| Matrix: | Water | | | Dat | e Received: | 5/27/2015 | |
| Trichloroethene | | < 2.00 | ug/L | | | 5/29/2015 | 16:15 |
| Trichlorofluoromethar | ie | < 2.00 | ug/L | | | 5/29/2015 | 16:15 |
| Vinyl chloride | | 4.50 | ug/L | | | 5/29/2015 | 16:15 |
| <u>Surrogate</u> | | <u>P</u> | ercent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | <u>zed</u> |
| 1,2-Dichloroethane-d4 | | | 107 | 82.3 - 115 | | 5/29/2015 | 16:15 |
| 4-Bromofluorobenzen | e | | 91.3 | 85.5 - 111 | | 5/29/2015 | 16:15 |
| Pentafluorobenzene | | | 99.1 | 91.2 - 107 | | 5/29/2015 | 16:15 |
| Toluene-D8 | | | 94.5 | 90.9 - 108 | | 5/29/2015 | 16:15 |
| Method Referen Data File: | ce(s): EPA 624 x23177 | - | | | | | |

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| Client: | <u>City of Rochester</u> | | |
|--------------------|---------------------------------------|----------------|-----------|
| Project Reference: | RFA Semi-Annual GW Sampling DEQ-98045 | | |
| Sample Identifier: | MW-7I | | |
| Lab Sample ID: | 152077-02 | Date Sampled: | 5/27/2015 |
| Matrix: | Water | Date Received: | 5/27/2015 |

Volatile Organics

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier | Date Analy | vzed |
|---------------------------|---------------|--------------|------------------|------------|-------|
| 1,1,1-Trichloroethane | 528 | ug/L | | 5/29/2015 | 16:39 |
| 1,1,2,2-Tetrachloroethane | < 10.0 | ug/L | | 5/29/2015 | 16:39 |
| 1,1,2-Trichloroethane | < 10.0 | ug/L | | 5/29/2015 | 16:39 |
| 1,1-Dichloroethane | 684 | ug/L | | 5/29/2015 | 16:39 |
| 1,1-Dichloroethene | 39.5 | ug/L | | 5/29/2015 | 16:39 |
| 1,2-Dichlorobenzene | < 10.0 | ug/L | | 5/29/2015 | 16:39 |
| 1,2-Dichloroethane | < 10.0 | ug/L | | 5/29/2015 | 16:39 |
| 1,2-Dichloropropane | < 10.0 | ug/L | | 5/29/2015 | 16:39 |
| 1,3-Dichlorobenzene | < 10.0 | ug/L | | 5/29/2015 | 16:39 |
| 1,4-Dichlorobenzene | < 10.0 | ug/L | | 5/29/2015 | 16:39 |
| 2-Chloroethyl vinyl Ether | < 50.0 | ug/L | | 5/29/2015 | 16:39 |
| Benzene | < 3.50 | ug/L | | 5/29/2015 | 16:39 |
| Bromodichloromethane | < 10.0 | ug/L | | 5/29/2015 | 16:39 |
| Bromoform | < 25.0 | ug/L | | 5/29/2015 | 16:39 |
| Bromomethane | < 10.0 | ug/L | | 5/29/2015 | 16:39 |
| Carbon Tetrachloride | < 10.0 | ug/L | | 5/29/2015 | 16:39 |
| Chlorobenzene | < 10.0 | ug/L | | 5/29/2015 | 16:39 |
| Chloroethane | < 10.0 | ug/L | | 5/29/2015 | 16:39 |
| Chloroform | < 10.0 | ug/L | | 5/29/2015 | 16:39 |
| Chloromethane | < 10.0 | ug/L | | 5/29/2015 | 16:39 |
| cis-1,3-Dichloropropene | < 10.0 | ug/L | | 5/29/2015 | 16:39 |
| Dibromochloromethane | < 10.0 | ug/L | | 5/29/2015 | 16:39 |
| Ethylbenzene | < 10.0 | ug/L | | 5/29/2015 | 16:39 |
| Methyl tert-butyl Ether | < 10.0 | ug/L | | 5/29/2015 | 16:39 |
| Methylene chloride | < 25.0 | ug/L | | 5/29/2015 | 16:39 |
| Tetrachloroethene | < 10.0 | ug/L | | 5/29/2015 | 16:39 |
| Toluene | 10.6 | ug/L | | 5/29/2015 | 16:39 |
| trans-1,2-Dichloroethene | < 10.0 | ug/L | | 5/29/2015 | 16:39 |
| trans-1,3-Dichloropropene | < 10.0 | ug/L | | 5/29/2015 | 16:39 |
| | | | | | |

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| Client: | <u>City of Roche</u> | ester | | | | | |
|------------------------------|---------------------------|---------------------------------------|-----------------|---------------|-----------------|-------------------|------------|
| Project Reference: | RFA Semi-Ani | RFA Semi-Annual GW Sampling DEQ-98045 | | | | | |
| Sample Identifier: | MW-7I | | | | | | |
| Lab Sample ID: | 152077-02 | | | Dat | e Sampled: | 5/27/2015 | |
| Matrix: | Water | | | Dat | e Received: | 5/27/2015 | |
| Trichloroethene | | < 10.0 | ug/L | | | 5/29/2015 | 16:39 |
| Trichlorofluorometha | ne | < 10.0 | ug/L | | | 5/29/2015 | 16:39 |
| Vinyl chloride | | 182 | ug/L | | | 5/29/2015 | 16:39 |
| <u>Surrogate</u> | | <u>P</u> | ercent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | <u>zed</u> |
| 1,2-Dichloroethane-d4 | Ļ | | 109 | 82.3 - 115 | | 5/29/2015 | 16:39 |
| 4-Bromofluorobenzen | e | | 91.3 | 85.5 - 111 | | 5/29/2015 | 16:39 |
| Pentafluorobenzene | | | 99.6 | 91.2 - 107 | | 5/29/2015 | 16:39 |
| Toluene-D8 | | | 94.5 | 90.9 - 108 | | 5/29/2015 | 16:39 |
| Method Referen Data File: | ce(s): EPA 624 x23178. | - | | | | | |

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| Client: | <u>City of Rochester</u> | | |
|--------------------|---------------------------------------|----------------|-----------|
| Project Reference: | RFA Semi-Annual GW Sampling DEQ-98045 | | |
| Sample Identifier: | MW-7D | | |
| Lab Sample ID: | 152077-03 | Date Sampled: | 5/27/2015 |
| Matrix: | Water | Date Received: | 5/27/2015 |

Volatile Organics

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
|---------------------------|---------------|--------------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 5/29/2015 17:02 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 5/29/2015 17:02 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 5/29/2015 17:02 |
| 1,1-Dichloroethane | < 2.00 | ug/L | | 5/29/2015 17:02 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 5/29/2015 17:02 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 5/29/2015 17:02 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 5/29/2015 17:02 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 5/29/2015 17:02 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 5/29/2015 17:02 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 5/29/2015 17:02 |
| 2-Chloroethyl vinyl Ether | < 10.0 | ug/L | | 5/29/2015 17:02 |
| Benzene | < 0.700 | ug/L | | 5/29/2015 17:02 |
| Bromodichloromethane | < 2.00 | ug/L | | 5/29/2015 17:02 |
| Bromoform | < 5.00 | ug/L | | 5/29/2015 17:02 |
| Bromomethane | < 2.00 | ug/L | | 5/29/2015 17:02 |
| Carbon Tetrachloride | < 2.00 | ug/L | | 5/29/2015 17:02 |
| Chlorobenzene | < 2.00 | ug/L | | 5/29/2015 17:02 |
| Chloroethane | < 2.00 | ug/L | | 5/29/2015 17:02 |
| Chloroform | < 2.00 | ug/L | | 5/29/2015 17:02 |
| Chloromethane | < 2.00 | ug/L | | 5/29/2015 17:02 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | | 5/29/2015 17:02 |
| Dibromochloromethane | < 2.00 | ug/L | | 5/29/2015 17:02 |
| Ethylbenzene | < 2.00 | ug/L | | 5/29/2015 17:02 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | | 5/29/2015 17:02 |
| Methylene chloride | < 5.00 | ug/L | | 5/29/2015 17:02 |
| Tetrachloroethene | < 2.00 | ug/L | | 5/29/2015 17:02 |
| Toluene | < 2.00 | ug/L | | 5/29/2015 17:02 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | | 5/29/2015 17:02 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | | 5/29/2015 17:02 |
| | | | | |

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| Client: | <u>City of Rocl</u> | <u>iester</u> | | | | | |
|------------------------------|----------------------|---------------|----------------|---------------|-----------------|-------------------|------------|
| Project Reference: | RFA Semi-A | nnual GW | Sampling DEQ- | 98045 | | | |
| Sample Identifier: | MW-7D | | | | | | |
| Lab Sample ID: | 152077-03 | } | | Dat | e Sampled: | 5/27/2015 | |
| Matrix: | Water | | | Dat | e Received: | 5/27/2015 | |
| Trichloroethene | | < 2.00 | ug/L | | | 5/29/2015 | 17:02 |
| Trichlorofluoromethar | ne | < 2.00 | ug/L | | | 5/29/2015 | 17:02 |
| Vinyl chloride | | < 2.00 | ug/L | | | 5/29/2015 | 17:02 |
| <u>Surrogate</u> | | <u>Pe</u> | rcent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | <u>zed</u> |
| 1,2-Dichloroethane-d4 | : | | 108 | 82.3 - 115 | | 5/29/2015 | 17:02 |
| 4-Bromofluorobenzen | е | | 88.9 | 85.5 - 111 | | 5/29/2015 | 17:02 |
| Pentafluorobenzene | | | 102 | 91.2 - 107 | | 5/29/2015 | 17:02 |
| Toluene-D8 | | | 95.5 | 90.9 - 108 | | 5/29/2015 | 17:02 |
| Method Referen Data File: | ce(s): EPA 6 x231 | | | | | | |



| Client: | <u>City of Rochester</u> | | |
|--------------------|---------------------------------------|----------------|-----------|
| Project Reference: | RFA Semi-Annual GW Sampling DEQ-98045 | | |
| Sample Identifier: | MW-7S | | |
| Lab Sample ID: | 152077-04 | Date Sampled: | 5/27/2015 |
| Matrix: | Water | Date Received: | 5/27/2015 |

Volatile Organics

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | Qualifier Date Analyze | <u>ed</u> |
|---------------------------|---------------|--------------|------------------------|-----------|
| 1,1,1-Trichloroethane | 139 | ug/L | 5/29/2015 17 | 7:26 |
| 1,1,2,2-Tetrachloroethane | < 5.00 | ug/L | 5/29/2015 17 | 7:26 |
| 1,1,2-Trichloroethane | < 5.00 | ug/L | 5/29/2015 17 | 7:26 |
| 1,1-Dichloroethane | 129 | ug/L | 5/29/2015 17 | 7:26 |
| 1,1-Dichloroethene | < 5.00 | ug/L | 5/29/2015 17 | 7:26 |
| 1,2-Dichlorobenzene | < 5.00 | ug/L | 5/29/2015 17 | 7:26 |
| 1,2-Dichloroethane | < 5.00 | ug/L | 5/29/2015 17 | 7:26 |
| 1,2-Dichloropropane | < 5.00 | ug/L | 5/29/2015 17 | 7:26 |
| 1,3-Dichlorobenzene | < 5.00 | ug/L | 5/29/2015 17 | 7:26 |
| 1,4-Dichlorobenzene | < 5.00 | ug/L | 5/29/2015 17 | 7:26 |
| 2-Chloroethyl vinyl Ether | < 25.0 | ug/L | 5/29/2015 17 | 7:26 |
| Benzene | < 1.75 | ug/L | 5/29/2015 17 | 7:26 |
| Bromodichloromethane | < 5.00 | ug/L | 5/29/2015 17 | 7:26 |
| Bromoform | < 12.5 | ug/L | 5/29/2015 17 | 7:26 |
| Bromomethane | < 5.00 | ug/L | 5/29/2015 17 | 7:26 |
| Carbon Tetrachloride | < 5.00 | ug/L | 5/29/2015 17 | 7:26 |
| Chlorobenzene | < 5.00 | ug/L | 5/29/2015 17 | 7:26 |
| Chloroethane | 19.9 | ug/L | 5/29/2015 17 | 7:26 |
| Chloroform | < 5.00 | ug/L | 5/29/2015 17 | 7:26 |
| Chloromethane | < 5.00 | ug/L | 5/29/2015 17 | 7:26 |
| cis-1,3-Dichloropropene | < 5.00 | ug/L | 5/29/2015 17 | 7:26 |
| Dibromochloromethane | < 5.00 | ug/L | 5/29/2015 17 | 7:26 |
| Ethylbenzene | < 5.00 | ug/L | 5/29/2015 17 | 7:26 |
| Methyl tert-butyl Ether | < 5.00 | ug/L | 5/29/2015 17 | 7:26 |
| Methylene chloride | < 12.5 | ug/L | 5/29/2015 17 | 7:26 |
| Tetrachloroethene | < 5.00 | ug/L | 5/29/2015 17 | 7:26 |
| Toluene | < 5.00 | ug/L | 5/29/2015 17 | 7:26 |
| trans-1,2-Dichloroethene | < 5.00 | ug/L | 5/29/2015 17 | 7:26 |
| trans-1,3-Dichloropropene | < 5.00 | ug/L | 5/29/2015 17 | 7:26 |
| | | | | |

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| Client: | <u>City of R</u> | <u>ochester</u> | | | | | |
|------------------------------|------------------|-------------------|-----------------|---------------|-----------------|-------------------|-------|
| Project Reference: | RFA Sem | i-Annual GW | V Sampling DEQ | -98045 | | | |
| Sample Identifier: | MW-7S | | | | | | |
| Lab Sample ID: | 152077 | -04 | | Dat | e Sampled: | 5/27/2015 | |
| Matrix: | Water | | | Dat | e Received: | 5/27/2015 | |
| Trichloroethene | | < 5.00 | ug/L | | | 5/29/2015 | 17:26 |
| Trichlorofluorometha | ne | < 5.00 | ug/L | | | 5/29/2015 | 17:26 |
| Vinyl chloride | | < 5.00 | ug/L | | | 5/29/2015 | 17:26 |
| <u>Surrogate</u> | | P | ercent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| 1,2-Dichloroethane-d4 | • | | 110 | 82.3 - 115 | | 5/29/2015 | 17:26 |
| 4-Bromofluorobenzen | e | | 91.5 | 85.5 - 111 | | 5/29/2015 | 17:26 |
| Pentafluorobenzene | | | 101 | 91.2 - 107 | | 5/29/2015 | 17:26 |
| Toluene-D8 | | | 98.6 | 90.9 - 108 | | 5/29/2015 | 17:26 |
| Method Referen Data File: | • • | PA 624 23180.D | | | | | |



| Client: | <u>City of Rochester</u> | | |
|--------------------|---------------------------------------|----------------|-----------|
| Project Reference: | RFA Semi-Annual GW Sampling DEQ-98045 | | |
| Sample Identifier: | MW-8I | | |
| Lab Sample ID: | 152077-05 | Date Sampled: | 5/27/2015 |
| Matrix: | Water | Date Received: | 5/27/2015 |

Volatile Organics

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier Date Analyzed | |
|---------------------------|---------------|--------------|-------------------------|---|
| 1,1,1-Trichloroethane | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| 1,1,2,2-Tetrachloroethane | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| 1,1,2-Trichloroethane | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| 1,1-Dichloroethane | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| 1,1-Dichloroethene | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| 1,2-Dichlorobenzene | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| 1,2-Dichloroethane | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| 1,2-Dichloropropane | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| 1,3-Dichlorobenzene | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| 1,4-Dichlorobenzene | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| 2-Chloroethyl vinyl Ether | < 25.0 | ug/L | 5/29/2015 17:49 |) |
| Benzene | < 1.75 | ug/L | 5/29/2015 17:49 |) |
| Bromodichloromethane | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| Bromoform | < 12.5 | ug/L | 5/29/2015 17:49 |) |
| Bromomethane | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| Carbon Tetrachloride | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| Chlorobenzene | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| Chloroethane | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| Chloroform | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| Chloromethane | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| cis-1,3-Dichloropropene | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| Dibromochloromethane | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| Ethylbenzene | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| Methyl tert-butyl Ether | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| Methylene chloride | < 12.5 | ug/L | 5/29/2015 17:49 |) |
| Tetrachloroethene | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| Toluene | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| trans-1,2-Dichloroethene | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| trans-1,3-Dichloropropene | < 5.00 | ug/L | 5/29/2015 17:49 |) |
| | | | | |

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| Client: | <u>City of Roche</u> | <u>ester</u> | | | | | | | |
|------------------------------|---------------------------|---------------------------------------|-----------------|---------------|-----------------|-------------------|------------|--|--|
| Project Reference: | RFA Semi-Ani | RFA Semi-Annual GW Sampling DEQ-98045 | | | | | | | |
| Sample Identifier: | MW-8I | | | | | | | | |
| Lab Sample ID: | 152077-05 | | | Dat | e Sampled: | 5/27/2015 | | | |
| Matrix: | Water | | | Dat | e Received: | 5/27/2015 | | | |
| Trichloroethene | | < 5.00 | ug/L | | | 5/29/2015 | 17:49 | | |
| Trichlorofluoromethar | ıe | < 5.00 | ug/L | | | 5/29/2015 | 17:49 | | |
| Vinyl chloride | | 165 | ug/L | | | 5/29/2015 | 17:49 | | |
| <u>Surrogate</u> | | <u>P</u> | ercent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | <u>zed</u> | | |
| 1,2-Dichloroethane-d4 | : | | 106 | 82.3 - 115 | | 5/29/2015 | 17:49 | | |
| 4-Bromofluorobenzen | e | | 88.5 | 85.5 - 111 | | 5/29/2015 | 17:49 | | |
| Pentafluorobenzene | | | 103 | 91.2 - 107 | | 5/29/2015 | 17:49 | | |
| Toluene-D8 | | | 95.8 | 90.9 - 108 | | 5/29/2015 | 17:49 | | |
| Method Referen Data File: | ce(s): EPA 624 x23181. | - | | | | | | | |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt. Page 11 of 25



| Client: | <u>City of Rochester</u> | | |
|--------------------|---------------------------------------|----------------|-----------|
| Project Reference: | RFA Semi-Annual GW Sampling DEQ-98045 | | |
| Sample Identifier: | MW-9D | | |
| Lab Sample ID: | 152077-06 | Date Sampled: | 5/27/2015 |
| Matrix: | Water | Date Received: | 5/27/2015 |

Volatile Organics

| <u>Analyte</u> | Result | <u>Units</u> | Qualifier | Date Analyzed |
|---------------------------|---------|--------------|-----------|----------------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 5/29/2015 18:12 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 5/29/2015 18:12 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 5/29/2015 18:12 |
| 1,1-Dichloroethane | < 2.00 | ug/L | | 5/29/2015 18:12 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 5/29/2015 18:12 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 5/29/2015 18:12 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 5/29/2015 18:12 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 5/29/2015 18:12 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 5/29/2015 18:12 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 5/29/2015 18:12 |
| 2-Chloroethyl vinyl Ether | < 10.0 | ug/L | | 5/29/2015 18:12 |
| Benzene | < 0.700 | ug/L | | 5/29/2015 18:12 |
| Bromodichloromethane | < 2.00 | ug/L | | 5/29/2015 18:12 |
| Bromoform | < 5.00 | ug/L | | 5/29/2015 18:12 |
| Bromomethane | < 2.00 | ug/L | | 5/29/2015 18:12 |
| Carbon Tetrachloride | < 2.00 | ug/L | | 5/29/2015 18:12 |
| Chlorobenzene | < 2.00 | ug/L | | 5/29/2015 18:12 |
| Chloroethane | < 2.00 | ug/L | | 5/29/2015 18:12 |
| Chloroform | < 2.00 | ug/L | | 5/29/2015 18:12 |
| Chloromethane | < 2.00 | ug/L | | 5/29/2015 18:12 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | | 5/29/2015 18:12 |
| Dibromochloromethane | < 2.00 | ug/L | | 5/29/2015 18:12 |
| Ethylbenzene | < 2.00 | ug/L | | 5/29/2015 18:12 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | | 5/29/2015 18:12 |
| Methylene chloride | < 5.00 | ug/L | | 5/29/2015 18:12 |
| Tetrachloroethene | < 2.00 | ug/L | | 5/29/2015 18:12 |
| Toluene | < 2.00 | ug/L | | 5/29/2015 18:12 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | | 5/29/2015 18:12 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | | 5/29/2015 18:12 |

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| Client: | <u>City of Ro</u> | ochester | r | | | | | |
|------------------------------|-------------------|--------------------------------------|------|----------------------|---------------|-----------------|-------------------|------------|
| Project Reference: | RFA Semi | FA Semi-Annual GW Sampling DEQ-98045 | | | | | | |
| Sample Identifier: | MW-9D | | | | | | | |
| Lab Sample ID: | 152077- | 06 | | | Date | e Sampled: | 5/27/2015 | |
| Matrix: | Water | | | | Date | e Received: | 5/27/2015 | |
| Trichloroethene | | < 2 | 2.00 | ug/L | | | 5/29/2015 | 18:12 |
| Trichlorofluoromethar | ne | < 2 | 2.00 | ug/L | | | 5/29/2015 | 18:12 |
| Vinyl chloride | | < 2 | 2.00 | ug/L | | | 5/29/2015 | 18:12 |
| <u>Surrogate</u> | | | Pero | <u>cent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | Date Analy | <u>zed</u> |
| 1,2-Dichloroethane-d4 | • | | | 112 | 82.3 - 115 | | 5/29/2015 | 18:12 |
| 4-Bromofluorobenzen | е | | | 88.3 | 85.5 - 111 | | 5/29/2015 | 18:12 |
| Pentafluorobenzene | | | | 99.5 | 91.2 - 107 | | 5/29/2015 | 18:12 |
| Toluene-D8 | | | | 95.2 | 90.9 - 108 | | 5/29/2015 | 18:12 |
| Method Referen Data File: | | PA 624 3182.D | | | | | | |



| Client: | <u>City of Rochester</u> | | |
|--------------------|---------------------------------------|----------------|-----------|
| Project Reference: | RFA Semi-Annual GW Sampling DEQ-98045 | | |
| Sample Identifier: | MW-10I | | |
| Lab Sample ID: | 152077-07 | Date Sampled: | 5/27/2015 |
| Matrix: | Water | Date Received: | 5/27/2015 |

Volatile Organics

| Analyte | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | Date Analy | vzed |
|---------------------------|---------------|--------------|------------------|------------|-------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 5/29/2015 | 18:36 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 5/29/2015 | 18:36 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 5/29/2015 | 18:36 |
| 1,1-Dichloroethane | < 2.00 | ug/L | | 5/29/2015 | 18:36 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 5/29/2015 | 18:36 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 5/29/2015 | 18:36 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 5/29/2015 | 18:36 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 5/29/2015 | 18:36 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 5/29/2015 | 18:36 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 5/29/2015 | 18:36 |
| 2-Chloroethyl vinyl Ether | < 10.0 | ug/L | | 5/29/2015 | 18:36 |
| Benzene | < 0.700 | ug/L | | 5/29/2015 | 18:36 |
| Bromodichloromethane | < 2.00 | ug/L | | 5/29/2015 | 18:36 |
| Bromoform | < 5.00 | ug/L | | 5/29/2015 | 18:36 |
| Bromomethane | < 2.00 | ug/L | | 5/29/2015 | 18:36 |
| Carbon Tetrachloride | < 2.00 | ug/L | | 5/29/2015 | 18:36 |
| Chlorobenzene | < 2.00 | ug/L | | 5/29/2015 | 18:36 |
| Chloroethane | < 2.00 | ug/L | | 5/29/2015 | 18:36 |
| Chloroform | < 2.00 | ug/L | | 5/29/2015 | 18:36 |
| Chloromethane | < 2.00 | ug/L | | 5/29/2015 | 18:36 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | | 5/29/2015 | 18:36 |
| Dibromochloromethane | < 2.00 | ug/L | | 5/29/2015 | 18:36 |
| Ethylbenzene | < 2.00 | ug/L | | 5/29/2015 | 18:36 |
| Methyl tert-butyl Ether | 4.04 | ug/L | | 5/29/2015 | 18:36 |
| Methylene chloride | < 5.00 | ug/L | | 5/29/2015 | 18:36 |
| Tetrachloroethene | < 2.00 | ug/L | | 5/29/2015 | 18:36 |
| Toluene | < 2.00 | ug/L | | 5/29/2015 | 18:36 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | | 5/29/2015 | 18:36 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | | 5/29/2015 | 18:36 |
| | | | | | |

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| Client: | <u>City of Roch</u> | ester | | | | | | | |
|--------------------------------|------------------------|---------------------------------------|-----------------|---------------|-----------------|-------------------|------------|--|--|
| Project Reference: | RFA Semi-Ar | RFA Semi-Annual GW Sampling DEQ-98045 | | | | | | | |
| Sample Identifier: | MW-10I | | | | | | | | |
| Lab Sample ID: | 152077-07 | | | Dat | e Sampled: | 5/27/2015 | | | |
| Matrix: | Water | | | Dat | e Received: | 5/27/2015 | | | |
| Trichloroethene | | < 2.00 | ug/L | | | 5/29/2015 | 18:36 | | |
| Trichlorofluoromethar | ne | < 2.00 | ug/L | | | 5/29/2015 | 18:36 | | |
| Vinyl chloride | | < 2.00 | ug/L | | | 5/29/2015 | 18:36 | | |
| <u>Surrogate</u> | | Pe | ercent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | <u>zed</u> | | |
| 1,2-Dichloroethane-d4 | : | | 114 | 82.3 - 115 | | 5/29/2015 | 18:36 | | |
| 4-Bromofluorobenzen | e | | 91.8 | 85.5 - 111 | | 5/29/2015 | 18:36 | | |
| Pentafluorobenzene | | | 98.9 | 91.2 - 107 | | 5/29/2015 | 18:36 | | |
| Toluene-D8 | | | 94.8 | 90.9 - 108 | | 5/29/2015 | 18:36 | | |
| Method Reference Data File: | ce(s): EPA 62 x2318 | | | | | | | | |

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| Client: | <u>City of Rochester</u> | | |
|--------------------|---------------------------------------|----------------|-----------|
| Project Reference: | RFA Semi-Annual GW Sampling DEQ-98045 | | |
| Sample Identifier: | MW-10S | | |
| Lab Sample ID: | 152077-08 | Date Sampled: | 5/27/2015 |
| Matrix: | Water | Date Received: | 5/27/2015 |

Volatile Organics

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | Qualifier Date Analyzed | |
|---------------------------|---------------|--------------|-------------------------|--|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | 5/29/2015 18:59 | |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | 5/29/2015 18:59 | |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | 5/29/2015 18:59 | |
| 1,1-Dichloroethane | < 2.00 | ug/L | 5/29/2015 18:59 | |
| 1,1-Dichloroethene | < 2.00 | ug/L | 5/29/2015 18:59 | |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | 5/29/2015 18:59 | |
| 1,2-Dichloroethane | < 2.00 | ug/L | 5/29/2015 18:59 | |
| 1,2-Dichloropropane | < 2.00 | ug/L | 5/29/2015 18:59 | |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | 5/29/2015 18:59 | |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | 5/29/2015 18:59 | |
| 2-Chloroethyl vinyl Ether | < 10.0 | ug/L | 5/29/2015 18:59 | |
| Benzene | < 0.700 | ug/L | 5/29/2015 18:59 | |
| Bromodichloromethane | < 2.00 | ug/L | 5/29/2015 18:59 | |
| Bromoform | < 5.00 | ug/L | 5/29/2015 18:59 | |
| Bromomethane | < 2.00 | ug/L | 5/29/2015 18:59 | |
| Carbon Tetrachloride | < 2.00 | ug/L | 5/29/2015 18:59 | |
| Chlorobenzene | < 2.00 | ug/L | 5/29/2015 18:59 | |
| Chloroethane | < 2.00 | ug/L | 5/29/2015 18:59 | |
| Chloroform | < 2.00 | ug/L | 5/29/2015 18:59 | |
| Chloromethane | < 2.00 | ug/L | 5/29/2015 18:59 | |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | 5/29/2015 18:59 | |
| Dibromochloromethane | < 2.00 | ug/L | 5/29/2015 18:59 | |
| Ethylbenzene | < 2.00 | ug/L | 5/29/2015 18:59 | |
| Methyl tert-butyl Ether | < 2.00 | ug/L | 5/29/2015 18:59 | |
| Methylene chloride | < 5.00 | ug/L | 5/29/2015 18:59 | |
| Tetrachloroethene | < 2.00 | ug/L | 5/29/2015 18:59 | |
| Toluene | < 2.00 | ug/L | 5/29/2015 18:59 | |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | 5/29/2015 18:59 | |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 5/29/2015 18:59 | |
| | | | | |

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| Client: | <u>City of Roche</u> | ester | | | | | | |
|------------------------------|---------------------------------|--------------------------------------|-----------------|---------------|-----------------|-------------------|------------|--|
| Project Reference: | RFA Semi-An | FA Semi-Annual GW Sampling DEQ-98045 | | | | | | |
| Sample Identifier: | MW-10S | | | | | | | |
| Lab Sample ID: | 152077-08 | | | Dat | e Sampled: | 5/27/2015 | | |
| Matrix: | Water | | | Dat | e Received: | 5/27/2015 | | |
| Trichloroethene | | < 2.00 | ug/L | | | 5/29/2015 | 18:59 | |
| Trichlorofluorometha | ne | < 2.00 | ug/L | | | 5/29/2015 | 18:59 | |
| Vinyl chloride | | < 2.00 | ug/L | | | 5/29/2015 | 18:59 | |
| <u>Surrogate</u> | | <u>Pe</u> | ercent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | <u>zed</u> | |
| 1,2-Dichloroethane-d4 | : | | 116 | 82.3 - 115 | * | 5/29/2015 | 18:59 | |
| 4-Bromofluorobenzen | e | | 87.9 | 85.5 - 111 | | 5/29/2015 | 18:59 | |
| Pentafluorobenzene | | | 99.3 | 91.2 - 107 | | 5/29/2015 | 18:59 | |
| Toluene-D8 | | | 94.9 | 90.9 - 108 | | 5/29/2015 | 18:59 | |
| Method Referen Data File: | ce(s): EPA 624 x23184 | - | | | | | | |

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| Client: | <u>City of Rochester</u> | | |
|--------------------|---------------------------------------|----------------|-----------|
| Project Reference: | RFA Semi-Annual GW Sampling DEQ-98045 | | |
| Sample Identifier: | MW-11I | | |
| Lab Sample ID: | 152077-09 | Date Sampled: | 5/27/2015 |
| Matrix: | Water | Date Received: | 5/27/2015 |

Volatile Organics

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
|---------------------------|---------------|--------------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 10.0 | ug/L | | 5/29/2015 19:22 |
| 1,1,2,2-Tetrachloroethane | < 10.0 | ug/L | | 5/29/2015 19:22 |
| 1,1,2-Trichloroethane | < 10.0 | ug/L | | 5/29/2015 19:22 |
| 1,1-Dichloroethane | < 10.0 | ug/L | | 5/29/2015 19:22 |
| 1,1-Dichloroethene | < 10.0 | ug/L | | 5/29/2015 19:22 |
| 1,2-Dichlorobenzene | < 10.0 | ug/L | | 5/29/2015 19:22 |
| 1,2-Dichloroethane | < 10.0 | ug/L | | 5/29/2015 19:22 |
| 1,2-Dichloropropane | < 10.0 | ug/L | | 5/29/2015 19:22 |
| 1,3-Dichlorobenzene | < 10.0 | ug/L | | 5/29/2015 19:22 |
| 1,4-Dichlorobenzene | < 10.0 | ug/L | | 5/29/2015 19:22 |
| 2-Chloroethyl vinyl Ether | < 50.0 | ug/L | | 5/29/2015 19:22 |
| Benzene | < 3.50 | ug/L | | 5/29/2015 19:22 |
| Bromodichloromethane | < 10.0 | ug/L | | 5/29/2015 19:22 |
| Bromoform | < 25.0 | ug/L | | 5/29/2015 19:22 |
| Bromomethane | < 10.0 | ug/L | | 5/29/2015 19:22 |
| Carbon Tetrachloride | < 10.0 | ug/L | | 5/29/2015 19:22 |
| Chlorobenzene | < 10.0 | ug/L | | 5/29/2015 19:22 |
| Chloroethane | < 10.0 | ug/L | | 5/29/2015 19:22 |
| Chloroform | < 10.0 | ug/L | | 5/29/2015 19:22 |
| Chloromethane | < 10.0 | ug/L | | 5/29/2015 19:22 |
| cis-1,3-Dichloropropene | < 10.0 | ug/L | | 5/29/2015 19:22 |
| Dibromochloromethane | < 10.0 | ug/L | | 5/29/2015 19:22 |
| Ethylbenzene | < 10.0 | ug/L | | 5/29/2015 19:22 |
| Methyl tert-butyl Ether | < 10.0 | ug/L | | 5/29/2015 19:22 |
| Methylene chloride | < 25.0 | ug/L | | 5/29/2015 19:22 |
| Tetrachloroethene | < 10.0 | ug/L | | 5/29/2015 19:22 |
| Toluene | < 10.0 | ug/L | | 5/29/2015 19:22 |
| trans-1,2-Dichloroethene | < 10.0 | ug/L | | 5/29/2015 19:22 |
| trans-1,3-Dichloropropene | < 10.0 | ug/L | | 5/29/2015 19:22 |
| | | | | |

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| Client: | <u>City of Roche</u> | <u>ester</u> | | | | | |
|------------------------------|--------------------------|--------------|-----------------|---------------|-----------------|-------------------|------------|
| Project Reference: | RFA Semi-An | nual GW | Sampling DEQ- | 98045 | | | |
| Sample Identifier: | MW-11I | | | | | | |
| Lab Sample ID: | 152077-09 | | | Dat | e Sampled: | 5/27/2015 | |
| Matrix: | Water | | | Dat | e Received: | 5/27/2015 | |
| Trichloroethene | | < 10.0 | ug/L | | | 5/29/2015 | 19:22 |
| Trichlorofluoromethar | ie | < 10.0 | ug/L | | | 5/29/2015 | 19:22 |
| Vinyl chloride | | 476 | ug/L | | | 5/29/2015 | 19:22 |
| <u>Surrogate</u> | | <u>P</u> | ercent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | <u>zed</u> |
| 1,2-Dichloroethane-d4 | | | 114 | 82.3 - 115 | | 5/29/2015 | 19:22 |
| 4-Bromofluorobenzen | e | | 86.7 | 85.5 - 111 | | 5/29/2015 | 19:22 |
| Pentafluorobenzene | | | 105 | 91.2 - 107 | | 5/29/2015 | 19:22 |
| Toluene-D8 | | | 94.4 | 90.9 - 108 | | 5/29/2015 | 19:22 |
| Method Referen Data File: | ce(s): EPA 624 x23185 | - | | | | | |

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| Client: | <u>City of Rochester</u> | | |
|--------------------|---------------------------------------|----------------|-----------|
| Project Reference: | RFA Semi-Annual GW Sampling DEQ-98045 | | |
| Sample Identifier: | MW-15S | | |
| Lab Sample ID: | 152077-10 | Date Sampled: | 5/27/2015 |
| Matrix: | Water | Date Received: | 5/27/2015 |

Volatile Organics

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
|---------------------------|---------------|--------------|-----------|----------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 6/1/2015 21:29 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 6/1/2015 21:29 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 6/1/2015 21:29 |
| 1,1-Dichloroethane | < 2.00 | ug/L | | 6/1/2015 21:29 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 6/1/2015 21:29 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 6/1/2015 21:29 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 6/1/2015 21:29 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 6/1/2015 21:29 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 6/1/2015 21:29 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 6/1/2015 21:29 |
| 2-Chloroethyl vinyl Ether | < 10.0 | ug/L | | 6/1/2015 21:29 |
| Benzene | < 0.700 | ug/L | | 6/1/2015 21:29 |
| Bromodichloromethane | < 2.00 | ug/L | | 6/1/2015 21:29 |
| Bromoform | < 5.00 | ug/L | | 6/1/2015 21:29 |
| Bromomethane | < 2.00 | ug/L | | 6/1/2015 21:29 |
| Carbon Tetrachloride | < 2.00 | ug/L | | 6/1/2015 21:29 |
| Chlorobenzene | < 2.00 | ug/L | | 6/1/2015 21:29 |
| Chloroethane | < 2.00 | ug/L | | 6/1/2015 21:29 |
| Chloroform | < 2.00 | ug/L | | 6/1/2015 21:29 |
| Chloromethane | < 2.00 | ug/L | | 6/1/2015 21:29 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | | 6/1/2015 21:29 |
| Dibromochloromethane | < 2.00 | ug/L | | 6/1/2015 21:29 |
| Ethylbenzene | < 2.00 | ug/L | | 6/1/2015 21:29 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | | 6/1/2015 21:29 |
| Methylene chloride | < 5.00 | ug/L | | 6/1/2015 21:29 |
| Tetrachloroethene | < 2.00 | ug/L | | 6/1/2015 21:29 |
| Toluene | < 2.00 | ug/L | | 6/1/2015 21:29 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | | 6/1/2015 21:29 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | | 6/1/2015 21:29 |
| | | | | |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt. Page 20 of 25



| Client: | <u>City of Roc</u> | <u>:hester</u> | | | | | |
|------------------------------|--------------------|----------------|----------------|---------------|-----------------|-------------------|------------|
| Project Reference: | RFA Semi-A | Annual GW | Sampling DEQ- | 98045 | | | |
| Sample Identifier: | MW-15S | | | | | | |
| Lab Sample ID: | 152077-1 | 0 | | Dat | e Sampled: | 5/27/2015 | |
| Matrix: | Water | | | Dat | e Received: | 5/27/2015 | |
| Trichloroethene | | < 2.00 | ug/L | | | 6/1/2015 | 21:29 |
| Trichlorofluoromethar | ne | < 2.00 | ug/L | | | 6/1/2015 | 21:29 |
| Vinyl chloride | | < 2.00 | ug/L | | | 6/1/2015 | 21:29 |
| <u>Surrogate</u> | | <u>Pe</u> | rcent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | <u>zed</u> |
| 1,2-Dichloroethane-d4 | : | | 91.8 | 82.3 - 115 | | 6/1/2015 | 21:29 |
| 4-Bromofluorobenzen | е | | 93.7 | 85.5 - 111 | | 6/1/2015 | 21:29 |
| Pentafluorobenzene | | | 104 | 91.2 - 107 | | 6/1/2015 | 21:29 |
| Toluene-D8 | | | 95.6 | 90.9 - 108 | | 6/1/2015 | 21:29 |
| Method Referen Data File: | • • | 624 234.D | | | | | |



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard. sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns. "NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted. "(1)" = Indicates data from primary column used for QC calculation.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt. Page 22 of 25

GENERAL TERMS AND CONDITIONS LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

| Warranty.Recognizing that the nature of many samples is unknown and that some may contain potential phazerdous components. LAB warrants only that it will perform setting services, obtain findings, and pregner perfors in accordance will be generally according sanytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or uning the contrast of the chain of castivo to which these terms and conditions are applied. LAB agrees to perform the services described in the chain of castivo to which these terms and conditions or anytes. LAB ware LAB default method for all tests unkess specified of describes on the Work Order. Prince terms are easily and the contrast of the contrast, which is the contrast of the contrast, which is the contrast of the con | and interpreted under | the laws of the state which services are procured. |
|--|-----------------------|--|
| Compensation. parties agree in writing to the contrary, the duites of LAB shall not be construct to co | Warranty. | warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or |
| Prices.Payment terms are net 30 days from the dair of invoice. All overdue payments are subject to an interest charge of one and one-half vessonable attorney fees if such expenses is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes or invoited payment of reasonable attorney fees if such expenses is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes or use any partice. The article attribution of the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimory, | - | parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi |
| by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees. Limitations of Lie work of any error, onision, or other professional negligence, the sole and exclusive responsibility of LAB shall be to reperform the deficient work at its own expense and LAB shall have no other liability whatsnever. All claims shall be deemed waived unless made in writing and received by LAB within insety (90) days following completion of services. LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results. All results provided by LAB are strictly for the use of its clients and LAB is not responsible for the use of such results by clients or other use of any partion of these reports. Client may not assign the lab report without the written consent of the LAB. Client covenants and/or expenses (including without limitation at torney's and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed (upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breesen(c inding without limitation at thereas, using metring or disclosing any hazardous substance. (b) the neglegence of the client to handing, delivered or awarded against client relating to, resulting the presence of any hazardous substance known or suspected by Client. (b) the neglegence of the client in thanding, delivering or disclosing any hazardous substance known or suspected by Client. (b) the neglegence of the client in the substance shall and the laws. Sample Handling, Prior to LAB's acceptance of any sample for after any revocation of accepta | | Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes |
| Liability.perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (00) days following completion of services. LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, includental or consequential damages) with respect to LAB's services or results. All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties, all reports should be considered in their entirely, and LAB's is not way responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB. Client covenants and grees, at its/his/her sole expenses, to indemnify protect, defend, and save harmless the LAB from and against any and all damages. losses, liabilities, obligations, penalties, cliams, litigation, demands, defenses, ludgments, suits, actions, proceedings, costs, disbursements and/or expenses (including without limitation attorneys' and experts frees and disbursements) of any kind whatsoace, (c) the violation of the Client of any applicable (as, (d) non-compliance by the Client vith any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.Hazard DisclosureClient expresents and/or expenses (including without linet with all aux schedars) by and plicable laws.Devise and the average and all abardow and the average and all accordance with applicable laws.Sample Handling, bereace of any hazardows substance kin is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.De | Prices. | by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs |
| Hazard Disclosure.or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB. Client covenants and agrees, at its/lis/ler sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claining, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.Hazard Disclosure.Client represents and warrants that any sample delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.Sample Handling.Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such samples remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility of the action or inaction of any carrier shipping or delivering any sample to or from LAB regulting that any samples not incompliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on thinal report. <t< th=""><th></th><th>perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services. LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.</th></t<> | | perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services. LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results. |
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| Force Majeure.any assignee (subcontractor) by ELAP ID # on the submitted final report.Force Majeure.LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not | Legal Responsibility. | LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have |
| part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not | Assignment. | LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report. |
| civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control. | Force Majeure. | part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies |
| Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision. | Law. | This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision. |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt. Page 23 of 25

| () () | Received By: | Relinquished By: | Sampled By: Dennis Peck | | SAMPLE CONDITION: Check box | **LAB USE ONLY** | 10 // 24 | 9 | 8 | 7 | 6 1043 | 5 //34 | 4 /1.56 | 3 //// | 2 //// | 15/27/15 /127 | DATE TIME | | RFA semi-annual GW samplifcomments: email results | PROJECT NAME/SITE NAME: | (585) 647-2530 * (800) 724 | Rochester, NY 14608 | 179 Lake Avenue | SERVICES, INC. | ENVIRONMENTAL | PARADIGM |
|------------|-------------------|------------------|-------------------------|--------|-----------------------------|------------------|----------|--------|-----------------|--------|--------|--------|---------|--------|--------|---------------|-------------------------------------|--------------------|---|-------------------------|----------------------------|---------------------|--------------------------------------|----------------------------|---------------|------------------|
| R |) | 10/ 0110 | s Peck | | heck box iation | * | | | | | | | | | | | | | / sampli | | 1-1997 | | | <u></u> . | TAL | Z |
| | 1000 | MAN (| | | 0 | | × | × | × | × | × | × | × | × | × | × | טמ≺ט | | COMMEN | ATTN: D | PHONE: | CITY: R | ADDRESS | COMPAN | | |
| 11761 | Date/Time: | Date/Time: | Date/Time: 5/27//5 | | CONTAINER TYPE: | | MW 15S | MW 11I | MW 10S | MW 10I | MW 9D | MW 8I | MW 7S | MW 7D | MW 7I | MW 6I | SAMPLEL | | rs: email results | ATTN: DENNIS PECK | PHONE: 585-428-6884 | CITY: ROCHESTER | ADDRESS: 30 CHURCH STREET, ROOM 300B | COMPANY: CITY OF ROCHESTER | REP | |
| S 11-5/19m | R | // SCO R | | | PRESERVATIONS: | | | | | | | | | | | | SAMPLE LOCATION/FIELD ID | | to peckd@cityofrochester.gov | | FAX: 585-428-6010 | STATE: NY | TREET, ROOM | HESTER | REPORT TO: | |
| 5 | Received @ Lab By | Received By: | Relinguished By: | | ATIONS: | | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | ב א ר ת - X | | ofrochest | | 10 | zip: 14614 | 1300B | | | <u>CH</u> |
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| WayVar | 1 - 1 | | | | HOLDING TIME: | | | | | | | | | | | | | REQUESTED ANALYSIS | | | | | | | INVOICE TO: | CHAIN OF CUSTODY |
| PIC | 2 | | | | _ | | | | | | | | | | | | | ANALYS | | | FAX: | STATE: | | | Ħ TO: | 1× |
| 5117615 | | | | | | | | | | | | | | | | | | ŝ | | | | | | | | |
| 1232 | Date/Tim | Date/Time: | Date/Time: | | TEMPE | | | | | | | | | | | | | | | | | ZIP: T | | 1 | | |
| P | ē | ē | ē | | TEMPERATURE: | | | | | | | | | | | | REMARKS | | | | | URNAROUN | 52077 | LAB PROJECT #: | | |
| | - P.I.F. | 1 | Tota | tin fe | NX X | | | | | | | | | | | | ω | | | N | | D TIME: (WO | 7 | | | |
| | ." | | Total Cost: | UN 51 | | | | | | | | | | | | | SAN | | | 3 5 | STD | RKING DAY | | CLIENT PROJECT #: | | |
| | | | | 27/15 | Set o | , | ~ | 0 | 0 | 0 | 0 | | ڻ ن | 6 | c | େ | PARADIGM LAB SAMPLE NUMBER | | ſ | × | OTHER | S |) | JECT #: | | |
| | | | | MCOKI | Æ | 54. | <u> </u> | 9 | <i><i>с</i></i> | 7 | 3 | 5 | 5 | 3 | 2 | | ~ ر | | | | age | 24 0 | of 25 | 5 | | 28 |



Chain of Custody Supplement

| Client: | (ity of Roch | Completed by: \downarrow | polpail |
|---|---|--|----------------|
| Lab Project ID: | 152077 | Date: | 5/27/15 |
| | Sample Conditi Per NELAC/ELAP 2 | ion Requirements 10/241/242/243/244 | |
| Condition | NELAC compliance with the sample Yes | e condition requirements upon No | receipt N/A |
| Container Type Commen | uts | | |
| Transferred to method- compliant container | | | |
| H eadspace (<1 mL) Commen | .ts | | |
| Preservation Commen | ts | ······································ | |
| Chlorine Absent (<0.10 ppm per test strip) Commen | | | |
| Holding Time Commen | ts | | |
| Temperature Commen | ts 16° cicul started | in field 5/27/1 | 5 1202 his |
| Sufficient Sample Quantity Commen | | | |
| | | ····· | |



Analytical Report For

City of Rochester

For Lab Project ID

152140

Referencing

RFA Quarterly Sampling DEQ-98045

Prepared

Wednesday, January 06, 2016

This project has been re-issued to correct the Total Hardness test.

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

hull

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt. Page 1 of 14

Report Prepared Wednesday, January 06, 2016



| Client: | <u>City of Re</u> | <u>ochester</u> | | | | |
|--|-------------------|-------------------------------|--------------|----------------|----------------------|--|
| Project Reference: | RFA Quar | terly Sampling D | EQ-98045 | | | |
| Sample Identifier: | Effluent | | | | | |
| Lab Sample ID: | 152140- | -01 | | Date Sampled: | 5/29/2015 | |
| Matrix: | Wastew | ater | | Date Received: | | |
| <u>Metals</u> | | | | | | |
| <u>Analyte</u> | | Result | <u>Units</u> | Qualifier | Date Analyzed | |
| Arsenic | | 0.0117 | mg/L | | 6/9/2015 11:51 | |
| Cadmium | | < 0.00250 | mg/L | | 6/4/2015 17:59 | |
| Chromium | | < 0.00500 | mg/L | | 6/4/2015 17:59 | |
| Copper | | < 0.0125 | mg/L | | 6/4/2015 17:59 | |
| Lead | | < 0.00500 | mg/L | | 6/4/2015 17:59 | |
| Nickel | | < 0.0200 | mg/L | | 6/4/2015 17:59 | |
| Selenium | | < 0.00500 | mg/L | | 6/8/2015 17:08 | |
| Zinc | | 0.0385 | mg/L | | 6/4/2015 17:59 | |
| Method Referenc Preparation Date Data File: <u>Chlorinated Pestic</u> | :: 6, 00 | PA 200.7 /3/2015 60915a | | | | |
| <u>Analyte</u> | | Result | <u>Units</u> | Qualifier | Date Analyzed | |
| 4,4-DDD | | < 0.100 | ug/L | | 6/2/2015 14:26 | |
| 4,4-DDE | | < 0.100 | ug/L | | 6/2/2015 14:26 | |
| 4,4-DDT | | < 0.100 | ug/L | | 6/2/2015 14:26 | |
| Aldrin | | < 0.100 | ug/L | | 6/2/2015 14:26 | |
| alpha-BHC | | < 0.100 | ug/L | | 6/2/2015 14:26 | |
| beta-BHC | | < 0.100 | ug/L | | 6/2/2015 14:26 | |
| cis-Chlordane | | < 0.100 | ug/L | | 6/2/2015 14:26 | |
| delta-BHC | | < 0.100 | ug/L | | 6/2/2015 14:26 | |
| Dieldrin | | < 0.100 | ug/L | | 6/2/2015 14:26 | |
| Endosulfan I | | < 0.100 | ug/L | | 6/2/2015 14:26 | |
| Endosulfan II | | < 0.100 | ug/L | | 6/2/2015 14:26 | |
| Endosulfan Sulfate | | < 0.100 | ug/L | | 6/2/2015 14:26 | |
| Endrin | | < 0.100 | ug/L | | 6/2/2015 14:26 | |
| Endrin Aldehyde | | < 0.100 | ug/L | | 6/2/2015 14:26 | |
| gamma-BHC (Lindane) | | < 0.100 | ug/L | | 6/2/2015 14:26 | |
| Heptachlor | | < 0.100 | ug/L | | 6/2/2015 14:26 | |

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| Client: | <u>City of Roche</u> | <u>ster</u> | | | | | |
|---|---|---------------|--------------------|---------------------|------------------|-------------------|-------------|
| Project Reference: | RFA Quarterly | Sampling | DEQ-98045 | | | | |
| Sample Identifier: | Effluent | | | | | | |
| Lab Sample ID: | 152140-01 | | | Date | e Sampled: | 5/29/2015 | |
| Matrix: | Wastewater | | | Date | e Received: | 5/29/2015 | |
| Heptachlor Epoxide | | < 0.100 | ug/L | | | 6/2/2015 | 14:26 |
| Methoxychlor | | < 0.100 | ug/L | | | 6/2/2015 | 14:26 |
| Toxaphene | | < 1.00 | ug/L | | | 6/2/2015 | 14:26 |
| trans-Chlordane | | < 0.100 | ug/L | | | 6/2/2015 | 14:26 |
| <u>Surrogate</u> | | Perce | ent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| Decachlorobiphenyl (1 | .) | | 61.9 | 38.2 - 137 | | 6/2/2015 | 14:26 |
| Tetrachloro-m-xylene | (1) | | 48.0 | 3.3 - 102.2 | | 6/2/2015 | 14:26 |
| Method Referen Preparation Dat | | 5 | | | | | |
| <u>pH</u> | | | | | | | |
| <u>Analyte</u> | | <u>Result</u> | <u>Units</u> | | Qualifier | Date Anal | <u>yzed</u> |
| рН | | 8.25 @ 20.8 | BC S.U. | | | 5/29/2015 | 15:59 |
| Method Referen ELAP does not | ce(s): SM 4500 offer this test for a | | irt of their labor | atory certification | n program. | | |
| <u>Semi-Volatile Org</u> | <u>anics</u> | | | | | | |
| Analyte | | <u>Result</u> | <u>Units</u> | | Qualifier | Date Anal | yzed |
| 3&4-Methylphenol | | < 10.0 | ug/L | | | 6/2/2015 | 16:47 |
| Bis (2-ethylhexyl) phtl | nalate | < 10.0 | ug/L | | | 6/2/2015 | 16:47 |
| Diethyl phthalate | | < 10.0 | ug/L | | | 6/2/2015 | 16:47 |
| <u>Surrogate</u> | | Perce | ent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| 2-Fluorobiphenyl | | | 75.2 | 20.2 - 94.7 | | 6/2/2015 | 16:47 |
| Nitrobenzene-d5 | | | 72.1 | 44. 4 95.7 | | 6/2/2015 | 16:47 |
| Terphenyl-d14 | | | 80.8 | 55.1 - 112 | | 6/2/2015 | 16:47 |
| Method Referen Preparation Dat Data File: | | | | | | | |
| <u>Volatile Organics</u> | | | | | | | |
| Analyte | | <u>Result</u> | <u>Units</u> | | Qualifier | Date Anal | yzed |
| 1,1,1-Trichloroethane | | 26.8 | ug/L | | | 6/9/2015 | 08:18 |
| 1,1,2,2-Tetrachloroeth | ane | < 2.00 | ug/L | | | 6/9/2015 | 08:18 |
| 1,1,2-Trichloroethane | | < 2.00 | ug/L | | | 6/9/2015 | 08:18 |

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| Client: | <u>City of Roche</u> | <u>ster</u> | | | | |
|-------------------------|----------------------|-------------|----------|----------------|-----------|-------|
| Project Reference: | RFA Quarterly | Sampling D | EQ-98045 | | | |
| Sample Identifier: | Effluent | | | | | |
| Lab Sample ID: | 152140-01 | | | Date Sampled: | 5/29/2015 | |
| Matrix: | Wastewater | | | Date Received: | 5/29/2015 | |
| 1,1-Dichloroethane | | 31.8 | ug/L | | 6/9/2015 | 08:18 |
| 1,1-Dichloroethene | | < 2.00 | ug/L | | 6/9/2015 | 08:18 |
| 1,2-Dichlorobenzene | | < 2.00 | ug/L | | 6/9/2015 | 08:18 |
| 1,2-Dichloroethane | | < 2.00 | ug/L | | 6/9/2015 | 08:18 |
| 1,2-Dichloropropane | | < 2.00 | ug/L | | 6/9/2015 | 08:18 |
| 1,3-Dichlorobenzene | | < 2.00 | ug/L | | 6/9/2015 | 08:18 |
| 1,4-Dichlorobenzene | | < 2.00 | ug/L | | 6/9/2015 | 08:18 |
| 2-Butanone | | < 10.0 | ug/L | | 6/9/2015 | 08:18 |
| 2-Chloroethyl vinyl Etl | her | < 10.0 | ug/L | | 6/9/2015 | 08:18 |
| 4-Methyl-2-pentanone | | < 5.00 | ug/L | | 6/9/2015 | 08:18 |
| Acetone | | < 10.0 | ug/L | | 6/9/2015 | 08:18 |
| Benzene | | < 0.700 | ug/L | | 6/9/2015 | 08:18 |
| Bromodichloromethan | ie | < 2.00 | ug/L | | 6/9/2015 | 08:18 |
| Bromoform | | < 5.00 | ug/L | | 6/9/2015 | 08:18 |
| Bromomethane | | < 2.00 | ug/L | | 6/9/2015 | 08:18 |
| Carbon Tetrachloride | | < 2.00 | ug/L | | 6/9/2015 | 08:18 |
| Chlorobenzene | | < 2.00 | ug/L | | 6/9/2015 | 08:18 |
| Chloroethane | | 2.62 | ug/L | | 6/9/2015 | 08:18 |
| Chloroform | | < 2.00 | ug/L | | 6/9/2015 | 08:18 |
| Chloromethane | | < 2.00 | ug/L | | 6/9/2015 | 08:18 |
| cis-1,3-Dichloroproper | ne | < 2.00 | ug/L | | 6/9/2015 | 08:18 |
| Dibromochloromethar | ie | < 2.00 | ug/L | | 6/9/2015 | 08:18 |
| Ethylbenzene | | < 2.00 | ug/L | | 6/9/2015 | 08:18 |
| Methylene chloride | | < 5.00 | ug/L | | 6/9/2015 | 08:18 |
| Tetrachloroethene | | < 2.00 | ug/L | | 6/9/2015 | 08:18 |
| Toluene | | < 2.00 | ug/L | | 6/9/2015 | 08:18 |
| trans-1,2-Dichloroethe | ene | < 2.00 | ug/L | | 6/9/2015 | 08:18 |
| trans-1,3-Dichloroproj | pene | < 2.00 | ug/L | | 6/9/2015 | 08:18 |
| Trichloroethene | | < 2.00 | ug/L | | 6/9/2015 | 08:18 |
| Vinyl chloride | | 6.50 | ug/L | | 6/9/2015 | 08:18 |

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| Client: | <u>City of Rochester</u> | 1 | | | | |
|--------------------------------|-----------------------------------|------------------|---------------|-----------------|------------|-------|
| Project Reference: | RFA Quarterly Sar | npling DEQ-98045 | | | | |
| Sample Identifier: | Effluent | | | | | |
| Lab Sample ID: | 152140-01 | | Date | e Sampled: | 5/29/2015 | |
| Matrix: | Wastewater | | Date | e Received: | 5/29/2015 | |
| Surrogate | | Percent Recovery | Limits | <u>Outliers</u> | Date Analy | vzed |
| 1,2-Dichloroethane-d4 | ł | 114 | 82.3 - 115 | | 6/9/2015 | 08:18 |
| 4-Bromofluorobenzen | e | 89.6 | 85.5 - 111 | | 6/9/2015 | 08:18 |
| Pentafluorobenzene | | 107 | 91.2 - 107 | | 6/9/2015 | 08:18 |
| Toluene-D8 | | 96.3 | 90.9 - 108 | | 6/9/2015 | 08:18 |
| Method Reference Data File: | ce(s): EPA 624 x23497.D | | | | | |

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| lient: | <u>City of F</u> | Rochester | | | |
|--|----------------------------------|----------------------------------|--------------|----------------|----------------------|
| roject Reference: | RFA Quarterly Sampling DEQ-98045 | | | | |
| Sample Identifier: | Influen | t | | | |
| Lab Sample ID: | 152140 |)-02 | | Date Sampled: | 5/29/2015 |
| Matrix: | Wastev | vater | | Date Received: | 5/29/2015 |
| <u>Total Alkalinity</u> | | | | | |
| <u>Analyte</u> | | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
| Alkalinity, Total | | 390 | mg/L | | 6/5/2015 |
| Method Reference Subcontractor El | | SM 2320 B 10709 | | | |
| <u>Total Hardness</u> | | | | | |
| <u>Analyte</u> | | Result | <u>Units</u> | Qualifier | Date Analyzed |
| Hardness, Total | | 626 | mg/L | | 6/4/2015 18:04 |
| Method Reference Preparation Date | | EPA 200.7 6/3/2015 | | | |
| <u>Metals</u> | | | | | |
| <u>Analyte</u> | | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
| Arsenic | | 0.0128 | mg/L | | 6/9/2015 11:55 |
| Cadmium | | < 0.00250 | mg/L | | 6/4/2015 18:04 |
| Chromium | | < 0.00500 | mg/L | | 6/4/2015 18:04 |
| Copper | | < 0.0125 | mg/L | | 6/4/2015 18:04 |
| Lead | | < 0.00500 | mg/L | | 6/4/2015 18:04 |
| Nickel | | < 0.0200 | mg/L | | 6/4/2015 18:04 |
| Selenium | | < 0.00500 | mg/L | | 6/8/2015 17:10 |
| Zinc | | 0.0608 | mg/L | | 6/4/2015 18:04 |
| Method Reference Preparation Date Data File: | e: | EPA 200.7 6/3/2015 060915a | | | |
| Chlorinated Pestic | | | | | |
| <u>Analyte</u> | | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
| 4,4-DDD | | < 0.100 | ug/L | | 6/2/2015 14:42 |
| 4,4-DDE | | < 0.100 | ug/L | | 6/2/2015 14:42 |
| 4,4-DDT | | < 0.100 | ug/L | | 6/2/2015 14:42 |
| Aldrin | | < 0.100 | ug/L | | 6/2/2015 14:42 |
| alpha-BHC | | < 0.100 | ug/L | | 6/2/2015 14:42 |

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| Client: | <u>City of Roche</u> | <u>ster</u> | | | | | |
|----------------------------------|--|---------------|-------------------|---------------------|------------------|-------------------|-------|
| Project Reference: | RFA Quarterly | Sampling | DEQ-98045 | | | | |
| Sample Identifier: | Influent | | | | | | |
| Lab Sample ID: | 152140-02 | | | Date | e Sampled: | 5/29/2015 | |
| Matrix: | Wastewater | | | Date | e Received: | 5/29/2015 | |
| beta-BHC | | < 0.100 | ug/L | | | 6/2/2015 | 14:42 |
| cis-Chlordane | | < 0.100 | ug/L | | | 6/2/2015 | 14:42 |
| delta-BHC | | < 0.100 | ug/L | | | 6/2/2015 | 14:42 |
| Dieldrin | | < 0.100 | ug/L | | | 6/2/2015 | 14:42 |
| Endosulfan I | | < 0.100 | ug/L | | | 6/2/2015 | 14:42 |
| Endosulfan II | | < 0.100 | ug/L | | | 6/2/2015 | 14:42 |
| Endosulfan Sulfate | | < 0.100 | ug/L | | | 6/2/2015 | 14:42 |
| Endrin | | < 0.100 | ug/L | | | 6/2/2015 | 14:42 |
| Endrin Aldehyde | | < 0.100 | ug/L | | | 6/2/2015 | 14:42 |
| gamma-BHC (Lindane | 2) | < 0.100 | ug/L | | | 6/2/2015 | 14:42 |
| Heptachlor | | < 0.100 | ug/L | | | 6/2/2015 | 14:42 |
| Heptachlor Epoxide | | < 0.100 | ug/L | | | 6/2/2015 | 14:42 |
| Methoxychlor | | < 0.100 | ug/L | | | 6/2/2015 | 14:42 |
| Toxaphene | | < 1.00 | ug/L | | | 6/2/2015 | 14:42 |
| trans-Chlordane | | < 0.100 | ug/L | | | 6/2/2015 | 14:42 |
| <u>Surrogate</u> | | Perce | nt Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| Decachlorobiphenyl (| 1) | | 66.9 | 38.2 137 | | 6/2/2015 | 14:42 |
| Tetrachloro-m-xylene | (1) | | 49.6 | 3.3 - 102.2 | | 6/2/2015 | 14:42 |
| Method Referer Preparation Da | | 5 | | | | | |
| <u>pH</u> | | | | | | | |
| <u>Analyte</u> | | <u>Result</u> | <u>Units</u> | | Qualifier | Date Anal | yzed |
| рН | | 7.06 @ 18.9 | C S.U. | | | 5/29/2015 | 15:59 |
| Method Referen | nce(s): SM 4500 t offer this test for a | | rt of their labor | atory cortification | nrogram | | |
| Volatile Organics | | ρριοναί ας ρα | | | i program. | | |
| <u>volutile Orgullits</u> | | | | | | | |

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
|---------------------------|---------------|--------------|------------------|----------------|
| 1,1,1-Trichloroethane | 1280 | ug/L | | 6/9/2015 08:42 |
| 1,1,2,2-Tetrachloroethane | < 200 | ug/L | | 6/9/2015 08:42 |
| 1,1,2-Trichloroethane | < 200 | ug/L | | 6/9/2015 08:42 |
| 1,1-Dichloroethane | 1270 | ug/L | | 6/9/2015 08:42 |

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| Client: | <u>City of Roche</u> | <u>ster</u> | | | | |
|-------------------------|----------------------|-------------|-----------|----------------|-----------|-------|
| Project Reference: | RFA Quarterly | Sampling | DEQ-98045 | | | |
| Sample Identifier: | Influent | | | | | |
| Lab Sample ID: | 152140-02 | | | Date Sampled: | 5/29/2015 | |
| Matrix: | Wastewater | | | Date Received: | 5/29/2015 | |
| 1,1-Dichloroethene | | < 200 | ug/L | | 6/9/2015 | 08:42 |
| 1,2-Dichlorobenzene | | < 200 | ug/L | | 6/9/2015 | 08:42 |
| 1,2-Dichloroethane | | < 200 | ug/L | | 6/9/2015 | 08:42 |
| 1,2-Dichloropropane | | < 200 | ug/L | | 6/9/2015 | 08:42 |
| 1,3-Dichlorobenzene | | < 200 | ug/L | | 6/9/2015 | 08:42 |
| 1,4-Dichlorobenzene | | < 200 | ug/L | | 6/9/2015 | 08:42 |
| 2-Butanone | | < 1000 | ug/L | | 6/9/2015 | 08:42 |
| 2-Chloroethyl vinyl Eth | er | < 1000 | ug/L | | 6/9/2015 | 08:42 |
| 4-Methyl-2-pentanone | | < 500 | ug/L | | 6/9/2015 | 08:42 |
| Acetone | | < 1000 | ug/L | | 6/9/2015 | 08:42 |
| Benzene | | < 70.0 | ug/L | | 6/9/2015 | 08:42 |
| Bromodichloromethan | е | < 200 | ug/L | | 6/9/2015 | 08:42 |
| Bromoform | | < 500 | ug/L | | 6/9/2015 | 08:42 |
| Bromomethane | | < 200 | ug/L | | 6/9/2015 | 08:42 |
| Carbon Tetrachloride | | < 200 | ug/L | | 6/9/2015 | 08:42 |
| Chlorobenzene | | < 200 | ug/L | | 6/9/2015 | 08:42 |
| Chloroethane | | < 200 | ug/L | | 6/9/2015 | 08:42 |
| Chloroform | | < 200 | ug/L | | 6/9/2015 | 08:42 |
| Chloromethane | | < 200 | ug/L | | 6/9/2015 | 08:42 |
| cis-1,3-Dichloropropen | e | < 200 | ug/L | | 6/9/2015 | 08:42 |
| Dibromochloromethan | e | < 200 | ug/L | | 6/9/2015 | 08:42 |
| Ethylbenzene | | < 200 | ug/L | | 6/9/2015 | 08:42 |
| Methylene chloride | | < 500 | ug/L | | 6/9/2015 | 08:42 |
| Tetrachloroethene | | < 200 | ug/L | | 6/9/2015 | 08:42 |
| Toluene | | < 200 | ug/L | | 6/9/2015 | 08:42 |
| trans-1,2-Dichloroethe | ne | < 200 | ug/L | | 6/9/2015 | 08:42 |
| trans-1,3-Dichloroprop | ene | < 200 | ug/L | | 6/9/2015 | 08:42 |
| Trichloroethene | | < 200 | ug/L | | 6/9/2015 | 08:42 |
| Vinyl chloride | | 724 | ug/L | | 6/9/2015 | 08:42 |

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| Client: | <u>City of Rocheste</u> | er | | | | |
|-----------------------|-------------------------|------------------|---------------|-----------------|------------|-------|
| Project Reference: | RFA Quarterly Sa | mpling DEQ-98045 | | | | |
| Sample Identifier: | Influent | | | | | |
| Lab Sample ID: | 152140-02 | | Dat | e Sampled: | 5/29/2015 | |
| Matrix: | Wastewater | | Dat | e Received: | 5/29/2015 | |
| Surrogate | | Percent Recovery | Limits | <u>Outliers</u> | Date Analy | yzed |
| 1,2-Dichloroethane-d4 | 1 | 116 | 82.3 - 115 | | 6/9/2015 | 08:42 |
| 4-Bromofluorobenzen | e | 92.3 | 85.5 - 111 | | 6/9/2015 | 08:42 |
| Pentafluorobenzene | | 107 | 91.2 - 107 | | 6/9/2015 | 08:42 |
| Toluene-D8 | | 95.5 | 90.9 - 108 | | 6/9/2015 | 08:42 |
| Method Referen | ace(s): EPA 624 | | | | | |
| Data File: | x23498.D | | | | | |

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Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"*J*" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns. "NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted. "(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

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GENERAL TERMS AND CONDITIONS LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, tern or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

| Warranty. | Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied. |
|------------------------------|--|
| Scope and Compensation. | LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order. Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required. |
| Prices. | Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees. |
| Limitations of Liability. | In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re- perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services. LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results. All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB. Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested. |
| Hazard Disclosure. | Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws. |
| Sample Handling. | Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report. Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples. LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis. |
| Legal Responsibility. | LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence. |
| Assignment. | LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report. |
| Force Majeure. | LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control. |
| Law. | This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision. |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt. Page 11 of 14

| litions. | See additional page for sample conditions. | See | | | | | <u>~</u> | SI | 51 | 291 | 15 | 14 °C 5/29/15 15:31 | please indicate: | please | | licate: | please indicate: | | please indicate: | ğ |
|------------------------------------|---|--------------------------|----------|--------------------|---|------------------------------|--------------------|---|----------|-----------|--------------------------------|---|---|--|---|---------|------------------|---|----------------------------------|---------------------------------------|
| | | ľ | Time | Date/Time | _ | | | | ſ | ab By | Received @ Lab By | Receiv | Other EDD | Other | | | Other | × | Other | 0 |
| | 1<,27 | n | | | \wedge | | | | 4 | Ē | | | | | | | | | Rush 1 day | D |
| | 15-28 15-28 | 210 | 126 | K. | | P | Ŕ | Pel | Z | 5 | | | | | | iy B | Category B | | Rush 2 day | P |
| | | | Time | - <u>0</u> r | | | | F | ĸ | By | Jished | Belinquished By | | | П | iry A | Category A | | Rush 3 day | D |
| | Total Cost: | ul . | ate/Time | | ر» _ | \mathcal{W} | O_{ℓ} | 71 | 2 | CM | 2 | Sampled By | Basic EDD | Basic | П | S | Batch QC | | Standard 5 day | S |
| | | 15 | 5/291 | 5 | | ľ | 5 | 16 | M | MNIS | EM. | ľ. | nay apply. | onal fees n | oval; additio | ab appr | it upon la | Availability contingent upon lab approval; additional fees may apply. | Availabili | 1 |
| | N | <u> </u> | |) | | $(\)$ | | IJ | | | J | 1 | nts | uppleme | Report Supplements | | | d Time | Turnaround Time | |
| | | | | ╞ | Ľ | ┝ | F | ╞ | | | | | | | | - | ŀ | | | Γ. |
| | | | | _ | | | Ţ | | _ | \neg | | | | | | | | | 10 | - 10 |
| | Alkalinity sample with No headspace | ₽ | | + | | + | | | _ | | | | | | | | | | | ο |
| | As, Cd, Cr, Cu, Pb, Ni, Se, Zn | Ą | | - | | | | _ | | | | | | | | | | | | 8 |
| | Metals list: | M | | | | | | | | | | | | | | | | | | |
| | 4 Methylphenol (p cresol) | 4 | | | | | | | | | | | | | | | | | | 0 |
| | Bis (2-ehtylhexyl) phthalate | Bi | | | | | | | | | | | | | | | | | | G |
| | Diethyl phthalate | D. | | | | | | | | | | | | | | | | | | 4 |
| | SVOA List: | \S | | | | | | - | ŝ | 69.5/2011 | U | Pr 136 | | | | | | 7 | | ω |
| <i>د</i> ہ | 625 Site Specific = SMISC | <u> 2</u> 9 | | × | × | ×× | × | × | | 7 | Water | ~ . | | | Influent | × | | 1435 | 5/29/2015 | N |
| 0 | 624 Site Specific =VRFA Test Name | 39 | | | | | | × × | | 6 | Water | r S | ÷ | | Effluent | × | | 1500 | 5/29/2015 | 1 |
| PARADIGM LAB SAMPLE NUMBER | PEMARKS | | | Hardness | Alkalinity | Metals* <i>w HNO</i> 3 pH | 608 Pesticides | 624 Site Specific / 625 Site Specific | | no nmwzcz | ドトドーメ マロロビシ | | SAMPLE IDENTIFIER | SAM | | מב∢מ | m⊣-00ī≅00 | TIME | DATE COLLECTED | · · · · · · · · · · · · · · · · · · · |
| | | | SIS | REQUESTED ANALYSIS | AN | STEL | | REC | Iri | | | | | | | | | | | 1933 |
| OL - Oil AR - Air | SD - Solid WP - Wipe PT - Paint CK - Caulk | SO - Soil SL - Sludge | sr so | | DW - Drinking Water WW - Wastewater | nking 3stewa | r - Dríi V - Wa | | | vater | WA - Water WG - Groundwater | WA - | Codes: AQ - Aqueous Liquid NQ - Non-Aqueous Liquid | odes: } - Aqueous } - Non-Aqu | Matrix Codes: AQ - Aque NQ - Non- | 98045 | J DEQ- | ' Sampling | RFA Quarterly Sampling DEQ-98045 | |
| | peckd@cityofrochester.gov | | | | | | | | | ATTN: | | | ck | Dennis Peck | ATTN: De | | RENCE | PROJECT REFERENCE | PROJE | |
| | Email: | | | | | | | | ΥĒ | PHONE | | | | 428-6884 | | | | | | 1 |
| | Quotation #: | ZIP: | | ų | STATE: | | | | | | 14614 | ZIP | STATE: NY | Rochester | CITY: Ro | | | (| ľ | |
| | 041651 | | | | | | | | ADDRESS: | ADDF | | n 300B | 30 Church Street, Room 300B | 30 Chu | ADDRESS: | | | | | |
| | | | | | | III | | | NT: | CLIENT: | and the second second | i de la comencia de l La comencia de la come | chester | City of Rochester | CLIENT: Ci | | | RADIGM | T P | |
| | | | | 5 | 2 | | | | | | | | | | | | | | • | |
| - | | | | - ٩ | R | 0 | <u>rs</u> i | CUSTOD | Ĩ | 0 | CHAIN OF | CH | | | | | | | | |
| | _ | 47-331 | 585) 6 | Fax (; | 2530 | 647-; | (585) | Office | 806 | VY 146 | ıester, N | nue, Roch | 179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311 | | | | | | | |

P



Chain of Custody Supplement

| Client: | - | City of Ruchester | Completed by: | Glenn Pezzulo |
|--|-----------------------|--|----------------------------------|------------------|
| Lab Project ID: | | 152140 | Date: | 5/29/15 |
| | | Sample Condition Per NELAC/ELAP 210 | | |
| Condition | NE | LAC compliance with the sample co Yes | ondition requirements upor No | n receipt N/A |
| Container Type _. Com | nments _ | | | |
| Transferred to method- compliant container | | | | |
| Headspace (<1 mL) ·Com | nments | Aik | · · · | |
| Preservation Com | nments | Menls VOA | | |
| Chlorine Absent (<0.10 ppm per test sl Com | - strip) nments | VOA: CI-NY | | |
| Holding Time | nments _ | | . <u> </u> | |
| Temperature . Com | nments | 14°C | | [X]men ls |
| Sufficient Sample Qua Com | antity nments | | · · · | |
| | - | | | |

20F2

| | | | | 179 Lake Avenu | e, Rochester, NY | 179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311 |) Fax (585) 647-3311 | | |
|---|------------------------|-------------|-------------------|--------------------------|--|---|-------------------------------|---------------------------------|-------------------------------|
| | | | | CHA | VIN OF (| CHAIN OF CUSTODY | ADIRC | NDACK: | ELAP ID: 10709 |
| | | i i | | REPORT TO: | are finded to be been defined | INVOICE TO: | | | of 14 |
| KNO. | | | COMPANY: | Paradigm Environmental | | COMPANY: Same | | LAB PROJECT #: | CLIENT PROJECT #: |
| | | | ADDRESS: | | | ADDRESS: | | | |
| | | | CITY: | STATE: | ZIP: | CITY: | STATE: ZIP: | TURNAROUND TIME: (WORKING DAYS) | _ |
| | Salution Street Street | | PHONE: | FAX: | | PHONE: F | FAX: | | STD OTHER |
| PROJECT NAME/SITE NAME: | WE: | | ATTN: | Kate Hansen | | ATTN: Meridith Dillman | 2 | 1 2 | U1 |
| | | | COMMENTS: | | khansen@par | Please email results to khansen@paradigmenv.com and reporting@paradigmenv.com | rting@paradigmenv | Date Due | 9 |
| and prove that the second se | | | | | A start of the sta | REQUESTED ANALYSIS | NALYSIS | | to be a province where a |
| | | ≤ O N | , | | M | zon | | | |
| r DATE | TIME | ш с о с : | ט ג א מ שר א מ | SAMPLE LOCATION/FIELD ID | ע ד ק - X | Alkalinit | | REMARKS | PARADIGM LAB SAMPLE NUMBER |
| 1 S/2=1/15 1 | 14:25 | | × | E0-071851 | ٤ | | | COI | |
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| 9 | | | | | | | | | |
| 10 | | | | | | | | • | |
| **LAB USE ONLY BELOW THIS LINE** | LY BEL | OW THIS LIN | | | | | | | |
| R | Receipt Parameter | rameter | | NELAC Compliance | | | | | |
| Comments: | Container, Type: | | | Y V N | Client Sampled By | | Date/Time | Total Cost | ost: |
| Comments: | Preservation: | ion; | | Y Z N | Relinquished By | | <u>6/1/15 /6</u> Date/Time | 6:00 | |
| Comments: | Holding Time: | ime: | | Y 🗐 🗌 | Received By | | Date/Time | P.I.F. | |
| Comments- | Temperature: | ure: 口 o C | | Y Z. N | K. NULLU | Lille | 10-2-KS | 9:584 | |
| | | | | | (| | | | |



Analytical Report For

City of Rochester

For Lab Project ID

152513

Referencing

RFA Monthly Sampling DEQ-98045

Prepared

Thursday, July 02, 2015

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Thursday, July 02, 2015



| Client: | <u>City of Rochester</u> | | |
|--------------------|--------------------------------|----------------|-----------|
| Project Reference: | RFA Monthly Sampling DEQ-98045 | | |
| Sample Identifier: | Effluent | | |
| Lab Sample ID: | 152513-01 | Date Sampled: | 6/19/2015 |
| Matrix: | Water | Date Received: | 6/19/2015 |

<u>рН</u>

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
|---------|---------------|--------------|------------------|----------------------|
| рН | 8.15 @ 21.7 C | S.U. | | 6/19/2015 15:21 |

Method Reference(s): SM 4500 H+ B

ELAP does not offer this test for approval as part of their laboratory certification program.

Volatile Organics

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier Date | e Analyzed |
|---------------------------|---------------|--------------|----------------|-------------|
| 1,1,1-Trichloroethane | 338 | ug/L | 6/30/ | /2015 16:31 |
| 1,1,2,2-Tetrachloroethane | < 5.00 | ug/L | 6/30/ | /2015 16:31 |
| 1,1,2-Trichloroethane | < 5.00 | ug/L | 6/30/ | /2015 16:31 |
| 1,1-Dichloroethane | 67.2 | ug/L | 6/30/ | /2015 16:31 |
| 1,1-Dichloroethene | 8.40 | ug/L | 6/30/ | /2015 16:31 |
| 1,2-Dichlorobenzene | < 5.00 | ug/L | 6/30/ | /2015 16:31 |
| 1,2-Dichloroethane | < 5.00 | ug/L | 6/30/ | /2015 16:31 |
| 1,2-Dichloropropane | < 5.00 | ug/L | 6/30/ | /2015 16:31 |
| 1,3-Dichlorobenzene | < 5.00 | ug/L | 6/30/ | /2015 16:31 |
| 1,4-Dichlorobenzene | < 5.00 | ug/L | 6/30/ | /2015 16:31 |
| 2-Butanone | 70.2 | ug/L | 6/30/ | /2015 16:31 |
| 2-Chloroethyl vinyl Ether | < 25.0 | ug/L | 6/30/ | /2015 16:31 |
| 4-Methyl-2-pentanone | < 12.5 | ug/L | 6/30/ | /2015 16:31 |
| Acetone | 66.9 | ug/L | 6/30/ | /2015 16:31 |
| Benzene | < 2.50 | ug/L | 6/30/ | /2015 16:31 |
| Bromodichloromethane | < 5.00 | ug/L | 6/30/ | /2015 16:31 |
| Bromoform | < 12.5 | ug/L | 6/30/ | /2015 16:31 |
| Bromomethane | < 5.00 | ug/L | 6/30/ | /2015 16:31 |
| Carbon Tetrachloride | < 5.00 | ug/L | 6/30/ | /2015 16:31 |
| Chlorobenzene | < 5.00 | ug/L | 6/30/ | /2015 16:31 |
| Chloroethane | 8.05 | ug/L | 6/30/ | /2015 16:31 |
| Chloroform | < 5.00 | ug/L | 6/30/ | /2015 16:31 |
| Chloromethane | < 5.00 | ug/L | 6/30/ | /2015 16:31 |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt. Page 2 of 7

Report Prepared Thursday, July 02, 2015



| Client: | <u>City of Roch</u> | <u>ester</u> | | | | | |
|------------------------------|--------------------------|--------------|----------------|---------------|-----------------|-------------------|-------|
| Project Reference: | RFA Monthly | Sampling | g DEQ-98045 | | | | |
| Sample Identifier: | Effluent | | | | | | |
| Lab Sample ID: | 152513-01 | | | Dat | e Sampled: | 6/19/2015 | |
| Matrix: | Water | | | Dat | e Received: | 6/19/2015 | |
| cis-1,3-Dichloroprope | ne | < 5.00 | ug/L | | | 6/30/2015 | 16:31 |
| Dibromochlorometha | ne | < 5.00 | ug/L | | | 6/30/2015 | 16:31 |
| Ethylbenzene | | < 5.00 | ug/L | | | 6/30/2015 | 16:31 |
| Methylene chloride | | < 12.5 | ug/L | | | 6/30/2015 | 16:31 |
| Tetrachloroethene | | < 5.00 | ug/L | | | 6/30/2015 | 16:31 |
| Toluene | | 7.26 | ug/L | | | 6/30/2015 | 16:31 |
| trans-1,2-Dichloroeth | ene | < 5.00 | ug/L | | | 6/30/2015 | 16:31 |
| trans-1,3-Dichloropro | pene | < 5.00 | ug/L | | | 6/30/2015 | 16:31 |
| Trichloroethene | | < 5.00 | ug/L | | | 6/30/2015 | 16:31 |
| Vinyl chloride | | 22.7 | ug/L | | | 6/30/2015 | 16:31 |
| <u>Surrogate</u> | | <u>Pe</u> | rcent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| 1,2-Dichloroethane-d4 | 4 | | 118 | 82.3 - 115 | * | 6/30/2015 | 16:31 |
| 4-Bromofluorobenzen | ie | | 91.8 | 85.5 - 111 | | 6/30/2015 | 16:31 |
| Pentafluorobenzene | | | 100 | 91.2 - 107 | | 6/30/2015 | 16:31 |
| Toluene-D8 | | | 96.0 | 90.9 - 108 | | 6/30/2015 | 16:31 |
| Method Referer Data File: | ace(s): EPA 62 x24231 | | | | | | |

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Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard. sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns. "NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted. "(1)" = Indicates data from primary column used for QC calculation.

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GENERAL TERMS AND CONDITIONS LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

| and interpreted under | the laws of the state which services are procured. |
|------------------------------|--|
| Warranty. | Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied. |
| Scope and Compensation. | LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order. |
| | Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required. |
| Prices. | Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees. |
| Limitations of Liability. | In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re- perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services. LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results. All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB. Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or |
| Hazard Disclosure. | disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of |
| | the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws. |
| Sample Handling. | Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report. Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples. LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis. |
| Legal Responsibility. | LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence. |
| Assignment. | LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report. |
| Force Majeure. | LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control. |
| Law. | This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision. |

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| | Other X Other please indicate: 10 | | Rush 2 day Category B | Rush 3 day Category A | Standard 5 day Batch QC | Availability contingent upon lab approval; additional fees may apply. | Turnaround Time | | 10 | 9 | 8 | 7 | 6 | Сл — | 4 | 3 | 1 6/19/2015 /2 cm X | DATE COLLECTED TIME O G | | RFA Monthly Sampling DEQ-98045 | PROJECT REFERENCE | | | | PARADIGM | р. Г | | |
|--|-----------------------------------|-----------------------|-----------------------|-----------------------|--|---|--------------------|-----|-------------------|---|---|---|---|---------|---|---|-----------------------------------|----------------------------------|--------------------|---|---------------------------|-----------------|---------------------------|--------------------------------------|---------------------------|-------------|------------------|---|
| | Dther EDD please indicate: | | | | Basic EDD | proval; additional fees may apply. | Report Supplements | | | | | | | | | | Effluent | SAMPLE IDENTIFIER | | 5 AQ - Aqueous Liquid NQ - Non-Aqueous Liquid | ATTN: Dennis Peck | PHONE: 428-6884 | CITY: Rochester STATE: NY | ADDRESS: 30 Church Street, Room 300B | CLIENT: City of Rochester | REPORT TO: | | 179 Lake Av |
| | Received @ Lab By | Récéived By Date/Time | rechtelora . | , <u>=</u> [| st 5//9 month march | 1231 CIM | | 2 | | | | | | | | | water ³ X X | ×-лч> | REQUESTED ANALYSIS | WA - Water DW - Drinking Water SO WG - Groundwater WW - Wastewater SL - | ATTN: | PHONE: | ZIP 14614 | ADDRESS: | | INVOICE TO: | CHAIN OF CUSTODY | 179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311 |
| See additional page for sample conditions. | | | 115 1400 | | - 1400 Inna Lova - Lova | Tatal Cast | | 420 | 23°C KRH 10/19/15 | | | | | | | | 624 Site Specific =VRFA Test Name | PARADIGM LAB SAMPLE NUMBER | | SO - Soil SD - Solid WP - Wipe OL - Oil SL - Sludge PT - Paint CK - Caulk AR - Air | peckd@cityofrochester.gov | Email: | ZIP: Quotation #: | | | | | 47-3311 |
| | | | | _ | | | - | | | | | | | | | | | | | | |] | Page | e 6 o | of 7 | | 1 | つ |



Chain of Custody Supplement

| Client: Lab Project ID | | CDR 152513 | Completed by: | KRH |
|--|-------------------------------|-------------------------------------|------------------|--------------|
| had i rojece in | | Sample Condition | Requirements | |
| r | | | | |
| | N | ELAC compliance with the sample con | | receipt |
| Condition | | Yes | <u>No</u> | <u>N/A</u> |
| Container Type | Comments | P2,2V | | |
| Transferred to met compliant containe | | | | \downarrow |
| Headspace (<1 mL) | Comments | | | |
| Preservation | Comments | VOOL HCL | | PH |
| Chlorine Absent (<0.10 ppm per t | | VoA: CI neg | | D PH |
| Holding Time | Comments | NDA | * PH | |
| Temperature | Comments | 23°C | Å | |
| Sufficient Sampl | e Quantity Comments | | | |
| | | | | |



Analytical Report For

City of Rochester

For Lab Project ID

152988

Referencing

RFA Monthly Sampling DEQ-98045 Prepared Wednesday, July 29, 2015

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

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| Client: | <u>City of Rochester</u> | | |
|--------------------|--------------------------------|----------------|-----------|
| Project Reference: | RFA Monthly Sampling DEQ-98045 | | |
| Sample Identifier: | Effluent | | |
| Lab Sample ID: | 152988-01 | Date Sampled: | 7/17/2015 |
| Matrix: | Water | Date Received: | 7/17/2015 |

<u>рН</u>

| <u>Analyte</u> | | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
|----------------|----------------------|-------------------------|--------------|------------------|----------------------|
| pН | | 7.99 @ 21.3 C | S.U. | | 7/17/2015 14:43 |
| | Method Reference(s): | SM 4500 H+ B / EPA 9040 | | | |

ELAP does not offer this test for approval as part of their laboratory certification program.

Volatile Organics

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier | Date Analy | vzed |
|---------------------------|---------------|--------------|-----------|------------|-------|
| 1,1,1-Trichloroethane | 159 | ug/L | | 7/29/2015 | 09:42 |
| 1,1,2,2-Tetrachloroethane | < 5.00 | ug/L | | 7/29/2015 | 09:42 |
| 1,1,2-Trichloroethane | < 5.00 | ug/L | | 7/29/2015 | 09:42 |
| 1,1-Dichloroethane | 59.7 | ug/L | | 7/29/2015 | 09:42 |
| 1,1-Dichloroethene | < 5.00 | ug/L | | 7/29/2015 | 09:42 |
| 1,2-Dichlorobenzene | < 5.00 | ug/L | | 7/29/2015 | 09:42 |
| 1,2-Dichloroethane | < 5.00 | ug/L | | 7/29/2015 | 09:42 |
| 1,2-Dichloropropane | < 5.00 | ug/L | | 7/29/2015 | 09:42 |
| 1,3-Dichlorobenzene | < 5.00 | ug/L | | 7/29/2015 | 09:42 |
| 1,4-Dichlorobenzene | < 5.00 | ug/L | | 7/29/2015 | 09:42 |
| 2-Butanone | 60.7 | ug/L | | 7/29/2015 | 09:42 |
| 2-Chloroethyl vinyl Ether | < 25.0 | ug/L | | 7/29/2015 | 09:42 |
| 4-Methyl-2-pentanone | < 12.5 | ug/L | | 7/29/2015 | 09:42 |
| Acetone | 51.9 | ug/L | | 7/29/2015 | 09:42 |
| Benzene | < 2.50 | ug/L | | 7/29/2015 | 09:42 |
| Bromodichloromethane | < 5.00 | ug/L | | 7/29/2015 | 09:42 |
| Bromoform | < 12.5 | ug/L | | 7/29/2015 | 09:42 |
| Bromomethane | < 5.00 | ug/L | | 7/29/2015 | 09:42 |
| Carbon Tetrachloride | < 5.00 | ug/L | | 7/29/2015 | 09:42 |
| Chlorobenzene | < 5.00 | ug/L | | 7/29/2015 | 09:42 |
| Chloroethane | 6.43 | ug/L | | 7/29/2015 | 09:42 |
| Chloroform | < 5.00 | ug/L | | 7/29/2015 | 09:42 |
| Chloromethane | < 5.00 | ug/L | | 7/29/2015 | 09:42 |

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| Client: | <u>City of Roche</u> | <u>ester</u> | | | | | |
|------------------------------|---------------------------|--------------|-----------------|---------------|-----------------|-------------------|-------|
| Project Reference: | RFA Monthly | Samplin | g DEQ-98045 | | | | |
| Sample Identifier: | Effluent | | | | | | |
| Lab Sample ID: | 152988-01 | | | Dat | e Sampled: | 7/17/2015 | |
| Matrix: | Water | | | Dat | e Received: | 7/17/2015 | |
| cis-1,3-Dichloroprope | ne | < 5.00 | ug/L | | | 7/29/2015 | 09:42 |
| Dibromochlorometha | ne | < 5.00 | ug/L | | | 7/29/2015 | 09:42 |
| Ethylbenzene | | < 5.00 | ug/L | | | 7/29/2015 | 09:42 |
| Methylene chloride | | < 12.5 | ug/L | | | 7/29/2015 | 09:42 |
| Tetrachloroethene | | < 5.00 | ug/L | | | 7/29/2015 | 09:42 |
| Toluene | | < 5.00 | ug/L | | | 7/29/2015 | 09:42 |
| trans-1,2-Dichloroeth | ene | < 5.00 | ug/L | | | 7/29/2015 | 09:42 |
| trans-1,3-Dichloropro | pene | < 5.00 | ug/L | | | 7/29/2015 | 09:42 |
| Trichloroethene | | < 5.00 | ug/L | | | 7/29/2015 | 09:42 |
| Vinyl chloride | | 16.7 | ug/L | | | 7/29/2015 | 09:42 |
| <u>Surrogate</u> | | <u>P</u> (| ercent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| 1,2-Dichloroethane-d4 | 1 | | 103 | 81.1 - 116 | | 7/29/2015 | 09:42 |
| 4-Bromofluorobenzen | e | | 93.2 | 82.3 - 113 | | 7/29/2015 | 09:42 |
| Pentafluorobenzene | | | 100 | 91.1 - 110 | | 7/29/2015 | 09:42 |
| Toluene-D8 | | | 98.7 | 91.4 - 106 | | 7/29/2015 | 09:42 |
| Method Referen Data File: | ace(s): EPA 624 x25005 | | | | | | |

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Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard. sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns. "NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted. "(1)" = Indicates data from primary column used for QC calculation.

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GENERAL TERMS AND CONDITIONS LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

| and interpreted under | the laws of the state which services are procured. |
|------------------------------|--|
| Warranty. | Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied. |
| Scope and Compensation. | LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order. |
| | Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required. |
| Prices. | Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees. |
| Limitations of Liability. | In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re- perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services. LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results. All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB. Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or |
| Hazard Disclosure. | disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of |
| | the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws. |
| Sample Handling. | Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report. Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples. LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis. |
| Legal Responsibility. | LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence. |
| Assignment. | LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report. |
| Force Majeure. | LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control. |
| Law. | This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision. |

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| Turnaround Time Report Supplements Availability contingent upon lab approval; additional fees may apply. Standard 5 day Batch QC Rush 3 day Category A Rush 2 day Category B Rush 1 day Category B Other Other 10 Dease indicate: | 0 5 4 3 2 0 8 7 6 5 4 10 1 1 1 1 1 | DATE COLLECTED COLLECTED S B 1 7/17/2015 | | PROJECT REFERENCE | PARADIGM | |
|---|--|---|--|--------------------------------------|--|--|
| | | sample identifier | Matrix Codes: AQ - Aqueous Liquid NQ - Non-Aqueous Liquid W | PHONE: 428-6884 ATTN: Dennis Peck | CLIENT: City of Rochester ADDRESS: 30 Church Street, Room 300B CITY: Rochester STATE: NY ZIP | |
| Sampled By Date/Time Relinguished By Date/Time Received By Date/Time Received @ Lab By Date/Time $2/1 \circ C 7/17/15 (3:13)$ | | ξη × - x - τ ω m o x m o c ω m o x m o c ω x - x - x × 624 Site Sp × pH | DW - Drinking Water WW - Wastewater REQUESTED ANALYS | PHONE: ATTN: | CLIENT: ADDRESS: 14614 CITV: | 179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311 CHAIN OF CUSTODY |
| $\frac{17/5}{\text{Time}} \qquad \text{Total Cost} \qquad $ | | REMARKS 624 Site Specific =VRFA Test Name | O - Soil SD - Solid WP - Wipe L - Sludge PT - Paint CK - Caulk | Email: peckd@cityofrochester.gov | LAB PROJECT ID . / らるのとの . / らるのとの ZIP: Quotation #: | 5) 647-3311 |
| ditions. | | NUMBER | OL - Oil AR - Air | | | í ct |

3-5 V



ş

Chain of Custody Supplement

| Client: | City of Rochester | Completed by: | Glenn Pezzulo |
|---|---|--------------------------|-------------------|
| Lab Project ID: | 152988 | Date: | 7/17/15 |
| | Sample Condition Red Per NELAC/ELAP 210/241/ | | |
| N | ELAC compliance with the sample conditi Yes | on requirements up No | on receipt N/A |
| Container Type | | | |
| Comments | | | |
| Transferred to method- compliant container | | | |
| Headspace (<1 mL) Comments | Vo A | | |
| Preservation Comments | | | |
| Chlorine Absent (<0.10 ppm per test strip) Comments | 624 VOA: C/ Neg | | |
| Holding Time Comments | | PH | |
| Temperature Comments | 2^{3} | Γ χ | |
| Sufficient Sample Quantity Comments | | | |
| | | | |



Analytical Report For

City of Rochester

For Lab Project ID

153519

Referencing

RFA Quarterly sampling DEQ - 98045 *Prepared* Tuesday, September 01, 2015

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

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| Client: | <u>City of I</u> | <u>Rochester</u> | | | |
|---|------------------|-----------------------------------|--------------|----------------|----------------------|
| Project Reference: | RFA Qua | arterly sampling D | EQ - 98045 | | |
| Sample Identifier: | Effluen | t | | | |
| Lab Sample ID: | 153519 | 9-01 | | Date Sampled: | 8/21/2015 |
| Matrix: | Water | | | Date Received: | 8/21/2015 |
| <u>Metals</u> | | | | | |
| <u>Analyte</u> | | Result | <u>Units</u> | Qualifier | Date Analyzed |
| Arsenic | | 0.0115 | mg/L | D | 8/25/2015 17:44 |
| Cadmium | | < 0.00250 | mg/L | | 8/24/2015 19:22 |
| Chromium | | < 0.00500 | mg/L | | 8/24/2015 19:22 |
| Copper | | < 0.0125 | mg/L | | 8/24/2015 19:22 |
| Lead | | < 0.00500 | mg/L | | 8/25/2015 17:44 |
| Nickel | | < 0.0200 | mg/L | | 8/24/2015 19:22 |
| Selenium | | 0.00750 | mg/L | D | 8/25/2015 17:44 |
| Zinc | | < 0.0300 | mg/L | | 8/24/2015 19:22 |
| Method Reference Preparation Date Data File: <u>Chlorinated Pestic</u> | e: | EPA 200.7 8/21/2015 082515c | | | |
| <u>Analyte</u> | | Result | <u>Units</u> | Qualifier | Date Analyzed |
| 4,4-DDD | | < 0.100 | ug/L | | 8/26/2015 14:40 |
| 4,4-DDE | | < 0.100 | ug/L | | 8/26/2015 14:40 |
| 4,4-DDT | | < 0.100 | ug/L | | 8/26/2015 14:40 |
| Aldrin | | < 0.100 | ug/L | | 8/26/2015 14:40 |
| alpha-BHC | | < 0.100 | ug/L | | 8/26/2015 14:40 |
| beta-BHC | | < 0.100 | ug/L | | 8/26/2015 14:40 |
| cis-Chlordane | | < 0.100 | ug/L | | 8/26/2015 14:40 |
| delta-BHC | | < 0.100 | ug/L | | 8/26/2015 14:40 |
| Dieldrin | | < 0.100 | ug/L | | 8/26/2015 14:40 |
| Endosulfan I | | < 0.100 | ug/L | | 8/26/2015 14:40 |
| Endosulfan II | | < 0.100 | ug/L | | 8/26/2015 14:40 |
| Endosulfan Sulfate | | < 0.100 | ug/L | | 8/26/2015 14:40 |
| Endrin | | < 0.100 | ug/L | | 8/26/2015 14:40 |
| Endrin Aldehyde | | < 0.100 | ug/L | | 8/26/2015 14:40 |
| gamma-BHC (Lindane) | | < 0.100 | ug/L | | 8/26/2015 14:40 |
| Heptachlor | | < 0.100 | ug/L | | 8/26/2015 14:40 |

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| <u>City of Roche</u> | <u>ster</u> | | | - | | |
|----------------------|--|--|--|--|---|--|
| RFA Quarterly | v sampling | DEQ - 98045 | | | | |
| Effluent | | | | | | |
| 153519-01 | | | Date | e Sampled: | 8/21/2015 | |
| Water | | | Date | e Received: | 8/21/2015 | |
| | < 0.100 | ug/L | | | 8/26/2015 | 14:40 |
| | < 0.100 | ug/L | | | 8/26/2015 | 14:40 |
| | < 1.00 | ug/L | | | 8/26/2015 | 14:40 |
| | < 0.100 | ug/L | | | 8/26/2015 | 14:40 |
| | <u>Perc</u> | ent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| .) | | 78.9 | 38.2 - 137 | | 8/26/2015 | 14:40 |
| (1) | | 45.0 | 3.3 - 102.2 | | 8/26/2015 | 14:40 |
| | | | | | | |
| | | | | | | |
| | <u>Result</u> | <u>Units</u> | | Qualifier | Date Anal | yzed |
| | 7.94 @ 22. | 2 C S.U. | | | 8/27/2015 | 14:25 |
| | | art of their labord | atory certificatior | n program. | | |
| <u>anics</u> | | | | | | |
| | <u>Result</u> | <u>Units</u> | | Qualifier | Date Anal | yzed |
| | < 10.0 | ug/L | | | 8/25/2015 | 21:03 |
| nalate | < 10.0 | ug/L | | | 8/25/2015 | 21:03 |
| | < 10.0 | ug/L | | | 8/25/2015 | 21:03 |
| | Perc | ent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| | | 83.7 | 27.3 - 103 | | 8/25/2015 | 21:03 |
| | | 80.7 | 47.5 - 103 | | 8/25/2015 | 21:03 |
| | | 98.1 | 53.4 - 113 | | 8/25/2015 | 21:03 |
| e: 8/25/20 | 15 | | | | | |
| | | | | | | |
| | <u>Result</u> | <u>Units</u> | | Qualifier | Date Anal | yzed |
| | | | | | | |
| | 110 | ug/L | | | 8/26/2015 | 21:06 |
| ane | 110 < 2.00 | ug/L ug/L | | | 8/26/2015 8/26/2015 | |
| | RFA Quarterly Effluent 153519-01 Water (1) (1) (2) (1) (1) (2) (1) (2) (2) (1) (2) (2) (3) (4) (5) (6) (1) (1) (2) (1) (2) (2) (3) (4) (5) (6) <td>Effluent 153519-01 Water (1) (1) ce(s): EPA 608 ce: 8/26/2015 Result 7.94 @ 22. ce(s): SM 4500 H+ B coffer this test for approval as p anics Result < 10.0 < 10.0 Perce Ce(s): SM 4500 H+ B coffer this test for approval as p anics Result < 10.0 < 10.0 Perce Perce Perce SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): Ce(s): Ce(s)</td> <td>RFA Quarterly sampling DEQ - 98045 Effluent 153519-01 Water < 0.100</td> ug/L < 0.100 | Effluent 153519-01 Water (1) (1) ce(s): EPA 608 ce: 8/26/2015 Result 7.94 @ 22. ce(s): SM 4500 H+ B coffer this test for approval as p anics Result < 10.0 < 10.0 Perce Ce(s): SM 4500 H+ B coffer this test for approval as p anics Result < 10.0 < 10.0 Perce Perce Perce SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): SM 4500 H+ B Coffer this test for approval as p Ce(s): Ce(s): Ce(s) | RFA Quarterly sampling DEQ - 98045 Effluent 153519-01 Water < 0.100 | RFA Quarterly sampling DEQ - 98045 Effluent 153519-01 Date Water < 0.100 ug/L (1) 78.9 $38.2 - 137$ (1) 78.9 $38.2 - 137$ (1) 79.9 $3.3 - 102.2$ ce(s): EPA 608 Sub soffer this test for approval as part of their laboratory certification anics < 10.0 ug/L < 10.0 ug/L < 10.0 < 10.0 ug/L < 10.3 80.7 $27.3 - 103$ 80.7 $53.4 - 113$ ee(s): | RFA Quarterly sampling DEQ - 98045 Effluent 153519-01 Date Sampled: Date Received: Water Outlies 0 ug/L < 0.100 | RFA Quarterly sampling DEQ - 98045 Effluent 153519-01 Date Sampled: 8/21/2015 Water Date Received: 8/26/2015 < 0.100 |

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| Client: | <u>City of Roche</u> | ster | | | | |
|-------------------------|----------------------|------------|---------------|----------------|-----------------|---|
| Project Reference: | RFA Quarterly | / sampling | g DEQ - 98045 | | | |
| Sample Identifier: | Effluent | | | | | |
| Lab Sample ID: | 153519-01 | | | Date Sampled: | 8/21/2015 | |
| Matrix: | Water | | | Date Received: | 8/21/2015 | |
| 1,1-Dichloroethane | | 82.9 | ug/L | | 8/26/2015 21:00 | 6 |
| 1,1-Dichloroethene | | 3.32 | ug/L | | 8/26/2015 21:00 | 6 |
| 1,2-Dichlorobenzene | | < 2.00 | ug/L | | 8/26/2015 21:00 | 6 |
| 1,2-Dichloroethane | | < 2.00 | ug/L | | 8/26/2015 21:00 | 6 |
| 1,2-Dichloropropane | | < 2.00 | ug/L | | 8/26/2015 21:00 | 6 |
| 1,3-Dichlorobenzene | | < 2.00 | ug/L | | 8/26/2015 21:00 | 6 |
| 1,4-Dichlorobenzene | | < 2.00 | ug/L | | 8/26/2015 21:00 | 6 |
| 2-Butanone | | 52.8 | ug/L | | 8/26/2015 21:00 | 6 |
| 2-Chloroethyl vinyl Eth | ner | < 10.0 | ug/L | | 8/26/2015 21:06 | 6 |
| 4-Methyl-2-pentanone | | < 5.00 | ug/L | | 8/26/2015 21:06 | 6 |
| Acetone | | 33.4 | ug/L | | 8/26/2015 21:06 | 6 |
| Benzene | | < 1.00 | ug/L | | 8/26/2015 21:06 | 5 |
| Bromodichloromethan | e | < 2.00 | ug/L | | 8/26/2015 21:00 | 5 |
| Bromoform | | < 5.00 | ug/L | | 8/26/2015 21:00 | 5 |
| Bromomethane | | < 2.00 | ug/L | | 8/26/2015 21:00 | 5 |
| Carbon Tetrachloride | | < 2.00 | ug/L | | 8/26/2015 21:00 | 5 |
| Chlorobenzene | | < 2.00 | ug/L | | 8/26/2015 21:00 | 6 |
| Chloroethane | | 5.08 | ug/L | | 8/26/2015 21:00 | 6 |
| Chloroform | | < 2.00 | ug/L | | 8/26/2015 21:00 | 6 |
| Chloromethane | | < 2.00 | ug/L | | 8/26/2015 21:00 | 6 |
| cis-1,3-Dichloroproper | ıe | < 2.00 | ug/L | | 8/26/2015 21:00 | 6 |
| Dibromochloromethan | ie | < 2.00 | ug/L | | 8/26/2015 21:00 | 6 |
| Ethylbenzene | | < 2.00 | ug/L | | 8/26/2015 21:00 | 6 |
| Methylene chloride | | < 5.00 | ug/L | | 8/26/2015 21:00 | 6 |
| Tetrachloroethene | | < 2.00 | ug/L | | 8/26/2015 21:00 | 6 |
| Toluene | | 3.79 | ug/L | | 8/26/2015 21:00 | 6 |
| trans-1,2-Dichloroethe | ene | < 2.00 | ug/L | | 8/26/2015 21:06 | |
| trans-1,3-Dichloroproj | | < 2.00 | ug/L | | 8/26/2015 21:06 | |
| Trichloroethene | | < 2.00 | ug/L | | 8/26/2015 21:06 | |
| Vinyl chloride | | 12.1 | ug/L | | 8/26/2015 21:00 | |

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| Client: | <u>City of</u> | <u>Rochester</u> | | | | | |
|--------------------------------|----------------|---------------------|-------------------|---------------|-----------------|-------------------|-------|
| Project Reference: | RFA Qu | arterly san | pling DEQ - 98045 | | | | |
| Sample Identifier: | Efflue | nt | | | | | |
| Lab Sample ID: | 15351 | 9-01 | | Dat | e Sampled: | 8/21/2015 | |
| Matrix: | Water | | | Dat | e Received: | 8/21/2015 | |
| Surrogate | | | Percent Recovery | Limits | <u>Outliers</u> | Date Analy | zed |
| 1,2-Dichloroethane-d4 | | | 109 | 81.1 - 116 | | 8/26/2015 | 21:06 |
| 4-Bromofluorobenzene | e | | 87.9 | 82.3 - 113 | | 8/26/2015 | 21:06 |
| Pentafluorobenzene | | | 99.9 | 91.1 - 110 | | 8/26/2015 | 21:06 |
| Toluene-D8 | | | 95.5 | 91.4 • 106 | | 8/26/2015 | 21:06 |
| Method Reference Data File: | ce(s): | EPA 624 x25700.D | | | | | |

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| Client: | <u>City of</u> | <u>Rochester</u> | | | |
|--|---------------------------|-----------------------------------|--------------|---------------------------------|------------------------|
| Project Reference: | RFA Qu | arterly sampling D | EQ - 98045 | | |
| Sample Identifier: Lab Sample ID: Matrix: | Influer 15351 Water | 9-02 | | Date Sampled: Date Received: | 8/21/2015 8/21/2015 |
| <u>Total Alkalinity</u> | | | | | |
| Analyte | | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
| Alkalinity, Total | | 430 | mg/L | - | 8/31/2015 |
| Method Reference Subcontractor E | | SM 2320 B 10142 | | | |
| <u>Total Hardness</u> | | | | | |
| <u>Analyte</u> | | Result | <u>Units</u> | Qualifier | Date Analyzed |
| Hardness, Total | | 625 | mg/L | | 8/24/2015 19:35 |
| Method Reference Preparation Date | | EPA 200.7 8/21/2015 | | | |
| <u>Metals</u> | | | | | |
| <u>Analyte</u> | | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
| Arsenic | | 0.00880 | mg/L | | 8/25/2015 17:57 |
| Cadmium | | < 0.00250 | mg/L | | 8/24/2015 19:35 |
| Chromium | | 2.21 | mg/L | | 8/24/2015 19:35 |
| Copper | | < 0.0125 | mg/L | | 8/24/2015 19:35 |
| Lead | | < 0.00500 | mg/L | | 8/25/2015 17:57 |
| Nickel | | 0.333 | mg/L | | 8/24/2015 19:35 |
| Selenium | | 0.00830 | mg/L | | 8/25/2015 17:57 |
| Zinc | | < 0.0300 | mg/L | | 8/24/2015 19:35 |
| Method Reference Preparation Date Data File: | | EPA 200.7 8/21/2015 082515c | | | |
| Chlorinated Pestic | <u>cides</u> | | | | |
| <u>Analyte</u> | | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
| 4,4-DDD | | < 0.100 | ug/L | | 8/26/2015 16:47 |
| 4,4-DDE | | 0.110 | ug/L | | 8/26/2015 16:47 |
| 4,4-DDT | | < 0.100 | ug/L | | 8/26/2015 16:47 |
| Aldrin | | < 0.100 | ug/L | | 8/26/2015 16:47 |
| alpha-BHC | | < 0.100 | ug/L | | 8/26/2015 16:47 |

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| Client: | <u>City of Roche</u> | <u>ster</u> | | | | | |
|---|----------------------|---------------|--------------------|----------------------|-----------------|------------|-------------|
| Project Reference: | RFA Quarterly | v sampling I | DEQ - 98045 | | | | |
| Sample Identifier: | Influent | | | | | | |
| Lab Sample ID: | 153519-02 | | | Date | e Sampled: | 8/21/2015 | |
| Matrix: | Water | | | Date | e Received: | 8/21/2015 | |
| beta-BHC | | < 0.100 | ug/L | | | 8/26/2015 | 16:47 |
| cis-Chlordane | | < 0.100 | ug/L | | | 8/26/2015 | 16:47 |
| delta-BHC | | < 0.100 | ug/L | | | 8/26/2015 | 16:47 |
| Dieldrin | | < 0.100 | ug/L | | | 8/26/2015 | 16:47 |
| Endosulfan I | | < 0.100 | ug/L | | | 8/26/2015 | 16:47 |
| Endosulfan II | | < 0.100 | ug/L | | | 8/26/2015 | 16:47 |
| Endosulfan Sulfate | | < 0.100 | ug/L | | | 8/26/2015 | 16:47 |
| Endrin | | < 0.100 | ug/L | | | 8/26/2015 | 16:47 |
| Endrin Aldehyde | | < 0.100 | ug/L | | | 8/26/2015 | 16:47 |
| gamma-BHC (Lindane) | | < 0.100 | ug/L | | | 8/26/2015 | 16:47 |
| Heptachlor | | < 0.100 | ug/L | | | 8/26/2015 | 16:47 |
| Heptachlor Epoxide | | < 0.100 | ug/L | | | 8/26/2015 | 16:47 |
| Methoxychlor | | < 0.100 | ug/L | | | 8/26/2015 | 16:47 |
| Toxaphene | | < 1.00 | ug/L | | | 8/26/2015 | 16:47 |
| trans-Chlordane | | < 0.100 | ug/L | | | 8/26/2015 | 16:47 |
| <u>Surrogate</u> | | Perce | <u>nt Recovery</u> | Limits | <u>Outliers</u> | Date Analy | zed |
| Decachlorobiphenyl (1) | | | 73.0 | 38.2 - 137 | | 8/26/2015 | 16:47 |
| Tetrachloro-m-xylene (| 1) | | 36.9 | 3.3 - 102.2 | | 8/26/2015 | 16:47 |
| Method Reference Preparation Date: | | | | | | | |
| <u>pH</u> | | | | | | | |
| <u>Analyte</u> | | <u>Result</u> | <u>Units</u> | | Qualifier | Date Anal | yzed |
| рН | | 7.00 @ 22.5 | C S.U. | | | 8/27/2015 | 14:25 |
| Method Reference <i>ELAP does not c</i> | | | rt of their laboi | ratory certificatior | n program. | | |
| <u>Volatile Organics</u> | | | | | | | |
| <u>Analyte</u> | | <u>Result</u> | <u>Units</u> | | Qualifier | Date Anal | <u>yzed</u> |

| <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
|---------------|-------------------------------|-----------------------------------|---------------------------|
| 6080 | ug/L | | 8/26/2015 21:29 |
| < 200 | ug/L | | 8/26/2015 21:29 |
| < 200 | ug/L | | 8/26/2015 21:29 |
| 4520 | ug/L | | 8/26/2015 21:29 |
| | 6080 < 200 < 200 | 6080 ug/L < 200 | 6080 ug/L < 200 |

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Report Prepared Tuesday, September 01, 2015



| Client: | <u>City of Roche</u> | <u>ster</u> | | | | |
|-------------------------|----------------------|-------------|-------------|----------------|-----------|-------|
| Project Reference: | RFA Quarterly | v sampling | DEQ - 98045 | | | |
| Sample Identifier: | Influent | | | | | |
| Lab Sample ID: | 153519-02 | | | Date Sampled: | 8/21/2015 | |
| Matrix: | Water | | | Date Received: | 8/21/2015 | |
| 1,1-Dichloroethene | | < 200 | ug/L | | 8/26/2015 | 21:29 |
| 1,2-Dichlorobenzene | | < 200 | ug/L | | 8/26/2015 | 21:29 |
| 1,2-Dichloroethane | | < 200 | ug/L | | 8/26/2015 | 21:29 |
| 1,2-Dichloropropane | | < 200 | ug/L | | 8/26/2015 | 21:29 |
| 1,3-Dichlorobenzene | | < 200 | ug/L | | 8/26/2015 | 21:29 |
| 1,4-Dichlorobenzene | | < 200 | ug/L | | 8/26/2015 | 21:29 |
| 2-Butanone | | < 1000 | ug/L | | 8/26/2015 | 21:29 |
| 2-Chloroethyl vinyl Eth | ner | < 1000 | ug/L | | 8/26/2015 | 21:29 |
| 4-Methyl-2-pentanone | | < 500 | ug/L | | 8/26/2015 | 21:29 |
| Acetone | | < 1000 | ug/L | | 8/26/2015 | 21:29 |
| Benzene | | < 100 | ug/L | | 8/26/2015 | 21:29 |
| Bromodichloromethan | e | < 200 | ug/L | | 8/26/2015 | 21:29 |
| Bromoform | | < 500 | ug/L | | 8/26/2015 | 21:29 |
| Bromomethane | | < 200 | ug/L | | 8/26/2015 | 21:29 |
| Carbon Tetrachloride | | < 200 | ug/L | | 8/26/2015 | 21:29 |
| Chlorobenzene | | < 200 | ug/L | | 8/26/2015 | 21:29 |
| Chloroethane | | 253 | ug/L | | 8/26/2015 | 21:29 |
| Chloroform | | < 200 | ug/L | | 8/26/2015 | 21:29 |
| Chloromethane | | < 200 | ug/L | | 8/26/2015 | 21:29 |
| cis-1,3-Dichloroproper | ne | < 200 | ug/L | | 8/26/2015 | 21:29 |
| Dibromochloromethan | ie | < 200 | ug/L | | 8/26/2015 | 21:29 |
| Ethylbenzene | | < 200 | ug/L | | 8/26/2015 | 21:29 |
| Methylene chloride | | < 500 | ug/L | | 8/26/2015 | 21:29 |
| Tetrachloroethene | | < 200 | ug/L | | 8/26/2015 | 21:29 |
| Toluene | | 595 | ug/L | | 8/26/2015 | 21:29 |
| trans-1,2-Dichloroethe | ene | < 200 | ug/L | | 8/26/2015 | 21:29 |
| trans-1,3-Dichloroprop | pene | < 200 | ug/L | | 8/26/2015 | 21:29 |
| Trichloroethene | | < 200 | ug/L | | 8/26/2015 | 21:29 |
| Vinyl chloride | | 1130 | ug/L | | 8/26/2015 | 21:29 |

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| Client: | <u>City of Ro</u> | <u>ochester</u> | | | | | |
|--------------------------------|-------------------|-------------------|-------------------|---------------|-----------------|-------------------|-------|
| Project Reference: | RFA Quar | terly samp | oling DEQ - 98045 | | | | |
| Sample Identifier: | Influent | | | | | | |
| Lab Sample ID: | 153519- | 02 | | Date | e Sampled: | 8/21/2015 | |
| Matrix: | Water | | | Date | e Received: | 8/21/2015 | |
| Surrogate | | | Percent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| 1,2-Dichloroethane-d4 | | | 108 | 81.1 - 116 | | 8/26/2015 | 21:29 |
| 4-Bromofluorobenzene | 9 | | 87.4 | 82.3 - 113 | | 8/26/2015 | 21:29 |
| Pentafluorobenzene | | | 96.6 | 91.1 - 110 | | 8/26/2015 | 21:29 |
| Toluene-D8 | | | 90.9 | 91.4 - 106 | * | 8/26/2015 | 21:29 |
| Method Reference Data File: | | PA 624 25701.D | | | | | |

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Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard. sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns. "NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted. "(1)" = Indicates data from primary column used for QC calculation.

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GENERAL TERMS AND CONDITIONS LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

| and interpreted under | the laws of the state which services are procured. |
|------------------------------|---|
| Warranty. | Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied. |
| Scope and Compensation. | LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order. Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of |
| | reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes |
| Prices. | will be added to invoice prices when required. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees. |
| Limitations of Liability. | In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re- perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services. LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results. All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB. |
| | Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested. |
| Hazard Disclosure. | Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws. |
| Sample Handling. | Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report. Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may |
| | add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples. |
| | LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis. |
| Legal Responsibility. | LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence. |
| Assignment. | LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report. |
| Force Majeure. | LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control. |
| Law. | This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision. |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt. Page 11 of 14

| The product of the field of the construction o | | Rush 3 day Category A Rush 2 day Category B Rush 1 day Category B Other Other please indicate: 10 | Standard 5 day | Turnaround Time | 10 | Ο | 8 | 7 | 0 | υ | 4 | | 2 8/21/2015 1/55 | 1 8/21/2015 /040 | DATE COLLECTED COLLECTED COLLECTED COLLECTED COLLECTED S | | RFA Quarterly Sampling DEQ-98045 | PROJECT REFERENCE | | | | PARADIGM | - |) |
|--|------------------------------------|---|----------------|--------------------|------------|--------------------------------------|--------------------------------|--------------|---------------------------|------------------------------|-------------------|------------|---------------------------|-----------------------------------|--|-------------------|---|---------------------------|--------|-------------|---------------|-------------|-------------|------------------|
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | Basic EDD | Report Supplements | | | | | | | | | | | | | Matrix | | | Rochester | | City of Roc | REPORT TO: | 179 Lake Aven |
| LAB PROJECT ID Quotation #: Quotation #: Quotation #: Peckd @ cityofrochester.gov SD - Solid PF - Paint WP - Wipe PF - Paint CK - Caulk PF - Paint SD - Solid PF - Paint CK - Caulk PF - Paint CK - Caulk SD - Solid PF - Paint CK - Caulk PF - Paint CK - Caulk SD - Solid PF - Paint CK - Caulk SD - Solid PF - Paint CK - Caulk SOLID - Challete Methylphenol (p cresol) etals list: Solid - Challete No headspace. CO C S/A 1/5 / A 55 / A A 33 P.I.F. Challete P.I.F. A 33 P.I.F. A 33 P.I.F. A 34 | | | 2 mill all and | Bunna Fick day | | | | | | | | | 7 X X X X X | 8 X X X X X 8 | ۵ m o o D o D m m m E C Z D m m Z - P + Z O O 624 Site Specific 625 Site Specific 608 Pesticides Metals* pH Alkalinity | REQUESTED ANALYSI | DW - Drínking Water WW - Wastewater | ATTN: | PHONE: | 14614 CITY: | 300B ADDRESS: | | INVOICE TO: | CHAIN OF CUSTODY |
| | See additional page for sample con | 15 1338 | 1246 | | A1115 1255 | Alkalinity sample with No headspace. | As, Cd, Cr, Cu, Pb, Ni, Se, Zn | Metals list: | 4 Methylphenol (p cresol) | Bis (2-ehtylhexyl) phthalate | Diethyl phthalate | SVOA List: | 625 Site Specific = SMISC | 624 Site Specific =VRFA Test Name | | | -O - Soil SD - Solid WP - Wipe -L - Sludge PT - Paint CK - Caulk | peckd@cityofrochester.gov | Email: | | | 5 | | 07 |

Page 12 of 14

2 of 2



Chain of Custody Supplement

| Client: | COR | Completed by: | KRH |
|--|---|--------------------------------------|---------------|
| Lab Project ID: | | Date: | 8 21 15 |
| | Per NELAC/ELAP 21 | on Requirements 0/241/242/243/244 | |
| A Condition | VELAC compliance with the sample Y¢s | condition requirements upon re No | ceipt N/A |
| Container Type | \rightarrow | | |
| Comments | | | í. |
| Transferred to method- compliant container | | | |
| Headspace (<1 mL) Comments | Sample tra | IDSFERRED TO | make |
| Preservation | it po hea Metals to | dspace | |
| Comments Chlorine Absent (<0.10 ppm per test strip) Comments | VOA: CI ney | | \rightarrow |
| Holding Time Comments | | ₩ PH | |
| Temperature Comments | 20°C | | |
| Sufficient Sample Quantity Comments | | | |
| | | | |

| Convnerds: | Comments | Comments; | Oòrhnìents; | | 10 **LAB USE O | 9 | 00 ~ | 4 0 | р* Сл: | 4 | ω | 2 2 21 | > | DATE | | | PROJECT NAME/SITE NAME | | ľ | | ЪХ- | |
|-------------------------------|--|-----------------|----------------------|-------------------|--|-------------|--|-----|--|---|---|----------|-------------------|--|--------------------|---|------------------------|-----------|--------------------------------------|---|------------------------|--|
| Temperature: | Holding Time: | Presérvation; | Container Type: | Receipt Parameter | 10 | | 4 · · · · · · · · · · · · · · · · · · · | | | | | 5 | | m m n → - vo z ⊂ o n | | | NAME | | | | NDIC X | |
| | | e Nu | ter . | 1012402421240 | * 3 LINE** 10/241/249/249/ | | | | | | | | 1 | ې تد ≪ تو. | | COMMENTS: | ATTN | PHONE: | CITY: | ADDRESS: | COMPANY: | |
| Y U | N N | × | X N | NELAC Compliance | 744 | | | | 8 ² | | | 20111000 | <u>e 10 5 6 6</u> | SAMPLE LÜCATIONFIELD (D | | | Kate Hansen | FAX: | STATE: | <u> (5 1.00000,0000,000,000,000,000,000,000,000</u> | Paradigm Environmental | |
| Received @ Lab By | Received By | Relinquished By | Client Sampled By | - | | | × | , | | | | ×2 | | x-7+25 DHOBCZ | REO. | Please email results to khansen@paradigmenv.com and reporting@paradigmenv.com | ATTN: Met | PHONE: | ZIP: CHTY: | ADDRESS: | COMPANY: | CHAIN OF CUSTODY OLDS |
| - <u>25 (5 0</u> Date/Time | Date/Time | | DaterTime | , | | | | | · · · · · · · · · · · · · · · · · · · | | | | | | REQUESTED ANALYSIS | and reporting@paradigme | Meridith Dillman | FAX: | STATE: Z | | Same | 22 94322-3 |
| | provide the second seco | S ILLOS | Total Cost | | | | | | ran na ang mang mang mang mang mang mang | | | ò | | REMARKS | | | | | ZIP: TURNAROUND TIME: (WORKING DAYS) | | | $\gamma \beta$ ENVIRUIESI: ELAPID: 10142 |
| | | | ÷. | | | · · · · · · | | | | | | | | PARADIGM LAB SAMPLE NUMBER | | | 01 | STD OTHER | KING DAYS) | | CLIENT PROJECT #: | AP 10: 10142 |



Analytical Report For

City of Rochester

For Lab Project ID

154083

Referencing

RFA

Prepared

Tuesday, October 06, 2015

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

NMMMM /

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, October 06, 2015



| Client: | <u>City of Rochester</u> | | |
|--------------------|--------------------------|----------------|-----------|
| Project Reference: | RFA | | |
| Sample Identifier: | Effluent | | |
| Lab Sample ID: | 154083-01 | Date Sampled: | 9/28/2015 |
| Matrix: | Water | Date Received: | 9/28/2015 |

<u>рН</u>

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
|---------|---------------|--------------|------------------|----------------------|
| рН | 8.35 @ 21.4 C | S.U. | | 9/18/2015 16:15 |

Method Reference(s): SM 4500 H+ B

ELAP does not offer this test for approval as part of their laboratory certification program.

Volatile Organics

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier Date | Analyzed |
|---------------------------|---------------|--------------|----------------|------------|
| 1,1,1-Trichloroethane | < 5.00 | ug/L | 10/1/ | 2015 19:49 |
| 1,1,2,2-Tetrachloroethane | < 5.00 | ug/L | 10/1/ | 2015 19:49 |
| 1,1,2-Trichloroethane | < 5.00 | ug/L | 10/1/ | 2015 19:49 |
| 1,1-Dichloroethane | 8.96 | ug/L | 10/1/ | 2015 19:49 |
| 1,1-Dichloroethene | < 5.00 | ug/L | 10/1/ | 2015 19:49 |
| 1,2-Dichlorobenzene | < 5.00 | ug/L | 10/1/ | 2015 19:49 |
| 1,2-Dichloroethane | < 5.00 | ug/L | 10/1/ | 2015 19:49 |
| 1,2-Dichloropropane | < 5.00 | ug/L | 10/1/ | 2015 19:49 |
| 1,3-Dichlorobenzene | < 5.00 | ug/L | 10/1/ | 2015 19:49 |
| 1,4-Dichlorobenzene | < 5.00 | ug/L | 10/1/ | 2015 19:49 |
| 2-Butanone | 51.3 | ug/L | 10/1/ | 2015 19:49 |
| 2-Chloroethyl vinyl Ether | < 25.0 | ug/L | 10/1/ | 2015 19:49 |
| 4-Methyl-2-pentanone | < 12.5 | ug/L | 10/1/ | 2015 19:49 |
| Acetone | 28.4 | ug/L | 10/1/ | 2015 19:49 |
| Benzene | < 2.50 | ug/L | 10/1/ | 2015 19:49 |
| Bromodichloromethane | < 5.00 | ug/L | 10/1/ | 2015 19:49 |
| Bromoform | < 12.5 | ug/L | 10/1/ | 2015 19:49 |
| Bromomethane | < 5.00 | ug/L | 10/1/ | 2015 19:49 |
| Carbon Tetrachloride | < 5.00 | ug/L | 10/1/ | 2015 19:49 |
| Chlorobenzene | < 5.00 | ug/L | 10/1/ | 2015 19:49 |
| Chloroethane | < 5.00 | ug/L | 10/1/ | 2015 19:49 |
| Chloroform | < 5.00 | ug/L | 10/1/ | 2015 19:49 |
| Chloromethane | < 5.00 | ug/L | 10/1/ | 2015 19:49 |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt. Page 2 of 7



| Client: | <u>City of Ro</u> | <u>chester</u> | | | | | |
|-----------------------------|-------------------|-----------------|----------------------|-------------------|-----------------|-------------------|-------|
| Project Reference: | RFA | | | | | | |
| Sample Identifier: | Effluent | | | | | | |
| Lab Sample ID: | 154083- | 01 | | Dat | te Sampled: | 9/28/2015 | |
| Matrix: | Water | | | Dat | te Received: | 9/28/2015 | |
| cis-1,3-Dichloroprope | ene | < 5.00 | ug/L | | | 10/1/2015 | 19:49 |
| Dibromochlorometha | ine | < 5.00 | ug/L | | | 10/1/2015 | 19:49 |
| Ethylbenzene | | < 5.00 | ug/L | | | 10/1/2015 | 19:49 |
| Methylene chloride | | < 12.5 | ug/L | | | 10/1/2015 | 19:49 |
| Tetrachloroethene | | < 5.00 | ug/L | | | 10/1/2015 | 19:49 |
| Toluene | | < 5.00 | ug/L | | | 10/1/2015 | 19:49 |
| trans-1,2-Dichloroeth | nene | < 5.00 | ug/L | | | 10/1/2015 | 19:49 |
| trans-1,3-Dichloropro | opene | < 5.00 | ug/L | | | 10/1/2015 | 19:49 |
| Trichloroethene | | < 5.00 | ug/L | | | 10/1/2015 | 19:49 |
| Vinyl chloride | | < 5.00 | ug/L | | | 10/1/2015 | 19:49 |
| <u>Surrogate</u> | | Per | <u>cent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| 1,2-Dichloroethane-d | 4 | | 99.4 | 81.1 - 124 | | 10/1/2015 | 19:49 |
| 4-Bromofluorobenzer | ne | | 103 | 79.8 - 114 | | 10/1/2015 | 19:49 |
| Pentafluorobenzene | | | 103 | 91.1 • 111 | | 10/1/2015 | 19:49 |
| Toluene-D8 | | | 102 | 90.7 - 107 | | 10/1/2015 | 19:49 |
| Method Refere Data File: | | A 624 6649.D | | | | | |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt. Page 3 of 7



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns. "NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted. "(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

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GENERAL TERMS AND CONDITIONS LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, tern or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

| Warranty. | Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied. |
|------------------------------|--|
| Scope and Compensation. | LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order. Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required. |
| Prices. | Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees. |
| Limitations of Liability. | In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re- perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services. LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results. All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB. Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested. |
| Hazard Disclosure. | Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws. |
| Sample Handling. | Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report. Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples. LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis. |
| Legal Responsibility. | LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence. |
| Assignment. | LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report. |
| Force Majeure. | LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control. |
| Law. | This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision. |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt. Page 5 of 7

| | | Date/filme | By | Received @ Lab By | Other EDD please indicate: | Other please indicate: | R | Other please indicate: |
|----------------------------------|---|--|---|--------------------------------|---|---------------------------|------------------------|---------------------------|
| | ~ ``) | 9/28/12-11/14 | C. M. W. | \$11/200 | | | × 🗌 | Rush 1 day |
| | PILE | 10 9/38/15 /1003 | CANALOR | Received Bv/ | | Category B | | Rush 2 day |
| | | | ensite trait | Relinquished By | | Category A | | Rush 3 day |
| | | Date March | non Man | | Basic EDD | Batch QC | | Standard 5 day |
| | Total Cost: | 7/28/15 | 's leck | 1 davu | Availability contingent upon lab approval; additional fees may apply. | nt upon lab appr | lability continger | Ava |
| | | | 0 | J | Report Supplements | | Turnaround Time | Turnaro |
| ~U~ | 1 11 | | | | | | | |
| | , 9/28/15-1611 X | $)_{a}$ | | | | | | 10 |
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| 01 | | | XX E | WG | Ellewort | X | 1515 | -5/18/19- |
| PARADIGM LAB SAMPLE NUMBER | REMARKS | | DO ANDECZ WARZ-DHZOO 6245itespec. AH | ×−ヵ⊣⋗≧ ∞ m σ 0 Ω | SAMPLE IDENTIFIER | רי ₪ סנג ≼ ₪ | TIME COLLECTED | DATE COLLECTED |
| | | | | | | | | |
| OL - Oil AR - Air | SD - Solid WP - Wipe O PT - Paint CK - Caulk A | DW - Drinking Water SO - Soli WW - Wastewater SL - Sludge | | WA - Water WG - Groundwater | Matrix Codes: AQ - Aqueous Liquid NQ - Non-Aqueous Liquid | | 4 | Rh |
| - Cape | | | ATTN: | | ATTN: DOWN'S Peck | | PROJECT REFERENCE | PRO, |
| xhoster . | Email: Accidencity Speckerson | | PHONE: | | PHONE: | | | |
| | Quotation #: | STATE: ZIP: | CITY: | ZIP: | CITY: STATE: | | | / |
| Pag | 154083 | | ADDRESS: | | ADDRESS: | | | |
| ge 6 (| LAB PROJECT ID | INVOICE TO: | CLIENT: | | CLIENT: | · S | РАРІС І | J Z |
| of 7 | | | | | | | | |
| | | | | | | | | |
| () V | | 1500 Eav (585) 847-3311 | 200 0#100 (585) 647-2 | Develor NIV 14 | 170 1 aka Ava | | | |



Chain of Custody Supplement

| Client: | City of Roch | Completed by: | My Cail |
|---|--|---------------------------------|----------------|
| Lab Project ID: | 154683 | Date: | 9/28/15 |
| | Sample Condition Per NELAC/ELAP 210/ | | |
| Condition | NELAC compliance with the sample co Yes | ndition requirements upon No | receipt N/A |
| Container Type Comm | ents | | |
| Transferred to method- compliant container | | | |
| Headspace (<1 mL) Comm | ients | | |
| Preservation Comm | nents | | |
| Chlorine Absent (< 0.10 ppm per test str Comm | | / ~ · | |
| Holding Time Comn | nents | | |
| Temperature Comm | nents 20°C 9 | 28/15 1611 | |
| Sufficient Sample Quar Comr | | | |
| | | | |

272



Analytical Report For

City of Rochester

For Lab Project ID

154470

Referencing

RFA Monthly Sampling DEQ-98045 *Prepared* Tuesday, November 03, 2015

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, November 03, 2015



| Client: | <u>City of Rochester</u> | | |
|--------------------|--------------------------------|----------------|------------|
| Project Reference: | RFA Monthly Sampling DEQ-98045 | | |
| Sample Identifier: | Effluent | | |
| Lab Sample ID: | 154470-01 | Date Sampled: | 10/22/2015 |
| Matrix: | Water | Date Received: | 10/22/2015 |

<u>рН</u>

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
|---------|---------------|--------------|------------------|----------------------|
| рН | 8.13 @ 17.5 C | S.U. | | 10/22/2015 18:35 |

Method Reference(s): SM 4500 H+ B

ELAP does not offer this test for approval as part of their laboratory certification program.

Volatile Organics

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier | Date Analy | yzed |
|---------------------------|---------------|--------------|-----------|------------|-------|
| 1,1,1-Trichloroethane | < 5.00 | ug/L | | 10/30/2015 | 22:08 |
| 1,1,2,2-Tetrachloroethane | < 5.00 | ug/L | | 10/30/2015 | 22:08 |
| 1,1,2-Trichloroethane | < 5.00 | ug/L | | 10/30/2015 | 22:08 |
| 1,1-Dichloroethane | 10.7 | ug/L | | 10/30/2015 | 22:08 |
| 1,1-Dichloroethene | < 5.00 | ug/L | | 10/30/2015 | 22:08 |
| 1,2-Dichlorobenzene | < 5.00 | ug/L | | 10/30/2015 | 22:08 |
| 1,2-Dichloroethane | < 5.00 | ug/L | | 10/30/2015 | 22:08 |
| 1,2-Dichloropropane | < 5.00 | ug/L | | 10/30/2015 | 22:08 |
| 1,3-Dichlorobenzene | < 5.00 | ug/L | | 10/30/2015 | 22:08 |
| 1,4-Dichlorobenzene | < 5.00 | ug/L | | 10/30/2015 | 22:08 |
| 2-Butanone | 50.1 | ug/L | | 10/30/2015 | 22:08 |
| 2-Chloroethyl vinyl Ether | < 25.0 | ug/L | | 10/30/2015 | 22:08 |
| 4-Methyl-2-pentanone | < 12.5 | ug/L | | 10/30/2015 | 22:08 |
| Acetone | 31.0 | ug/L | | 10/30/2015 | 22:08 |
| Benzene | < 2.50 | ug/L | | 10/30/2015 | 22:08 |
| Bromodichloromethane | < 5.00 | ug/L | | 10/30/2015 | 22:08 |
| Bromoform | < 12.5 | ug/L | | 10/30/2015 | 22:08 |
| Bromomethane | < 5.00 | ug/L | | 10/30/2015 | 22:08 |
| Carbon Tetrachloride | < 5.00 | ug/L | | 10/30/2015 | 22:08 |
| Chlorobenzene | < 5.00 | ug/L | | 10/30/2015 | 22:08 |
| Chloroethane | < 5.00 | ug/L | | 10/30/2015 | 22:08 |
| Chloroform | < 5.00 | ug/L | | 10/30/2015 | 22:08 |
| Chloromethane | < 5.00 | ug/L | | 10/30/2015 | 22:08 |

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Lab Project ID: 154470

| Client: | <u>City of</u> | <u>Rochester</u> | | | | | | |
|------------------------------|----------------|---------------------|-------------|--------------|-------------------|-----------------|------------|------------|
| Project Reference: | RFA Mo | onthly Sampl | ing DEQ-98 | 3045 | | | | |
| Sample Identifier: | Effluer | nt | | | | | | |
| Lab Sample ID: | 15447 | 0-01 | | | Dat | e Sampled: | 10/22/201 | 5 |
| Matrix: | Water | | | | Dat | e Received: | 10/22/201 | 5 |
| cis-1,3-Dichloroproper | ne | < 5.00 |) u | g/L | | | 10/30/2015 | 22:08 |
| Dibromochloromethar | ie | < 5.00 |) u | g/L | | | 10/30/2015 | 22:08 |
| Ethylbenzene | | < 5.00 |) u | g/L | | | 10/30/2015 | 22:08 |
| Methylene chloride | | < 12.5 | i u | g/L | | | 10/30/2015 | 22:08 |
| Tetrachloroethene | | < 5.00 |) u | g/L | | | 10/30/2015 | 22:08 |
| Toluene | | < 5.00 |) u | g/L | | | 10/30/2015 | 22:08 |
| trans-1,2-Dichloroethe | ene | < 5.00 |) u | g/L | | | 10/30/2015 | 22:08 |
| trans-1,3-Dichloropro | pene | < 5.00 |) u | g/L | | | 10/30/2015 | 22:08 |
| Trichloroethene | | < 5.00 |) u | g/L | | | 10/30/2015 | 22:08 |
| Vinyl chloride | | < 5.00 |) u | g/L | | | 10/30/2015 | 22:08 |
| <u>Surrogate</u> | | | Percent Rec | <u>overy</u> | <u>Limits</u> | <u>Outliers</u> | Date Analy | <u>zed</u> |
| 1,2-Dichloroethane-d4 | | | 105 | | 81.1 - 124 | | 10/30/2015 | 22:08 |
| 4-Bromofluorobenzen | е | | 89.5 | | 79.8 - 114 | | 10/30/2015 | 22:08 |
| Pentafluorobenzene | | | 95.9 | | 91.1 - 111 | | 10/30/2015 | 22:08 |
| Toluene-D8 | | | 94.9 | | 90.7 - 107 | | 10/30/2015 | 22:08 |
| Method Referen Data File: | ce(s): | EPA 624 x27262.D | | | | | | |

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Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns. "NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted. "(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

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GENERAL TERMS AND CONDITIONS LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, tern or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

| Warranty. | Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied. |
|------------------------------|--|
| Scope and Compensation. | LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order. Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required. |
| Prices. | Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees. |
| Limitations of Liability. | In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re- perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services. LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results. All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB. Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested. |
| Hazard Disclosure. | Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws. |
| Sample Handling. | Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report. Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples. LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis. |
| Legal Responsibility. | LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence. |
| Assignment. | LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report. |
| Force Majeure. | LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control. |
| Law. | This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision. |

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| Turnaround Time Report Supplements Availability contingent upon lab approval; additional fees may apply. Standard 5 day | 1 10/22/2015 / 3/3 X 2 | DATE COLLECTED TIME O C COLLECTED S A E B | PROJECT REFERENCE RFA Monthly Sampling DEQ-98045 | PARADIGM |
|---|--|--|--|--|
| Report Supplements oval; additional fees may apply. Image: Image | Effluent | SAMPLE IDENTIFIER | ATTN: Dennis Peck Matrix Codes: AQ - Aqueous Liquid NQ - Non-Aqueous Liquid | T: City of Rocheste SS: 30 Church S Rochester |
| Sampled By Relinquished By Received By Received @ Lab By | Water | ×-ガー>E のmつつつ | WA - Water WG - Groundwater | 2008 A Constant, NV |
| Lect 10/2 Date Date 10/22/ Date 10/22/ Date | | TO JT M B E C Z Ø JT M Z - > -1 Z O O 624 Site Specific pH Output ANALYSIS | IN: DW - Drinking Water WW - Wastewater | Office (585) 647-2530 Fax (585) 647-3311 CHAIN OF CUSTODY INVOICE TO: ORT TO: INVOICE TO: STATE: NY ZIP 14614 OITY: STATE: NY PHONE: |
| | 624 Site S | | iL - Soil | 5) 647-3311 ZIP: |
| Total Cost: 1/4/4C 1/4/4C P.I.F. 1/6: 4/8 P.I.F. See additional page for sample conditions. | 624 Site Specific =VRFA Test Name | 「「「「」 | peckd@cityofrochester.gov SD - Solid PT - Paint CK - Caulk | LAB PROJECT ID ノ S 니 너 フ O Quotation #: Email: |
| nditions. | 0 | PARADIGM LAB SAMPLE NUMBER | OL - Oil AR - Air | Page 6 of 7 \overrightarrow{r} |



Chain of Custody Supplement

| Client: | City of Rochester | Completed by: | Glenn Pezzulo |
|---|---|--|------------------|
| Lab Project ID: | 154470 | Date: | 10/22/15 |
| | Sample Condition Per NELAC/ELAP 210/ | Requirements 241/242/243/244 | |
| N Condition | ELAC compliance with the sample co Yes | ndition requirements upo No | n receipt N/A |
| Container Type | | | |
| Comments | | | |
| Transferred to method- compliant container | | | |
| Headspace (<1 mL) Comments | | | |
| Preservation Comments | X VOA | | |
| Chiorine Absent (<0.10 ppm per test strip) Comments | VOA 624: Neg | | |
| Holding Time Comments | | □ ∕ □ρH | |
| Temperature Comments | _19°C | | |
| Sufficient Sample Quantity Comments | | | |
| | | | |

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2.72



Analytical Report For

City of Rochester

For Lab Project ID

154642

Referencing

RFA Semi-Annual GW Sampling DEQ-98045 Prepared

Monday, November 09, 2015

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

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Report Prepared Monday, November 09, 2015



| Client: | <u>City of Rochester</u> | | |
|--------------------|---------------------------------------|----------------|-----------|
| Project Reference: | RFA Semi-Annual GW Sampling DEQ-98045 | | |
| Sample Identifier: | MW 6I | | |
| Lab Sample ID: | 154642-01 | Date Sampled: | 11/3/2015 |
| Matrix: | Water | Date Received: | 11/3/2015 |

Volatile Organics

| <u>Analyte</u> | Result | <u>Units</u> | Qualifier | Date Analyzed |
|---------------------------|--------|--------------|-----------|----------------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 11/6/2015 02:11 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 11/6/2015 02:11 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 11/6/2015 02:11 |
| 1,1-Dichloroethane | < 2.00 | ug/L | | 11/6/2015 02:11 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 11/6/2015 02:11 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 11/6/2015 02:11 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 11/6/2015 02:11 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 11/6/2015 02:11 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 11/6/2015 02:11 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 11/6/2015 02:11 |
| 2-Chloroethyl vinyl Ether | < 10.0 | ug/L | | 11/6/2015 02:11 |
| Benzene | < 1.00 | ug/L | | 11/6/2015 02:11 |
| Bromodichloromethane | < 2.00 | ug/L | | 11/6/2015 02:11 |
| Bromoform | < 5.00 | ug/L | | 11/6/2015 02:11 |
| Bromomethane | < 2.00 | ug/L | | 11/6/2015 02:11 |
| Carbon Tetrachloride | < 2.00 | ug/L | | 11/6/2015 02:11 |
| Chlorobenzene | < 2.00 | ug/L | | 11/6/2015 02:11 |
| Chloroethane | < 2.00 | ug/L | | 11/6/2015 02:11 |
| Chloroform | < 2.00 | ug/L | | 11/6/2015 02:11 |
| Chloromethane | < 2.00 | ug/L | | 11/6/2015 02:11 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | | 11/6/2015 02:11 |
| Dibromochloromethane | < 2.00 | ug/L | | 11/6/2015 02:11 |
| Ethylbenzene | < 2.00 | ug/L | | 11/6/2015 02:11 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | | 11/6/2015 02:11 |
| Methylene chloride | < 5.00 | ug/L | | 11/6/2015 02:11 |
| Tetrachloroethene | < 2.00 | ug/L | | 11/6/2015 02:11 |
| Toluene | < 2.00 | ug/L | | 11/6/2015 02:11 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | | 11/6/2015 02:11 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | | 11/6/2015 02:11 |
| | | | | |

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| Client: | <u>City of Roch</u> | <u>ester</u> | | | | | |
|--------------------------------|-------------------------|--------------|-----------------|---------------|-----------------|-------------------|------------|
| Project Reference: | RFA Semi-An | nual GW | Sampling DEQ- | 98045 | | | |
| Sample Identifier: | MW 6I | | | | | | |
| Lab Sample ID: | 154642-01 | | | Date | e Sampled: | 11/3/2015 | |
| Matrix: | Water | | | Date | e Received: | 11/3/2015 | |
| Trichloroethene | | < 2.00 | ug/L | | | 11/6/2015 | 02:11 |
| Trichlorofluoromethar | ie | < 2.00 | ug/L | | | 11/6/2015 | 02:11 |
| Vinyl chloride | | 3.20 | ug/L | | | 11/6/2015 | 02:11 |
| <u>Surrogate</u> | | <u>P</u> | ercent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | <u>zed</u> |
| 1,2-Dichloroethane-d4 | : | | 102 | 81.1 - 124 | | 11/6/2015 | 02:11 |
| 4-Bromofluorobenzen | e | | 94.7 | 79.8 - 114 | | 11/6/2015 | 02:11 |
| Pentafluorobenzene | | | 98.6 | 91.1 - 111 | | 11/6/2015 | 02:11 |
| Toluene-D8 | | | 97.1 | 90.7 - 107 | | 11/6/2015 | 02:11 |
| Method Reference Data File: | ce(s): EPA 62 x27402 | - | | | | | |

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| Client: | <u>City of Rochester</u> | | |
|--------------------|---------------------------------------|----------------|-----------|
| Project Reference: | RFA Semi-Annual GW Sampling DEQ-98045 | | |
| Sample Identifier: | MW 7I | | |
| Lab Sample ID: | 154642-02 | Date Sampled: | 11/3/2015 |
| Matrix: | Water | Date Received: | 11/3/2015 |

Volatile Organics

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
|---------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane | 555 | ug/L | | 11/6/2015 02:34 |
| 1,1,2,2-Tetrachloroethane | < 10.0 | ug/L | | 11/6/2015 02:34 |
| 1,1,2-Trichloroethane | < 10.0 | ug/L | | 11/6/2015 02:34 |
| 1,1-Dichloroethane | 662 | ug/L | | 11/6/2015 02:34 |
| 1,1-Dichloroethene | 37.3 | ug/L | | 11/6/2015 02:34 |
| 1,2-Dichlorobenzene | < 10.0 | ug/L | | 11/6/2015 02:34 |
| 1,2-Dichloroethane | < 10.0 | ug/L | | 11/6/2015 02:34 |
| 1,2-Dichloropropane | < 10.0 | ug/L | | 11/6/2015 02:34 |
| 1,3-Dichlorobenzene | < 10.0 | ug/L | | 11/6/2015 02:34 |
| 1,4-Dichlorobenzene | < 10.0 | ug/L | | 11/6/2015 02:34 |
| 2-Chloroethyl vinyl Ether | < 50.0 | ug/L | | 11/6/2015 02:34 |
| Benzene | < 5.00 | ug/L | | 11/6/2015 02:34 |
| Bromodichloromethane | < 10.0 | ug/L | | 11/6/2015 02:34 |
| Bromoform | < 25.0 | ug/L | | 11/6/2015 02:34 |
| Bromomethane | < 10.0 | ug/L | | 11/6/2015 02:34 |
| Carbon Tetrachloride | < 10.0 | ug/L | | 11/6/2015 02:34 |
| Chlorobenzene | < 10.0 | ug/L | | 11/6/2015 02:34 |
| Chloroethane | < 10.0 | ug/L | | 11/6/2015 02:34 |
| Chloroform | < 10.0 | ug/L | | 11/6/2015 02:34 |
| Chloromethane | < 10.0 | ug/L | | 11/6/2015 02:34 |
| cis-1,3-Dichloropropene | < 10.0 | ug/L | | 11/6/2015 02:34 |
| Dibromochloromethane | < 10.0 | ug/L | | 11/6/2015 02:34 |
| Ethylbenzene | < 10.0 | ug/L | | 11/6/2015 02:34 |
| Methyl tert-butyl Ether | < 10.0 | ug/L | | 11/6/2015 02:34 |
| Methylene chloride | < 25.0 | ug/L | | 11/6/2015 02:34 |
| Tetrachloroethene | < 10.0 | ug/L | | 11/6/2015 02:34 |
| Toluene | 11.6 | ug/L | | 11/6/2015 02:34 |
| trans-1,2-Dichloroethene | 11.0 | ug/L | | 11/6/2015 02:34 |
| trans-1,3-Dichloropropene | < 10.0 | ug/L | | 11/6/2015 02:34 |
| | | | | |

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| Client: | <u>City of Roche</u> | ester | | | | | | |
|------------------------------|---------------------------|--------------------------------------|-----------------|-------------------|-----------------|-------------------|------------|--|
| Project Reference: | RFA Semi-Ani | FA Semi-Annual GW Sampling DEQ-98045 | | | | | | |
| Sample Identifier: | MW 7I | | | | | | | |
| Lab Sample ID: | 154642-02 | | | Dat | e Sampled: | 11/3/2015 | | |
| Matrix: | Water | | | Dat | e Received: | 11/3/2015 | | |
| Trichloroethene | | < 10.0 | ug/L | | | 11/6/2015 | 02:34 | |
| Trichlorofluorometha | ie | < 10.0 | ug/L | | | 11/6/2015 | 02:34 | |
| Vinyl chloride | | 180 | ug/L | | | 11/6/2015 | 02:34 | |
| <u>Surrogate</u> | | P | ercent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | <u>zed</u> | |
| 1,2-Dichloroethane-d4 | | | 104 | 81.1 - 124 | | 11/6/2015 | 02:34 | |
| 4-Bromofluorobenzen | e | | 95.7 | 79.8 - 114 | | 11/6/2015 | 02:34 | |
| Pentafluorobenzene | | | 99.4 | 91.1 - 111 | | 11/6/2015 | 02:34 | |
| Toluene-D8 | | | 96.4 | 90.7 - 107 | | 11/6/2015 | 02:34 | |
| Method Referen Data File: | ce(s): EPA 624 x27403. | | | | | | | |

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| Client: | <u>City of Rochester</u> | | |
|--------------------|---------------------------------------|----------------|-----------|
| Project Reference: | RFA Semi-Annual GW Sampling DEQ-98045 | | |
| Sample Identifier: | MW 7D | | |
| Lab Sample ID: | 154642-03 | Date Sampled: | 11/3/2015 |
| Matrix: | Water | Date Received: | 11/3/2015 |

Volatile Organics

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
|---------------------------|---------------|--------------|-----------|----------------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 11/6/2015 02:57 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 11/6/2015 02:57 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 11/6/2015 02:57 |
| 1,1-Dichloroethane | < 2.00 | ug/L | | 11/6/2015 02:57 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 11/6/2015 02:57 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 11/6/2015 02:57 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 11/6/2015 02:57 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 11/6/2015 02:57 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 11/6/2015 02:57 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 11/6/2015 02:57 |
| 2-Chloroethyl vinyl Ether | < 10.0 | ug/L | | 11/6/2015 02:57 |
| Benzene | < 1.00 | ug/L | | 11/6/2015 02:57 |
| Bromodichloromethane | < 2.00 | ug/L | | 11/6/2015 02:57 |
| Bromoform | < 5.00 | ug/L | | 11/6/2015 02:57 |
| Bromomethane | < 2.00 | ug/L | | 11/6/2015 02:57 |
| Carbon Tetrachloride | < 2.00 | ug/L | | 11/6/2015 02:57 |
| Chlorobenzene | < 2.00 | ug/L | | 11/6/2015 02:57 |
| Chloroethane | < 2.00 | ug/L | | 11/6/2015 02:57 |
| Chloroform | < 2.00 | ug/L | | 11/6/2015 02:57 |
| Chloromethane | < 2.00 | ug/L | | 11/6/2015 02:57 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | | 11/6/2015 02:57 |
| Dibromochloromethane | < 2.00 | ug/L | | 11/6/2015 02:57 |
| Ethylbenzene | < 2.00 | ug/L | | 11/6/2015 02:57 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | | 11/6/2015 02:57 |
| Methylene chloride | < 5.00 | ug/L | | 11/6/2015 02:57 |
| Tetrachloroethene | < 2.00 | ug/L | | 11/6/2015 02:57 |
| Toluene | < 2.00 | ug/L | | 11/6/2015 02:57 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | | 11/6/2015 02:57 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | | 11/6/2015 02:57 |
| | | | | |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt. Page 6 of 25



| Client: | <u>City of Roch</u> | ester | | | | | |
|--------------------------------|------------------------|----------|-----------------|---------------|-----------------|-------------------|-------|
| Project Reference: | RFA Semi-Ar | nnual GW | Sampling DEQ- | 98045 | | | |
| Sample Identifier: | MW 7D | | | | | | |
| Lab Sample ID: | 154642-03 | | | Dat | e Sampled: | 11/3/2015 | |
| Matrix: | Water | | | Dat | e Received: | 11/3/2015 | |
| Trichloroethene | | < 2.00 | ug/L | | | 11/6/2015 | 02:57 |
| Trichlorofluoromethar | ie | < 2.00 | ug/L | | | 11/6/2015 | 02:57 |
| Vinyl chloride | | < 2.00 | ug/L | | | 11/6/2015 | 02:57 |
| <u>Surrogate</u> | | Pe | ercent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| 1,2-Dichloroethane-d4 | | | 105 | 81.1 - 124 | | 11/6/2015 | 02:57 |
| 4-Bromofluorobenzen | e | | 92.6 | 79.8 - 114 | | 11/6/2015 | 02:57 |
| Pentafluorobenzene | | | 97.8 | 91.1 - 111 | | 11/6/2015 | 02:57 |
| Toluene-D8 | | | 96.0 | 90.7 - 107 | | 11/6/2015 | 02:57 |
| Method Reference Data File: | ce(s): EPA 62 x2740 | | | | | | |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt. Page 7 of 25



| Client: | <u>City of Rochester</u> | | |
|--------------------|---------------------------------------|----------------|-----------|
| Project Reference: | RFA Semi-Annual GW Sampling DEQ-98045 | | |
| Sample Identifier: | MW 7S | | |
| Lab Sample ID: | 154642-04 | Date Sampled: | 11/3/2015 |
| Matrix: | Water | Date Received: | 11/3/2015 |

Volatile Organics

| 1,1,1-Trichloroethane 161 ug/L 11/6/2015 03:21 1,1,2-Trichloroethane < 5.00 ug/L 11/6/2015 03:21 1,1,2-Trichloroethane 238 ug/L 11/6/2015 03:21 1,1-Dichloroethane 238 ug/L 11/6/2015 03:21 1,1-Dichloroethane < 5.00 ug/L 11/6/2015 03:21 1,2-Dichloroethane < 5.00 ug/L 11/6/2015 03:21 1,2-Dichloroethane < 5.00 ug/L 11/6/2015 03:21 1,2-Dichloroethane < 5.00 ug/L 11/6/2015 03:21 1,2-Dichlorobenzene < 5.00 ug/L 11/6/2015 03:21 1,4-Dichlorobenzene < 5.00 ug/L 11/6/2015 03:21 1,4-Dichlorobenzene < 5.00 ug/L 11/6/2015 03:21 Benzene < 2.50 ug/L 11/6/2015 03:21 Bromodichloromethane < 5.00 ug/L 11/6/2015 03:21 Ghoroebnzene < 5.00 ug/L 11/6/2015 03:21 Chlororofm < 5.00 ug/L< | Analyte | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
|---|---------------------------|---------------|--------------|------------------|----------------------|
| 1,1,2-Trichloroethane < 5.00 | 1,1,1-Trichloroethane | 161 | ug/L | | 11/6/2015 03:21 |
| 1,1-Dichloroethane 238 ug/L 11/6/2015 03:21 1,1-Dichloroethene < 5.00 | 1,1,2,2-Tetrachloroethane | < 5.00 | ug/L | | 11/6/2015 03:21 |
| 1,1-Dichloroethene < 5.00 | 1,1,2-Trichloroethane | < 5.00 | ug/L | | 11/6/2015 03:21 |
| 1,2-Dichlorobenzene < 5.00 | 1,1-Dichloroethane | 238 | ug/L | | 11/6/2015 03:21 |
| 1,2-Dichloroethane < 5.00 | 1,1-Dichloroethene | < 5.00 | ug/L | | 11/6/2015 03:21 |
| 1,2-Dichloropropane < 5.00 | 1,2-Dichlorobenzene | < 5.00 | ug/L | | 11/6/2015 03:21 |
| 1,3-Dichlorobenzene < 5.00 | 1,2-Dichloroethane | < 5.00 | ug/L | | 11/6/2015 03:21 |
| 1.4-Dichlorobenzene < 5.00 | 1,2-Dichloropropane | < 5.00 | ug/L | | 11/6/2015 03:21 |
| 2-Chloroethyl vinyl Ether < 25.0 | 1,3-Dichlorobenzene | < 5.00 | ug/L | | 11/6/2015 03:21 |
| Benzene < 2.50 | 1,4-Dichlorobenzene | < 5.00 | ug/L | | 11/6/2015 03:21 |
| Bromodichloromethane < 5.00 | 2-Chloroethyl vinyl Ether | < 25.0 | ug/L | | 11/6/2015 03:21 |
| Bromoform < 12.5 ug/L 11/6/2015 03:21 Bromomethane < 5.00 | Benzene | < 2.50 | ug/L | | 11/6/2015 03:21 |
| Bromomethane < 5.00 ug/L 11/6/2015 03:21 Carbon Tetrachloride < 5.00 | Bromodichloromethane | < 5.00 | ug/L | | 11/6/2015 03:21 |
| Carbon Tetrachloride < 5.00 | Bromoform | < 12.5 | ug/L | | 11/6/2015 03:21 |
| Chlorobenzene < 5.00 | Bromomethane | < 5.00 | ug/L | | 11/6/2015 03:21 |
| Chloroethane < 5.00 | Carbon Tetrachloride | < 5.00 | ug/L | | 11/6/2015 03:21 |
| Chloroform < 5.00 | Chlorobenzene | < 5.00 | ug/L | | 11/6/2015 03:21 |
| Chloromethane < 5.00 | Chloroethane | < 5.00 | ug/L | | 11/6/2015 03:21 |
| cis-1,3-Dichloropropene < 5.00 | Chloroform | < 5.00 | ug/L | | 11/6/2015 03:21 |
| Dibromochloromethane < 5.00 | Chloromethane | < 5.00 | ug/L | | 11/6/2015 03:21 |
| Ethylbenzene < 5.00 | cis-1,3-Dichloropropene | < 5.00 | ug/L | | 11/6/2015 03:21 |
| Methyl tert-butyl Ether < 5.00 | Dibromochloromethane | < 5.00 | ug/L | | 11/6/2015 03:21 |
| Methylene chloride < 12.5 | Ethylbenzene | < 5.00 | ug/L | | 11/6/2015 03:21 |
| Tetrachloroethene < 5.00 ug/L 11/6/2015 03:21 Toluene < 5.00 ug/L 11/6/2015 03:21 trans-1,2-Dichloroethene < 5.00 ug/L 11/6/2015 03:21 | Methyl tert-butyl Ether | < 5.00 | ug/L | | 11/6/2015 03:21 |
| Toluene < 5.00 ug/L 11/6/2015 03:21 trans-1,2-Dichloroethene < 5.00 | Methylene chloride | < 12.5 | ug/L | | 11/6/2015 03:21 |
| trans-1,2-Dichloroethene < 5.00 ug/L 11/6/2015 03:21 | Tetrachloroethene | < 5.00 | ug/L | | 11/6/2015 03:21 |
| | Toluene | < 5.00 | ug/L | | 11/6/2015 03:21 |
| trans-1,3-Dichloropropene < 5.00 ug/L 11/6/2015 03:21 | trans-1,2-Dichloroethene | < 5.00 | ug/L | | 11/6/2015 03:21 |
| | trans-1,3-Dichloropropene | < 5.00 | ug/L | | 11/6/2015 03:21 |

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| Client: | <u>City of Roch</u> | <u>ester</u> | | | | | |
|--------------------------------|------------------------|--------------|-----------------|---------------|-----------------|-------------------|------------|
| Project Reference: | RFA Semi-Ar | inual GW | Sampling DEQ- | 98045 | | | |
| Sample Identifier: | MW 7S | | | | | | |
| Lab Sample ID: | 154642-04 | | | Dat | e Sampled: | 11/3/2015 | |
| Matrix: | Water | | | Dat | e Received: | 11/3/2015 | |
| Trichloroethene | | < 5.00 | ug/L | | | 11/6/2015 | 03:21 |
| Trichlorofluoromethar | ne | < 5.00 | ug/L | | | 11/6/2015 | 03:21 |
| Vinyl chloride | | < 5.00 | ug/L | | | 11/6/2015 | 03:21 |
| <u>Surrogate</u> | | Pe | ercent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | <u>zed</u> |
| 1,2-Dichloroethane-d4 | : | | 103 | 81.1 - 124 | | 11/6/2015 | 03:21 |
| 4-Bromofluorobenzen | e | | 94.9 | 79.8 - 114 | | 11/6/2015 | 03:21 |
| Pentafluorobenzene | | | 97.1 | 91.1 - 111 | | 11/6/2015 | 03:21 |
| Toluene-D8 | | | 95.5 | 90.7 - 107 | | 11/6/2015 | 03:21 |
| Method Reference Data File: | ce(s): EPA 62 x2740 | | | | | | |

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| Client: | <u>City of Rochester</u> | | |
|--------------------|---------------------------------------|----------------|-----------|
| Project Reference: | RFA Semi-Annual GW Sampling DEQ-98045 | | |
| Sample Identifier: | MW 8I | | |
| Lab Sample ID: | 154642-05 | Date Sampled: | 11/3/2015 |
| Matrix: | Water | Date Received: | 11/3/2015 |

Volatile Organics

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
|---------------------------|---------------|--------------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 5.00 | ug/L | | 11/6/2015 03:44 |
| 1,1,2,2-Tetrachloroethane | < 5.00 | ug/L | | 11/6/2015 03:44 |
| 1,1,2-Trichloroethane | < 5.00 | ug/L | | 11/6/2015 03:44 |
| 1,1-Dichloroethane | < 5.00 | ug/L | | 11/6/2015 03:44 |
| 1,1-Dichloroethene | < 5.00 | ug/L | | 11/6/2015 03:44 |
| 1,2-Dichlorobenzene | < 5.00 | ug/L | | 11/6/2015 03:44 |
| 1,2-Dichloroethane | < 5.00 | ug/L | | 11/6/2015 03:44 |
| 1,2-Dichloropropane | < 5.00 | ug/L | | 11/6/2015 03:44 |
| 1,3-Dichlorobenzene | < 5.00 | ug/L | | 11/6/2015 03:44 |
| 1,4-Dichlorobenzene | < 5.00 | ug/L | | 11/6/2015 03:44 |
| 2-Chloroethyl vinyl Ether | < 25.0 | ug/L | | 11/6/2015 03:44 |
| Benzene | < 2.50 | ug/L | | 11/6/2015 03:44 |
| Bromodichloromethane | < 5.00 | ug/L | | 11/6/2015 03:44 |
| Bromoform | < 12.5 | ug/L | | 11/6/2015 03:44 |
| Bromomethane | < 5.00 | ug/L | | 11/6/2015 03:44 |
| Carbon Tetrachloride | < 5.00 | ug/L | | 11/6/2015 03:44 |
| Chlorobenzene | < 5.00 | ug/L | | 11/6/2015 03:44 |
| Chloroethane | < 5.00 | ug/L | | 11/6/2015 03:44 |
| Chloroform | < 5.00 | ug/L | | 11/6/2015 03:44 |
| Chloromethane | < 5.00 | ug/L | | 11/6/2015 03:44 |
| cis-1,3-Dichloropropene | < 5.00 | ug/L | | 11/6/2015 03:44 |
| Dibromochloromethane | < 5.00 | ug/L | | 11/6/2015 03:44 |
| Ethylbenzene | < 5.00 | ug/L | | 11/6/2015 03:44 |
| Methyl tert-butyl Ether | < 5.00 | ug/L | | 11/6/2015 03:44 |
| Methylene chloride | < 12.5 | ug/L | | 11/6/2015 03:44 |
| Tetrachloroethene | < 5.00 | ug/L | | 11/6/2015 03:44 |
| Toluene | < 5.00 | ug/L | | 11/6/2015 03:44 |
| trans-1,2-Dichloroethene | < 5.00 | ug/L | | 11/6/2015 03:44 |
| trans-1,3-Dichloropropene | < 5.00 | ug/L | | 11/6/2015 03:44 |
| | | | | |

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| Client: | <u>City of Roch</u> | <u>ester</u> | | | | | | |
|--------------------------------|-------------------------|--------------------------------------|-----------------|---------------|-----------------|-------------------|------------|--|
| Project Reference: | RFA Semi-An | FA Semi-Annual GW Sampling DEQ-98045 | | | | | | |
| Sample Identifier: | MW 8I | | | | | | | |
| Lab Sample ID: | 154642-05 | | | Dat | e Sampled: | 11/3/2015 | | |
| Matrix: | Water | | | Dat | e Received: | 11/3/2015 | | |
| Trichloroethene | | < 5.00 | ug/L | | | 11/6/2015 | 03:44 | |
| Trichlorofluoromethar | ie | < 5.00 | ug/L | | | 11/6/2015 | 03:44 | |
| Vinyl chloride | | 228 | ug/L | | | 11/6/2015 | 03:44 | |
| <u>Surrogate</u> | | <u>P</u> | ercent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | <u>zed</u> | |
| 1,2-Dichloroethane-d4 | | | 105 | 81.1 - 124 | | 11/6/2015 | 03:44 | |
| 4-Bromofluorobenzen | e | | 92.5 | 79.8 - 114 | | 11/6/2015 | 03:44 | |
| Pentafluorobenzene | | | 98.2 | 91.1 - 111 | | 11/6/2015 | 03:44 | |
| Toluene-D8 | | | 94.5 | 90.7 - 107 | | 11/6/2015 | 03:44 | |
| Method Reference Data File: | ce(s): EPA 62 x27406 | - | | | | | | |

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| Client: | <u>City of Rochester</u> | | |
|--------------------|---------------------------------------|----------------|-----------|
| Project Reference: | RFA Semi-Annual GW Sampling DEQ-98045 | | |
| Sample Identifier: | MW 9D | | |
| Lab Sample ID: | 154642-06 | Date Sampled: | 11/3/2015 |
| Matrix: | Water | Date Received: | 11/3/2015 |

Volatile Organics

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier | Date Analy | yzed |
|---------------------------|---------------|--------------|-----------|------------|-------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 11/6/2015 | 04:08 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 11/6/2015 | 04:08 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 11/6/2015 | 04:08 |
| 1,1-Dichloroethane | 5.40 | ug/L | | 11/6/2015 | 04:08 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 11/6/2015 | 04:08 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 11/6/2015 | 04:08 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 11/6/2015 | 04:08 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 11/6/2015 | 04:08 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 11/6/2015 | 04:08 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 11/6/2015 | 04:08 |
| 2-Chloroethyl vinyl Ether | < 10.0 | ug/L | | 11/6/2015 | 04:08 |
| Benzene | < 1.00 | ug/L | | 11/6/2015 | 04:08 |
| Bromodichloromethane | < 2.00 | ug/L | | 11/6/2015 | 04:08 |
| Bromoform | < 5.00 | ug/L | | 11/6/2015 | 04:08 |
| Bromomethane | < 2.00 | ug/L | | 11/6/2015 | 04:08 |
| Carbon Tetrachloride | < 2.00 | ug/L | | 11/6/2015 | 04:08 |
| Chlorobenzene | < 2.00 | ug/L | | 11/6/2015 | 04:08 |
| Chloroethane | < 2.00 | ug/L | | 11/6/2015 | 04:08 |
| Chloroform | < 2.00 | ug/L | | 11/6/2015 | 04:08 |
| Chloromethane | < 2.00 | ug/L | | 11/6/2015 | 04:08 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | | 11/6/2015 | 04:08 |
| Dibromochloromethane | < 2.00 | ug/L | | 11/6/2015 | 04:08 |
| Ethylbenzene | < 2.00 | ug/L | | 11/6/2015 | 04:08 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | | 11/6/2015 | 04:08 |
| Methylene chloride | < 5.00 | ug/L | | 11/6/2015 | 04:08 |
| Tetrachloroethene | < 2.00 | ug/L | | 11/6/2015 | 04:08 |
| Toluene | < 2.00 | ug/L | | 11/6/2015 | 04:08 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | | 11/6/2015 | 04:08 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | | 11/6/2015 | 04:08 |
| | | | | | |

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| Client: | <u>City of Roche</u> | <u>ester</u> | | | | | |
|------------------------------|---------------------------------|--------------------------------------|-----------------|---------------|-----------------|-------------------|------------|
| Project Reference: | RFA Semi-An | FA Semi-Annual GW Sampling DEQ-98045 | | | | | |
| Sample Identifier: | MW 9D | | | | | | |
| Lab Sample ID: | 154642-06 | | | Dat | e Sampled: | 11/3/2015 | |
| Matrix: | Water | | | Dat | e Received: | 11/3/2015 | |
| Trichloroethene | | < 2.00 | ug/L | | | 11/6/2015 | 04:08 |
| Trichlorofluoromethar | ıe | < 2.00 | ug/L | | | 11/6/2015 | 04:08 |
| Vinyl chloride | | 15.1 | ug/L | | | 11/6/2015 | 04:08 |
| <u>Surrogate</u> | | <u>P</u> | ercent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | <u>zed</u> |
| 1,2-Dichloroethane-d4 | : | | 105 | 81.1 - 124 | | 11/6/2015 | 04:08 |
| 4-Bromofluorobenzen | e | | 93.1 | 79.8 - 114 | | 11/6/2015 | 04:08 |
| Pentafluorobenzene | | | 96.5 | 91.1 - 111 | | 11/6/2015 | 04:08 |
| Toluene-D8 | | | 96.2 | 90.7 - 107 | | 11/6/2015 | 04:08 |
| Method Referen Data File: | ce(s): EPA 624 x27407 | - | | | | | |

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| Client: | <u>City of Rochester</u> | | |
|--------------------|---------------------------------------|----------------|-----------|
| Project Reference: | RFA Semi-Annual GW Sampling DEQ-98045 | | |
| Sample Identifier: | MW 10I | | |
| Lab Sample ID: | 154642-07 | Date Sampled: | 11/3/2015 |
| Matrix: | Water | Date Received: | 11/3/2015 |

Volatile Organics

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
|---------------------------|---------------|--------------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 11/6/2015 04:31 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 11/6/2015 04:31 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 11/6/2015 04:31 |
| 1,1-Dichloroethane | < 2.00 | ug/L | | 11/6/2015 04:31 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 11/6/2015 04:31 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 11/6/2015 04:31 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 11/6/2015 04:31 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 11/6/2015 04:31 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 11/6/2015 04:31 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 11/6/2015 04:31 |
| 2-Chloroethyl vinyl Ether | < 10.0 | ug/L | | 11/6/2015 04:31 |
| Benzene | < 1.00 | ug/L | | 11/6/2015 04:31 |
| Bromodichloromethane | < 2.00 | ug/L | | 11/6/2015 04:31 |
| Bromoform | < 5.00 | ug/L | | 11/6/2015 04:31 |
| Bromomethane | < 2.00 | ug/L | | 11/6/2015 04:31 |
| Carbon Tetrachloride | < 2.00 | ug/L | | 11/6/2015 04:31 |
| Chlorobenzene | < 2.00 | ug/L | | 11/6/2015 04:31 |
| Chloroethane | < 2.00 | ug/L | | 11/6/2015 04:31 |
| Chloroform | < 2.00 | ug/L | | 11/6/2015 04:31 |
| Chloromethane | < 2.00 | ug/L | | 11/6/2015 04:31 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | | 11/6/2015 04:31 |
| Dibromochloromethane | < 2.00 | ug/L | | 11/6/2015 04:31 |
| Ethylbenzene | < 2.00 | ug/L | | 11/6/2015 04:31 |
| Methyl tert-butyl Ether | 3.38 | ug/L | | 11/6/2015 04:31 |
| Methylene chloride | < 5.00 | ug/L | | 11/6/2015 04:31 |
| Tetrachloroethene | < 2.00 | ug/L | | 11/6/2015 04:31 |
| Toluene | < 2.00 | ug/L | | 11/6/2015 04:31 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | | 11/6/2015 04:31 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | | 11/6/2015 04:31 |
| | | | | |

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| Client: | <u>City of Roch</u> | ester | | | | | |
|------------------------------|------------------------|-----------|-----------------|---------------|-----------------|-------------------|-------|
| Project Reference: | RFA Semi-Ar | nnual GW | Sampling DEQ- | 98045 | | | |
| Sample Identifier: | MW 10I | | | | | | |
| Lab Sample ID: | 154642-07 | | | Dat | e Sampled: | 11/3/2015 | |
| Matrix: | Water | | | Dat | e Received: | 11/3/2015 | |
| Trichloroethene | | < 2.00 | ug/L | | | 11/6/2015 | 04:31 |
| Trichlorofluoromethar | ie | < 2.00 | ug/L | | | 11/6/2015 | 04:31 |
| Vinyl chloride | | < 2.00 | ug/L | | | 11/6/2015 | 04:31 |
| <u>Surrogate</u> | | <u>Pe</u> | ercent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| 1,2-Dichloroethane-d4 | | | 109 | 81.1 - 124 | | 11/6/2015 | 04:31 |
| 4-Bromofluorobenzen | e | | 91.9 | 79.8 - 114 | | 11/6/2015 | 04:31 |
| Pentafluorobenzene | | | 94.5 | 91.1 - 111 | | 11/6/2015 | 04:31 |
| Toluene-D8 | | | 94.1 | 90.7 - 107 | | 11/6/2015 | 04:31 |
| Method Referen Data File: | ce(s): EPA 62 x2740 | | | | | | |

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| Client: | <u>City of Rochester</u> | | |
|--------------------|---------------------------------------|----------------|-----------|
| Project Reference: | RFA Semi-Annual GW Sampling DEQ-98045 | | |
| Sample Identifier: | MW 10S | | |
| Lab Sample ID: | 154642-08 | Date Sampled: | 11/3/2015 |
| Matrix: | Water | Date Received: | 11/3/2015 |

Volatile Organics

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
|---------------------------|---------------|--------------|-----------|----------------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 11/6/2015 04:55 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 11/6/2015 04:55 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 11/6/2015 04:55 |
| 1,1-Dichloroethane | < 2.00 | ug/L | | 11/6/2015 04:55 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 11/6/2015 04:55 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 11/6/2015 04:55 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 11/6/2015 04:55 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 11/6/2015 04:55 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 11/6/2015 04:55 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 11/6/2015 04:55 |
| 2-Chloroethyl vinyl Ether | < 10.0 | ug/L | | 11/6/2015 04:55 |
| Benzene | < 1.00 | ug/L | | 11/6/2015 04:55 |
| Bromodichloromethane | < 2.00 | ug/L | | 11/6/2015 04:55 |
| Bromoform | < 5.00 | ug/L | | 11/6/2015 04:55 |
| Bromomethane | < 2.00 | ug/L | | 11/6/2015 04:55 |
| Carbon Tetrachloride | < 2.00 | ug/L | | 11/6/2015 04:55 |
| Chlorobenzene | < 2.00 | ug/L | | 11/6/2015 04:55 |
| Chloroethane | < 2.00 | ug/L | | 11/6/2015 04:55 |
| Chloroform | < 2.00 | ug/L | | 11/6/2015 04:55 |
| Chloromethane | < 2.00 | ug/L | | 11/6/2015 04:55 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | | 11/6/2015 04:55 |
| Dibromochloromethane | < 2.00 | ug/L | | 11/6/2015 04:55 |
| Ethylbenzene | < 2.00 | ug/L | | 11/6/2015 04:55 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | | 11/6/2015 04:55 |
| Methylene chloride | < 5.00 | ug/L | | 11/6/2015 04:55 |
| Tetrachloroethene | < 2.00 | ug/L | | 11/6/2015 04:55 |
| Toluene | < 2.00 | ug/L | | 11/6/2015 04:55 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | | 11/6/2015 04:55 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | | 11/6/2015 04:55 |
| | | | | |

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| Client: | <u>City of Roch</u> | <u>ester</u> | | | | | |
|------------------------------|-------------------------|--------------|-----------------|---------------|-----------------|-------------------|------------|
| Project Reference: | RFA Semi-An | nual GW | Sampling DEQ- | 98045 | | | |
| Sample Identifier: | MW 10S | | | | | | |
| Lab Sample ID: | 154642-08 | | | Dat | e Sampled: | 11/3/2015 | |
| Matrix: | Water | | | Dat | e Received: | 11/3/2015 | |
| Trichloroethene | | < 2.00 | ug/L | | | 11/6/2015 | 04:55 |
| Trichlorofluoromethar | ie | < 2.00 | ug/L | | | 11/6/2015 | 04:55 |
| Vinyl chloride | | < 2.00 | ug/L | | | 11/6/2015 | 04:55 |
| <u>Surrogate</u> | | <u>P</u> | ercent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | <u>zed</u> |
| 1,2-Dichloroethane-d4 | | | 106 | 81.1 - 124 | | 11/6/2015 | 04:55 |
| 4-Bromofluorobenzen | е | | 91.3 | 79.8 - 114 | | 11/6/2015 | 04:55 |
| Pentafluorobenzene | | | 93.8 | 91.1 - 111 | | 11/6/2015 | 04:55 |
| Toluene-D8 | | | 93.9 | 90.7 - 107 | | 11/6/2015 | 04:55 |
| Method Referen Data File: | ce(s): EPA 62 x27409 | - | | | | | |

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| Client: | <u>City of Rochester</u> | | |
|--------------------|---------------------------------------|----------------|-----------|
| Project Reference: | RFA Semi-Annual GW Sampling DEQ-98045 | | |
| Sample Identifier: | MW 11I | | |
| Lab Sample ID: | 154642-09 | Date Sampled: | 11/3/2015 |
| Matrix: | Water | Date Received: | 11/3/2015 |

Volatile Organics

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier Date Analyze | <u>ed</u> |
|---------------------------|---------------|--------------|------------------------|-----------|
| 1,1,1-Trichloroethane | < 10.0 | ug/L | 11/6/2015 05 | 5:18 |
| 1,1,2,2-Tetrachloroethane | < 10.0 | ug/L | 11/6/2015 05 | 5:18 |
| 1,1,2-Trichloroethane | < 10.0 | ug/L | 11/6/2015 05 | 5:18 |
| 1,1-Dichloroethane | < 10.0 | ug/L | 11/6/2015 05 | 5:18 |
| 1,1-Dichloroethene | < 10.0 | ug/L | 11/6/2015 05 | 5:18 |
| 1,2-Dichlorobenzene | < 10.0 | ug/L | 11/6/2015 05 | 5:18 |
| 1,2-Dichloroethane | < 10.0 | ug/L | 11/6/2015 05 | 5:18 |
| 1,2-Dichloropropane | < 10.0 | ug/L | 11/6/2015 05 | 5:18 |
| 1,3-Dichlorobenzene | < 10.0 | ug/L | 11/6/2015 05 | 5:18 |
| 1,4-Dichlorobenzene | < 10.0 | ug/L | 11/6/2015 09 | 5:18 |
| 2-Chloroethyl vinyl Ether | < 50.0 | ug/L | 11/6/2015 09 | 5:18 |
| Benzene | < 5.00 | ug/L | 11/6/2015 09 | 5:18 |
| Bromodichloromethane | < 10.0 | ug/L | 11/6/2015 09 | 5:18 |
| Bromoform | < 25.0 | ug/L | 11/6/2015 09 | 5:18 |
| Bromomethane | < 10.0 | ug/L | 11/6/2015 09 | 5:18 |
| Carbon Tetrachloride | < 10.0 | ug/L | 11/6/2015 09 | 5:18 |
| Chlorobenzene | < 10.0 | ug/L | 11/6/2015 09 | 5:18 |
| Chloroethane | < 10.0 | ug/L | 11/6/2015 09 | 5:18 |
| Chloroform | < 10.0 | ug/L | 11/6/2015 09 | 5:18 |
| Chloromethane | < 10.0 | ug/L | 11/6/2015 09 | 5:18 |
| cis-1,3-Dichloropropene | < 10.0 | ug/L | 11/6/2015 09 | 5:18 |
| Dibromochloromethane | < 10.0 | ug/L | 11/6/2015 09 | 5:18 |
| Ethylbenzene | < 10.0 | ug/L | 11/6/2015 09 | 5:18 |
| Methyl tert-butyl Ether | < 10.0 | ug/L | 11/6/2015 09 | 5:18 |
| Methylene chloride | < 25.0 | ug/L | 11/6/2015 05 | 5:18 |
| Tetrachloroethene | < 10.0 | ug/L | 11/6/2015 05 | 5:18 |
| Toluene | < 10.0 | ug/L | 11/6/2015 05 | 5:18 |
| trans-1,2-Dichloroethene | < 10.0 | ug/L | 11/6/2015 05 | 5:18 |
| trans-1,3-Dichloropropene | < 10.0 | ug/L | 11/6/2015 05 | 5:18 |
| | | | | |

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| Client: | <u>City of Roche</u> | <u>ester</u> | | | | | |
|--------------------------------|---------------------------------|--------------------------------------|-----------------|-------------------|-----------------|-------------------|------------|
| Project Reference: | RFA Semi-An | FA Semi-Annual GW Sampling DEQ-98045 | | | | | |
| Sample Identifier: | MW 11I | | | | | | |
| Lab Sample ID: | 154642-09 | | | Dat | e Sampled: | 11/3/2015 | |
| Matrix: | Water | | | Dat | e Received: | 11/3/2015 | |
| Trichloroethene | | < 10.0 | ug/L | | | 11/6/2015 | 05:18 |
| Trichlorofluoromethar | ıe | < 10.0 | ug/L | | | 11/6/2015 | 05:18 |
| Vinyl chloride | | 435 | ug/L | | | 11/6/2015 | 05:18 |
| <u>Surrogate</u> | | P | ercent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | <u>zed</u> |
| 1,2-Dichloroethane-d4 | | | 106 | 81.1 - 124 | | 11/6/2015 | 05:18 |
| 4-Bromofluorobenzen | e | | 89.3 | 79.8 - 114 | | 11/6/2015 | 05:18 |
| Pentafluorobenzene | | | 95.9 | 91.1 - 111 | | 11/6/2015 | 05:18 |
| Toluene-D8 | | | 92.8 | 90.7 - 107 | | 11/6/2015 | 05:18 |
| Method Reference Data File: | ce(s): EPA 624 x27410 | - | | | | | |

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| Client: | <u>City of Rochester</u> | | |
|--------------------|---------------------------------------|----------------|-----------|
| Project Reference: | RFA Semi-Annual GW Sampling DEQ-98045 | | |
| Sample Identifier: | MW 15S | | |
| Lab Sample ID: | 154642-10 | Date Sampled: | 11/3/2015 |
| Matrix: | Water | Date Received: | 11/3/2015 |

Volatile Organics

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | Qualifier Date Analyzed |
|---------------------------|---------------|--------------|-------------------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | 11/6/2015 05:41 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | 11/6/2015 05:41 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | 11/6/2015 05:41 |
| 1,1-Dichloroethane | < 2.00 | ug/L | 11/6/2015 05:41 |
| 1,1-Dichloroethene | < 2.00 | ug/L | 11/6/2015 05:41 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | 11/6/2015 05:41 |
| 1,2-Dichloroethane | < 2.00 | ug/L | 11/6/2015 05:41 |
| 1,2-Dichloropropane | < 2.00 | ug/L | 11/6/2015 05:41 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | 11/6/2015 05:41 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | 11/6/2015 05:41 |
| 2-Chloroethyl vinyl Ether | < 10.0 | ug/L | 11/6/2015 05:41 |
| Benzene | < 1.00 | ug/L | 11/6/2015 05:41 |
| Bromodichloromethane | < 2.00 | ug/L | 11/6/2015 05:41 |
| Bromoform | < 5.00 | ug/L | 11/6/2015 05:41 |
| Bromomethane | < 2.00 | ug/L | 11/6/2015 05:41 |
| Carbon Tetrachloride | < 2.00 | ug/L | 11/6/2015 05:41 |
| Chlorobenzene | < 2.00 | ug/L | 11/6/2015 05:41 |
| Chloroethane | < 2.00 | ug/L | 11/6/2015 05:41 |
| Chloroform | < 2.00 | ug/L | 11/6/2015 05:41 |
| Chloromethane | < 2.00 | ug/L | 11/6/2015 05:41 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | 11/6/2015 05:41 |
| Dibromochloromethane | < 2.00 | ug/L | 11/6/2015 05:41 |
| Ethylbenzene | < 2.00 | ug/L | 11/6/2015 05:41 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | 11/6/2015 05:41 |
| Methylene chloride | < 5.00 | ug/L | 11/6/2015 05:41 |
| Tetrachloroethene | < 2.00 | ug/L | 11/6/2015 05:41 |
| Toluene | < 2.00 | ug/L | 11/6/2015 05:41 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | 11/6/2015 05:41 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 11/6/2015 05:41 |
| | | | |

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| Client: | <u>City of Roch</u> | ester | | | | | |
|------------------------------|-----------------------|-----------|-----------------|---------------|-----------------|------------|-------|
| Project Reference: | RFA Semi-Ar | nnual GW | Sampling DEQ- | 98045 | | | |
| Sample Identifier: | MW 15S | | | | | | |
| Lab Sample ID: | 154642-10 | | | Dat | e Sampled: | 11/3/2015 | |
| Matrix: | Water | | | Dat | e Received: | 11/3/2015 | |
| Trichloroethene | | < 2.00 | ug/L | | | 11/6/2015 | 05:41 |
| Trichlorofluoromethar | ie | < 2.00 | ug/L | | | 11/6/2015 | 05:41 |
| Vinyl chloride | | < 2.00 | ug/L | | | 11/6/2015 | 05:41 |
| <u>Surrogate</u> | | <u>Pe</u> | ercent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| 1,2-Dichloroethane-d4 | | | 109 | 81.1 - 124 | | 11/6/2015 | 05:41 |
| 4-Bromofluorobenzen | e | | 89.7 | 79.8 - 114 | | 11/6/2015 | 05:41 |
| Pentafluorobenzene | | | 92.0 | 91.1 - 111 | | 11/6/2015 | 05:41 |
| Toluene-D8 | | | 94.7 | 90.7 - 107 | | 11/6/2015 | 05:41 |
| Method Referen Data File: | ce(s): EPA 6 x2741 | | | | | | |

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Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"*J*" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns. "NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted. "(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

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GENERAL TERMS AND CONDITIONS LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, tern or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

| Warranty. | Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied. |
|------------------------------|--|
| Scope and Compensation. | LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order. Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required. |
| Prices. | Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees. |
| Limitations of Liability. | In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re- perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services. LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results. All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB. Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested. |
| Hazard Disclosure. | Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws. |
| Sample Handling. | Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report. Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples. LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis. |
| Legal Responsibility. | LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence. |
| Assignment. | LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report. |
| Force Majeure. | LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control. |
| Law. | This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision. |

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| P.I.F. | Date/Time: | 3/15-15 | | 2 Co | @ Lab/By: | - Received @ | ē. | Date/Time: | | | | Received By: | Re |
|---------------------------------|--------------------|------------|------------------|---------------------|-------------------------------|------------------|--------------------------|---|----------|------------------------|----------------------|--|--------|
| | Date/Time: | 1/2/11 | | montari | NU Z | Réceived By: | ē | Date/Time: | | | By: | Relinquished By: | Re |
| Total Cost: | Date/Time: | 11811 | JUD | HU | ied By: | Belinguished By: | ē | Date/Time: | | Dennis Peck | Deni | Sampled By: | Sa |
| 1/9°C 11, | TEMPERATURE: | | HOLDING TIME: | Т | | PRESERVATIONS: | | CONTAINER TYPE: | 8 | Check box eviation: | DITION: or note d | SAMPLE CONDITION: Check box if acceptable or note deviation: | ifa |
| | | | | | | | | | | Y** | ONL | **LAB USE ONLY** | ** |
| | | | | × | Water 2 | W | dates and a | MW 15S | × | γ | 1342 | | 10 |
| | | | | × | Water 2 | V | | MW 111 | × | Ŕ | 1348 | - | 9 |
| | | | | × | Water 2 | W | | MW 10S | × | 6 | 1356 | -anen (sanna | 8 |
| | | | | × | Water 2 | × | | MW 10I | | 5 | 1359 | | 7 |
| | | | | × | Water 2 | W | | MW 9D | \times | Ŵ | 2584 | and the second | တ |
| | | | | × | Water 2 | V | | MW 8I | × | 8 | 1436 | Non-California | ഗ |
| | | | | × | Water 2 | × | | MW 7S | × | 100000 | 1421 | ntaryota tirgina | 4 |
| | | | | × | Water 2 | W | | MW 7D | | | 1415 | essorian Bedr | ω |
| | | | | × | Water 2 | N | | MW 7I | | | 14/3 | e uunquartur e | N |
| | | | | × | Water 2 | W | | MW 6I | X | 7 | 1400 | 2/12/13 | |
| PARADIGM LAB SAMPLE NUMBER | REMARKS | | | ∞ 601/602 + MTBE | צע⊢ת-× צ⊃צסחת מסצ⊢ע-צחת | | SAMPLE LOCATION/FIELD ID | SAMPLE | טנר≺ם | m ח⊣-02דס0 | TIME | DATE | |
| hy | | D ANALYSIS | | REQU | | | | | | | | DEQ-98045 | 臣 |
| 100 | | | | V | ester.go | @cityofroch | ts to peckd | RFA semi-annual GW samplii comments: email results to peckd@cityofrochester.gov | COMMENTS | W sampli | nnual G | A semi-ar | R |
| 35 | 1 2 | | | | ATTN: | | | ATTN: DENNIS PECK | ATTN: DE | | TE NAME: | PROJECT NAME/SITE NAME: | PRO |
| STD | | ĉ | FAX: | | PHONE: | 28-6010 | FAX: 585-428-6010 | PHONE: 585-428-6884 | PHONE: 5 | | * (800) 7 | (585) 647-2530 * (800) 724-1997 | (58 |
| TURNAROUND TIME: (WORKING DAYS) | ZIP: TURNAROUND II | STATE: | | | | Y ZIP: 14614 | STATE: NY | CITY: ROCHESTER | CITY: RO | | 14608 | Rochester, NY 14608 | Ro : |
| 7 | | | | ESS: | ADDRESS: | OOM 300B | STREET, R | ADDRESS: 30 CHURCH STREET, ROOM 300B | ADDRESS: | | Đ | 170 I ake Avenue | 170 |
| CLIENT PROJECT #: | LAB PROJECT #: | | | ANY: | COMPANY: | | HESTER | COMPANY: CITY OF ROCHESTER | COMPANY: | | ທ | SERVICES. INC. | n N |
| | | TO: | INVOICE TO: | | | | REPORT TO: | RE | | | | ENVIRONMENTAL | Ш |
| | | | CHAIN OF CUSTODY | OFCU | HAIN | 0 | | | | Ω Z | 6 | ARADIGM | υ |
| | | | | | | | | | | | | | 014 |



Chain of Custody Supplement

24

2

| Client: | | (its of Rochester | Completed by: | Molifai |
|--|-------------------------------|---|-------------------------------------|------------------|
| Lab Project ID | : | 154642 | Date: | |
| | | Sample Condition Re Per NELAC/ELAP 210/241 | e quirements /242/243/244 | |
| Condition | N | ELAC compliance with the sample condi Yes | tion requirements upo No | n receipt N/A |
| Container Type | Comments | × | | |
| Transferred to met compliant containe | | | | |
| Headspace (<1 mL) | Comments | | | |
| Preservation | Comments | Ĺ. | | |
| Chlorine Absent (<0.10 ppm per t | est strip) Comments | VOA : CITY | | |
| Holding Time | Comments | | | |
| Temperature | Comments | 19°C 11/3/15 | 15 24 | |
| Sufficient Sample | e Quantity Comments | Ţ. | | |
| | | | | |



Analytical Report For

City of Rochester

For Lab Project ID

155055

Referencing

RFA Quarterly Sampling DEQ-98045 *Prepared* Wednesday, December 09, 2015

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

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Report Prepared Wednesday, December 09, 2015



| Client: | <u>, -</u> | <u>f Rochester</u> | | | |
|--|------------|-----------------------------------|--------------|----------------|----------------------|
| Project Reference: | RFA Q | uarterly Sampling D | EQ-98045 | | |
| Sample Identifier: | Efflu | ent | | | |
| Lab Sample ID: | 1550 | 55-01 | | Date Sampled: | 11/24/2015 |
| Matrix: | Wate | er | | Date Received: | 11/24/2015 |
| <u>Metals</u> | | | | | |
| Analyte | | Result | <u>Units</u> | Qualifier | Date Analyzed |
| Arsenic | | 0.00655 | mg/L | | 12/8/2015 12:13 |
| Cadmium | | < 0.00250 | mg/L | | 12/3/2015 20:46 |
| Chromium | | < 0.00500 | mg/L | | 12/3/2015 20:46 |
| Copper | | < 0.0125 | mg/L | | 12/3/2015 20:46 |
| Lead | | < 0.00500 | mg/L | | 12/3/2015 20:46 |
| Nickel | | < 0.0200 | mg/L | | 12/3/2015 20:46 |
| Selenium | | < 0.00500 | mg/L | | 12/8/2015 12:13 |
| Zinc | | < 0.0300 | mg/L | | 12/3/2015 20:46 |
| Method Referen Preparation Dat Data File: <u>Chlorinated Pestic</u> | e: | EPA 200.7 12/2/2015 120815a | | | |
| Analyte | | Result | <u>Units</u> | Qualifier | Date Analyzed |
| 4,4-DDD | | <0.100 | ug/L | | 12/1/2015 |
| 4,4-DDE | | <0.100 | ug/L | | 12/1/2015 |
| 4,4-DDT | | <0.100 | ug/L | | 12/1/2015 |
| Aldrin | | <0.100 | ug/L | | 12/1/2015 |
| alpha-BHC | | <0.100 | ug/L | | 12/1/2015 |
| beta-BHC | | <0.100 | ug/L | | 12/1/2015 |
| Chlordane | | <0.100 | ug/L | | 12/1/2015 |
| cis-Chlordane | | <0.100 | ug/L | | 12/1/2015 |
| delta-BHC | | < 0.100 | ug/L | | 12/1/2015 |
| Dieldrin | | < 0.100 | ug/L | | 12/1/2015 |
| Endosulfan I | | <0.100 | ug/L | | 12/1/2015 |
| Endosulfan II | | <0.100 | ug/L | | 12/1/2015 |
| Endosulfan Sulfate | | < 0.100 | ug/L | | 12/1/2015 |
| Endrin | | <0.100 | ug/L | | 12/1/2015 |
| Endrin Aldehyde | | <0.100 | ug/L | | 12/1/2015 |
| Endrin Ketone | | < 0.100 | ug/L | | 12/1/2015 |

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| Client: | <u>City of R</u> | <u>ochester</u> | | | |
|----------------------|-------------------|---|-------------------|---------------------------|----------------------|
| Project Reference | e: RFA Quar | terly Sampling DE | Q-98045 | | |
| Sample Identifie | er: Effluent | | | | |
| Lab Sample ID: | 155055 | ·01 | | Date Sampled: | 11/24/2015 |
| Matrix: | Water | | | Date Received: | 11/24/2015 |
| gamma-BHC (Li | ndane) | <0.100 | ug/L | | 12/1/2015 |
| Heptachlor | | < 0.100 | ug/L | | 12/1/2015 |
| Heptachlor Epo | xide | < 0.100 | ug/L | | 12/1/2015 |
| Methoxychlor | | < 0.100 | ug/L | | 12/1/2015 |
| Toxaphene | | <1.00 | ug/L | | 12/1/2015 |
| trans-Chlordane | <u>e</u> | <0.100 | ug/L | | 12/1/2015 |
| | | PA 608 1148 | | | |
| <u>pH</u> | | | | | |
| <u>Analyte</u> | | Result | <u>Units</u> | Qualifier | Date Analyzed |
| рН | | 8.23 @ 22.1 C | S.U. | | 11/24/2015 16:42 |
| | | M 4500 H+ B t for approval as part o | f their laboratoi | ry certification program. | |
| <u>Semi-Volatile</u> | <u>e Organics</u> | | | | |
| | | | | | |

| Analyte | Result | <u>Units</u> | Qualifier | Date Analyzed |
|------------------------------|-----------|--------------|-----------|----------------------|
| 3&4-Methylphenol | < 10.0 | ug/L | | 12/2/2015 11:09 |
| Bis (2-ethylhexyl) phthalate | < 10.0 | ug/L | | 12/2/2015 11:09 |
| Diethyl phthalate | 15.3 | ug/L | | 12/2/2015 11:09 |
| Method Reference(s): | EPA 8270D | | | |
| | EPA 3510C | | | |
| Preparation Date: | 12/1/2015 | | | |

Volatile Organics

Data File:

B08992.D

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
|---------------------------|---------------|--------------|-----------|----------------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 12/1/2015 18:12 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 12/1/2015 18:12 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 12/1/2015 18:12 |
| 1,1-Dichloroethane | 12.6 | ug/L | | 12/1/2015 18:12 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 12/1/2015 18:12 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 12/1/2015 18:12 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 12/1/2015 18:12 |

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| Client: | <u>City of Roche</u> | <u>ster</u> | | | | |
|-------------------------|----------------------|-------------|-------------|----------------|------------|-------|
| Project Reference: | RFA Quarterly | v Sampling | g DEQ-98045 | | | |
| Sample Identifier: | Effluent | | | | | |
| Lab Sample ID: | 155055-01 | | | Date Sampled: | 11/24/2015 | 5 |
| Matrix: | Water | | | Date Received: | 11/24/2015 | 5 |
| 1,2-Dichloropropane | | < 2.00 | ug/L | | 12/1/2015 | 18:12 |
| 1,3-Dichlorobenzene | | < 2.00 | ug/L | | 12/1/2015 | 18:12 |
| 1,4-Dichlorobenzene | | < 2.00 | ug/L | | 12/1/2015 | 18:12 |
| 2-Butanone | | 55.3 | ug/L | | 12/1/2015 | 18:12 |
| 2-Chloroethyl vinyl Eth | ier | < 10.0 | ug/L | | 12/1/2015 | 18:12 |
| 4-Methyl-2-pentanone | | < 5.00 | ug/L | | 12/1/2015 | 18:12 |
| Acetone | | 32.3 | ug/L | | 12/1/2015 | 18:12 |
| Benzene | | < 1.00 | ug/L | | 12/1/2015 | 18:12 |
| Bromodichloromethan | e | < 2.00 | ug/L | | 12/1/2015 | 18:12 |
| Bromoform | | < 5.00 | ug/L | | 12/1/2015 | 18:12 |
| Bromomethane | | < 2.00 | ug/L | | 12/1/2015 | 18:12 |
| Carbon Tetrachloride | | < 2.00 | ug/L | | 12/1/2015 | 18:12 |
| Chlorobenzene | | < 2.00 | ug/L | | 12/1/2015 | 18:12 |
| Chloroethane | | < 2.00 | ug/L | | 12/1/2015 | 18:12 |
| Chloroform | | < 2.00 | ug/L | | 12/1/2015 | 18:12 |
| Chloromethane | | < 2.00 | ug/L | | 12/1/2015 | 18:12 |
| cis-1,3-Dichloropropen | ie | < 2.00 | ug/L | | 12/1/2015 | 18:12 |
| Dibromochloromethan | e | < 2.00 | ug/L | | 12/1/2015 | 18:12 |
| Ethylbenzene | | < 2.00 | ug/L | | 12/1/2015 | 18:12 |
| Methylene chloride | | < 5.00 | ug/L | | 12/1/2015 | 18:12 |
| Tetrachloroethene | | < 2.00 | ug/L | | 12/1/2015 | 18:12 |
| Toluene | | < 2.00 | ug/L | | 12/1/2015 | 18:12 |
| trans-1,2-Dichloroethe | ne | < 2.00 | ug/L | | 12/1/2015 | 18:12 |
| trans-1,3-Dichloroprop | oene | < 2.00 | ug/L | | 12/1/2015 | 18:12 |
| Trichloroethene | | < 2.00 | ug/L | | 12/1/2015 | 18:12 |
| Vinyl chloride | | < 2.00 | ug/L | | 12/1/2015 | 18:12 |

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Lab Project ID: 155055

| Client: | City of | ity of Rochester | | | | | | | | | | | |
|--------------------------------|---------|---------------------|------------------|-----------------|------------|------------|-------|--|--|--|--|--|--|
| Project Reference: | RFA Qu | arterly San | npling DEQ-98045 | | | | | | | | | | |
| Sample Identifier: | Effluer | nt | | | | | | | | | | | |
| Lab Sample ID: | 15505 | 5-01 | | Dat | e Sampled: | 11/24/2015 | | | | | | | |
| Matrix: | Water | | e Received: | 11/24/2015 | | | | | | | | | |
| Surrogate | | Percent Recovery | Limits | <u>Outliers</u> | Date Analy | zed | | | | | | | |
| 1,2-Dichloroethane-d4 | | | 113 | 81.1 - 124 | | 12/1/2015 | 18:12 | | | | | | |
| 4-Bromofluorobenzen | е | | 88.5 | 79.8 - 114 | | 12/1/2015 | 18:12 | | | | | | |
| Pentafluorobenzene | | | 101 | 91.1 - 111 | | 12/1/2015 | 18:12 | | | | | | |
| Toluene-D8 | | | 97.8 | 90.7 - 107 | | 12/1/2015 | 18:12 | | | | | | |
| Method Reference Data File: | ce(s): | EPA 624 x27911.D | | | | | | | | | | | |

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Lab Project ID: 155055

| Client: | <u>City o</u> | <u>f Rochester</u> | | | |
|---|------------------------|-----------------------------------|--------------|---------------------------------|--------------------------|
| Project Reference: | RFA Q | uarterly Sampling D | EQ-98045 | | |
| Sample Identifier: Lab Sample ID: Matrix: | Influe 1550 Wate | 55-02 | | Date Sampled: Date Received: | 11/24/2015 11/24/2015 |
| <u>Total Alkalinity</u> | | | | | |
| <u>Analyte</u> | | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
| Alkalinity, Total | | 440 | mg/L | | 11/30/2015 |
| Method Referen Subcontractor F | | SM 2320 B 11148 | | | |
| <u>Total Hardness</u> | | | | | |
| Analyte | | Result | <u>Units</u> | Qualifier | Date Analyzed |
| Hardness, Total | | 624 | mg/L | | 12/3/2015 |
| Method Referen Preparation Da | | EPA 200.7 12/1/2015 | | | |
| <u>Metals</u> | | | | | |
| <u>Analyte</u> | | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
| Arsenic | | 0.00640 | mg/L | | 12/8/2015 12:17 |
| Cadmium | | < 0.00250 | mg/L | | 12/3/2015 16:46 |
| Chromium | | < 0.00500 | mg/L | | 12/3/2015 16:46 |
| Copper | | < 0.0125 | mg/L | | 12/3/2015 16:46 |
| Lead | | < 0.00500 | mg/L | | 12/3/2015 16:46 |
| Nickel | | < 0.0200 | mg/L | | 12/3/2015 16:46 |
| Selenium | | < 0.00500 | mg/L | | 12/8/2015 12:17 |
| Zinc | | < 0.0300 | mg/L | | 12/3/2015 16:46 |
| Method Referen Preparation Da Data File: | | EPA 200.7 12/1/2015 120815a | | | |
| <u>Chlorinated Pesti</u> | <u>cides</u> | | | | |
| <u>Analyte</u> | | Result | <u>Units</u> | Qualifier | Date Analyzed |
| 4,4-DDD | | <0.100 | ug/L | | 12/1/2015 |
| 4,4-DDE | | <0.100 | ug/L | | 12/1/2015 |
| 4,4-DDT | | <0.100 | ug/L | | 12/1/2015 |
| Aldrin | | <0.100 | ug/L | | 12/1/2015 |
| alpha-BHC | | <0.100 | ug/L | | 12/1/2015 |

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| Client: | <u>City of Roche</u> | <u>ster</u> | | | |
|--------------------------------------|-----------------------|---------------|--------------|----------------|----------------------|
| Project Reference: | RFA Quarterly | v Sampling DE | Q-98045 | | |
| Sample Identifier: Lab Sample ID: | Influent 155055-02 | | | Date Sampled: | 11/24/2015 |
| Matrix: | Water | | | Date Received: | 11/24/2015 |
| beta-BHC | | <0.100 | ug/L | | 12/1/2015 |
| Chlordane | | <0.100 | ug/L | | 12/1/2015 |
| cis-Chlordane | | < 0.100 | ug/L | | 12/1/2015 |
| delta-BHC | | < 0.100 | ug/L | | 12/1/2015 |
| Dieldrin | | < 0.100 | ug/L | | 12/1/2015 |
| Endosulfan I | | < 0.100 | ug/L | | 12/1/2015 |
| Endosulfan II | | <0.100 | ug/L | | 12/1/2015 |
| Endosulfan Sulfate | | <0.100 | ug/L | | 12/1/2015 |
| Endrin | | <0.100 | ug/L | | 12/1/2015 |
| Endrin Aldehyde | | <0.100 | ug/L | | 12/1/2015 |
| Endrin Ketone | | <0.100 | ug/L | | 12/1/2015 |
| gamma-BHC (Lindane | e) | <0.100 | ug/L | | 12/1/2015 |
| Heptachlor | | <0.100 | ug/L | | 12/1/2015 |
| Heptachlor Epoxide | | < 0.100 | ug/L | | 12/1/2015 |
| Methoxychlor | | <0.100 | ug/L | | 12/1/2015 |
| Toxaphene | | <1.00 | ug/L | | 12/1/2015 |
| trans-Chlordane | | <0.100 | ug/L | | 12/1/2015 |
| Method Referen Subcontractor I | | | | | |
| <u>pH</u> | | | | | |
| <u>Analyte</u> | | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
| рН | | 7.02 @ 21.9 C | S.U. | | 11/24/2015 16:42 |
| Method Referen | nce(s): SM 4500 | H+ B | | | |

ELAP does not offer this test for approval as part of their laboratory certification program.

Volatile Organics

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
|---------------------------|---------------|--------------|-----------|----------------------|
| 1,1,1-Trichloroethane | 2770 | ug/L | | 12/1/2015 17:48 |
| 1,1,2,2-Tetrachloroethane | < 200 | ug/L | | 12/1/2015 17:48 |
| 1,1,2-Trichloroethane | < 200 | ug/L | | 12/1/2015 17:48 |
| 1,1-Dichloroethane | 8470 | ug/L | | 12/1/2015 17:48 |
| 1,1-Dichloroethene | 237 | ug/L | | 12/1/2015 17:48 |

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| Client: | <u>City of Roche</u> | <u>ster</u> | | | |
|------------------------|----------------------|-------------|-----------|----------------|-----------------|
| Project Reference: | RFA Quarterly | v Sampling | DEQ-98045 | | |
| Sample Identifier: | Influent | | | | |
| Lab Sample ID: | 155055-02 | | | Date Sampled: | 11/24/2015 |
| Matrix: | Water | | | Date Received: | 11/24/2015 |
| 1,2-Dichlorobenzene | | < 200 | ug/L | | 12/1/2015 17:48 |
| 1,2-Dichloroethane | | < 200 | ug/L | | 12/1/2015 17:48 |
| 1,2-Dichloropropane | | < 200 | ug/L | | 12/1/2015 17:48 |
| 1,3-Dichlorobenzene | | < 200 | ug/L | | 12/1/2015 17:48 |
| 1,4-Dichlorobenzene | | < 200 | ug/L | | 12/1/2015 17:48 |
| 2-Butanone | | < 1000 | ug/L | | 12/1/2015 17:48 |
| 2-Chloroethyl vinyl Et | her | < 1000 | ug/L | | 12/1/2015 17:48 |
| 4-Methyl-2-pentanone | 2 | < 500 | ug/L | | 12/1/2015 17:48 |
| Acetone | | < 1000 | ug/L | | 12/1/2015 17:48 |
| Benzene | | < 100 | ug/L | | 12/1/2015 17:48 |
| Bromodichloromethar | ie | < 200 | ug/L | | 12/1/2015 17:48 |
| Bromoform | | < 500 | ug/L | | 12/1/2015 17:48 |
| Bromomethane | | < 200 | ug/L | | 12/1/2015 17:48 |
| Carbon Tetrachloride | | < 200 | ug/L | | 12/1/2015 17:48 |
| Chlorobenzene | | < 200 | ug/L | | 12/1/2015 17:48 |
| Chloroethane | | 308 | ug/L | | 12/1/2015 17:48 |
| Chloroform | | < 200 | ug/L | | 12/1/2015 17:48 |
| Chloromethane | | < 200 | ug/L | | 12/1/2015 17:48 |
| cis-1,3-Dichloroprope | ne | < 200 | ug/L | | 12/1/2015 17:48 |
| Dibromochloromethar | ie | < 200 | ug/L | | 12/1/2015 17:48 |
| Ethylbenzene | | < 200 | ug/L | | 12/1/2015 17:48 |
| Methylene chloride | | < 500 | ug/L | | 12/1/2015 17:48 |
| Tetrachloroethene | | < 200 | ug/L | | 12/1/2015 17:48 |
| Toluene | | 510 | ug/L | | 12/1/2015 17:48 |
| trans-1,2-Dichloroethe | ene | < 200 | ug/L | | 12/1/2015 17:48 |
| trans-1,3-Dichloropro | pene | < 200 | ug/L | | 12/1/2015 17:48 |
| Trichloroethene | | < 200 | ug/L | | 12/1/2015 17:48 |
| Vinyl chloride | | 1370 | ug/L | | 12/1/2015 17:48 |

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Lab Project ID: 155055

| Client: | <u>City of F</u> | ity of Rochester | | | | | | | | | | | |
|------------------------------|------------------|---------------------|-----------------|-------------------|-------------------|------------|-------|--|--|--|--|--|--|
| Project Reference: | RFA Qua | rterly San | pling DEQ-98045 | | | | | | | | | | |
| Sample Identifier: | Influen | t | | | | | | | | | | | |
| Lab Sample ID: | 155055 | 5-02 | | Date | e Sampled: | 11/24/2015 | | | | | | | |
| Matrix: | Water | | e Received: | 11/24/2015 | | | | | | | | | |
| Surrogate | | Percent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed | | | | | | | |
| 1,2-Dichloroethane-d4 | | | 112 | 81.1 - 124 | | 12/1/2015 | 17:48 | | | | | | |
| 4-Bromofluorobenzen | е | | 90.1 | 79.8 - 114 | | 12/1/2015 | 17:48 | | | | | | |
| Pentafluorobenzene | | | 98.4 | 91.1 - 111 | | 12/1/2015 | 17:48 | | | | | | |
| Toluene-D8 | | | 93.0 | 90.7 - 107 | | 12/1/2015 | 17:48 | | | | | | |
| Method Referen Data File: | | EPA 624 x27910.D | | | | | | | | | | | |

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Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"*J*" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns. "NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted. "(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

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GENERAL TERMS AND CONDITIONS LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, tern or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

| Warranty. | Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied. |
|--|--|
| Scope and | LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the |
| Compensation. | parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order. Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required. |
| Prices. | Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees. |
| Limitations of Liability. Hazard Disclosure. | In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re- perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services. LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results. All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB. Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any h |
| | with applicable laws. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample |
| Sample Handling. | remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report. Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples. LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis. |
| Legal Responsibility. | LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence. |
| Assignment. | LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report. |
| Force Majeure. | LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control. |
| Law. | This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision. |

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| Standard 5 day Batch QC Rush 3 day Category A Rush 2 day Category B Rush 1 day Other please indicate: 10 | Turnaround Time Report Supplements Availability contingent upon lab approval; additional fees may apply. | 9 | ω - | 7 | | - π - π | 4 | | - | 1 11/24/2015 1035 X | DATE COLLECTED TIME O G COLLECTED S B F B | | RFA Quarterly Sampling DEQ-98045 | PROJECT REFERENCE | | | | PARAUIGM |) | | |
|--|--|--------------------------------------|--------------------------------|--------------|---------------------------|------------------------------|-------------------|------------|---------------------------|-----------------------------------|--|--------------------|---|---------------------------|-----------------|-------------------------------|--------------------------------------|---------------------------|-----------------|------------------|---|
| Basic EDD NYSDEC EDD Other EDD Please indicate: | | | | | | | | | Influent | Effluent | SAMPLE IDENTIFIER | • | Matrix Codes: AQ - Aqueous Liquid NQ - Non-Aqueous Liquid | ATTN: Dennis Peck | PHONE: 428-6884 | CITY: Rochester STATE: NY ZIP | ADDRESS: 30 Church Street, Room 300B | CLIENT: City of Rochester | REPORT TO: | <u>C</u> | 179 Lake Avenue, Re |
| Relipquished By DaterTime Received By DaterTime Received By DaterTime Received @ Lab By DaterTime Received @ Lab By DaterTime | Dennis Teck 11/24/2 | | | | | | | | Water 7 X X X X X X | XXX | x - J - Z o m D O O T O J M M Z C Z o J M Z - Z - J Z O O 624 Site Specific 625 Site Specific 608 Pesticides Metals* Metals* HMO3 pH Alkalinity Hardness | REQUESTED ANALYSIS | WA - Water DW - Drinking Water S WG - Groundwater WW - Wastewater S | ATTN: | PHONE | 14614 | ADDRESS: | | | CHAIN OF CUSTODY | 179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311 |
| $\frac{16}{16}$ $\frac{13}{3}$ $\frac{15}{5}$ P.I.F. | | Alkalinity sample with No headspace. | As, Cd, Cr, Cu, Pb, Ni, Se, Zn | Metals list: | 4 Methylphenol (p cresol) | Bis (2-ehtylhexyl) phthalate | Diethyl phthalate | SVOA List: | 625 Site Specific = SMISC | 624 Site Specific =VRFA Test Name | REMARKS | | SD - Soil SD - Solid WP - Wipe OL - Oil SL - Sludge PT - Paint CK - Caulk AR - Air | peckd@cityofrochester.gov | Email: | Quotation #: | | | | | 647-3311 |
| ions. | | | | | | | | | C Y | 6 | PARADIGM LAB SAMPLE NUMBER | | Air | | Pa | ge 1 | 2 0 | f 1 4 | | | 291 |

Page 12 of 14

)

Chain of Custody Supplement

2012

| Client: | City of Rochester | Completed by: | molfail |
|---|---|----------------------------|-------------------|
| Lab Project ID: | 155055 | Date: | 1/24/15 |
| | Sample Condition Re Per NELAC/ELAP 210/241 | | |
| N Condition | ELAC compliance with the sample condit Yes | ion requirements upo No | on receipt N/A |
| Container Type | ĽX | | |
| Comments | | | |
| Transferred to method- compliant container | | | |
| Headspace (<1 mL) Comments | | | |
| Preservation Comments | - Xet | | |
| Chlorine Absent (<0.10 ppm per test strip) Comments | VOA ! CI- Ney - | | |
| Holding Time Comments | | y pif | |
| Temperature Comments | q°C 11/24/15 | - 1319 | ynet |
| Sufficient Sample Quantity Comments | | | |
| | | | |

| **LAB USE ONLY BELOW THIS LINE** Sample Condition: Per NELAC/ELAP 210/241/242/243/2441 Receipt Parameter N Client Contrainer Type: Y N Client Comments: Preservation: Y N Client Comments: Preservation: Y N Random Received By Date/Time Comments: Preservation: Y N N Received By Date/Time Comments: Holding Time: Y N N Received By Date/Time Comments: Bo of the performance Y N N Received By Date/Time Comments: Comperature: Y N N Received By Date/Time Comments: Comperature: Y N N Received By Date/Time Sample 23 of 23 Page 23 of 23 Y N N Received @ Lab By Date/Time | | | | | | TIME | REQUESTED ANALYSIS | commenters: Please email results to khansen@paradigmenv.com and reporting@paradigmenv.com | PROJECT NAMEISITE NAMEI ATTN: Kate Hansen ATTN: Meridith Diliman | PHONE: FAX: | CITY: Rochester STATE: NY ZIP: 14608 CITY: STATE | ADDRESS: 179 Lake Avenue ADDRESS: | nmental COMPANY: Sam | REPORT TO: | CHAIN OF CUSTODY | 179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) |
|---|--|--|--|--|--|--|---------------------------|---|--|-------------|--|-----------------------------------|----------------------------------|-------------|------------------|--|
| Will Date/Time Date/Time Date/Time U//JS//S Date/Time U//JS//S Date/Time U//JS//S Date/Time Date/Time | | | | | | Rest 608 | REQUESTED ANALYSIS | aradigmenv.com and reporting@paradigmenv.com | | | | ADDRESS: | Sam | INVOICE TO; | <u>SUSTODY</u> | r 14608 Office (585) 647-2530 Fax (585) 647-3311 |
| Fotal Cost | | | | | | REMARKS PARADIGM LAB SAMPLE NUMBER | | ⁿ Date Due: バンノム | $1 2 3 \times 5$ | STD | TURNAROUND TIME: (WORKING DAYS) | | LAB PROJECT #; CLIENT PROJECT #: | | LIS31040 11148 | Serial_No:12041513:45 |



Analytical Report For

City of Rochester

For Lab Project ID

155445

Referencing

RFA Monthly Sampling DEQ-98045 Prepared

Thursday, December 24, 2015

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt. Page 1 of 7

Report Prepared Thursday, December 24, 2015



| Client: | <u>City of Rochester</u> | | |
|--------------------|--------------------------------|----------------|------------|
| Project Reference: | RFA Monthly Sampling DEQ-98045 | | |
| Sample Identifier: | Effluent | | |
| Lab Sample ID: | 155445-01 | Date Sampled: | 12/21/2015 |
| Matrix: | Water | Date Received: | 12/21/2015 |

<u>рН</u>

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier | Date Analyzed |
|---------|---------------|--------------|------------------|----------------------|
| рН | 8.32 @ 22.0 C | S.U. | | 12/21/2015 16:14 |

Method Reference(s): SM 4500 H+ B

ELAP does not offer this test for approval as part of their laboratory certification program.

Volatile Organics

| Analyte | <u>Result</u> | <u>Units</u> | Qualifier Date Analyzed |
|---------------------------|---------------|--------------|-------------------------|
| 1,1,1-Trichloroethane | 5.94 | ug/L | 12/22/2015 18:02 |
| 1,1,2,2-Tetrachloroethane | < 5.00 | ug/L | 12/22/2015 18:02 |
| 1,1,2-Trichloroethane | < 5.00 | ug/L | 12/22/2015 18:02 |
| 1,1-Dichloroethane | 24.6 | ug/L | 12/22/2015 18:02 |
| 1,1-Dichloroethene | < 5.00 | ug/L | 12/22/2015 18:02 |
| 1,2-Dichlorobenzene | < 5.00 | ug/L | 12/22/2015 18:02 |
| 1,2-Dichloroethane | < 5.00 | ug/L | 12/22/2015 18:02 |
| 1,2-Dichloropropane | < 5.00 | ug/L | 12/22/2015 18:02 |
| 1,3-Dichlorobenzene | < 5.00 | ug/L | 12/22/2015 18:02 |
| 1,4-Dichlorobenzene | < 5.00 | ug/L | 12/22/2015 18:02 |
| 2-Butanone | 57.2 | ug/L | 12/22/2015 18:02 |
| 2-Chloroethyl vinyl Ether | < 25.0 | ug/L | 12/22/2015 18:02 |
| 4-Methyl-2-pentanone | < 12.5 | ug/L | 12/22/2015 18:02 |
| Acetone | 38.8 | ug/L | 12/22/2015 18:02 |
| Benzene | < 2.50 | ug/L | 12/22/2015 18:02 |
| Bromodichloromethane | < 5.00 | ug/L | 12/22/2015 18:02 |
| Bromoform | < 12.5 | ug/L | 12/22/2015 18:02 |
| Bromomethane | < 5.00 | ug/L | 12/22/2015 18:02 |
| Carbon Tetrachloride | < 5.00 | ug/L | 12/22/2015 18:02 |
| Chlorobenzene | < 5.00 | ug/L | 12/22/2015 18:02 |
| Chloroethane | < 5.00 | ug/L | 12/22/2015 18:02 |
| Chloroform | < 5.00 | ug/L | 12/22/2015 18:02 |
| Chloromethane | < 5.00 | ug/L | 12/22/2015 18:02 |

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| Client: | <u>City of Roch</u> | <u>ester</u> | | | | | |
|-----------------------------|--------------------------|--------------|----------------|---------------|-----------------|-------------------|------------|
| Project Reference: | RFA Monthly | Sampling | g DEQ-98045 | | | | |
| Sample Identifier: | Effluent | | | | | | |
| Lab Sample ID: | 155445-01 | | | Dat | e Sampled: | 12/21/2015 | 5 |
| Matrix: | Water | | | Dat | e Received: | 12/21/2015 | 5 |
| cis-1,3-Dichloroprope | ene | < 5.00 | ug/L | | | 12/22/2015 | 18:02 |
| Dibromochlorometha | ne | < 5.00 | ug/L | | | 12/22/2015 | 18:02 |
| Ethylbenzene | | < 5.00 | ug/L | | | 12/22/2015 | 18:02 |
| Methylene chloride | | < 12.5 | ug/L | | | 12/22/2015 | 18:02 |
| Tetrachloroethene | | < 5.00 | ug/L | | | 12/22/2015 | 18:02 |
| Toluene | | < 5.00 | ug/L | | | 12/22/2015 | 18:02 |
| trans-1,2-Dichloroeth | iene | < 5.00 | ug/L | | | 12/22/2015 | 18:02 |
| trans-1,3-Dichloropro | opene | < 5.00 | ug/L | | | 12/22/2015 | 18:02 |
| Trichloroethene | | < 5.00 | ug/L | | | 12/22/2015 | 18:02 |
| Vinyl chloride | | < 5.00 | ug/L | | | 12/22/2015 | 18:02 |
| <u>Surrogate</u> | | <u>Pe</u> | rcent Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | <u>zed</u> |
| 1,2-Dichloroethane-d | 4 | | 107 | 81.1 - 124 | | 12/22/2015 | 18:02 |
| 4-Bromofluorobenzer | ne | | 96.8 | 79.8 - 114 | | 12/22/2015 | 18:02 |
| Pentafluorobenzene | | | 106 | 91.1 - 111 | | 12/22/2015 | 18:02 |
| Toluene-D8 | | | 100 | 90.7 - 107 | | 12/22/2015 | 18:02 |
| Method Refere Data File: | nce(s): EPA 62 x28551 | | | | | | |

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Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns. "NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

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"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

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| Warranty. | Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied. |
|------------------------------|--|
| Scope and Compensation. | LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order. Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required. |
| Prices. | Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees. |
| Limitations of Liability. | In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re- perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services. LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results. All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB. Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested. |
| Hazard Disclosure. | Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws. |
| Sample Handling. | Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report. Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples. LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis. |
| Legal Responsibility. | LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence. |
| Assignment. | LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report. |
| Force Majeure. | LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control. |
| Law. | This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision. |

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| | Availability contingent u | Turnaround Time | 10 | φ φ | 7 | 6 | 5 | 4 | 3 | 2 | 1 12/21/2015 1960 | DATE COLLECTED COLLECTED | RFA Monthly Sampling DEQ-98045 | PROJECT REFERENCE | | | | PARADIGM | | |
|---|---|--------------------|----|-----|---|---|---|---|---|---|-----------------------------------|---|--|---------------------------|-----------------|---------------------------|--------------------------------------|---------------------------|-----------------|---|
| Category A Category B Category B Other please indicate: | upon lab a | | | | _ | | | | | | | m ⊣ − 0 0 0 2 0 0 | 0.980 | ICE | | | | | | |
| | Availability contingent upon lab approval; additional fees may apply. | Report Supplements | | | | | | | | | X Effluent | SAMPLE DENTIFIER | 45 Matrix Codes: AQ - Aqueous Liquid NQ - Non-Aqueous Liquid | ATTN: Dennis Peck | PHONE: 428-6884 | CITY: Rochester STATE: NY | ADDRESS: 30 Church Street, Room 300B | CLIENT: City of Rochester | | 179 Lake Ave |
| Refinquished By Received By Received & Lab Received & Lab | Sampled By | ſ | | | | - | | | | | Water | З∢⊢ ¤ - × - × - × - × - × - × - × - × - × - | WA - Water WG - Groundwater | AT | РН | ZIP 14614 CITY: | | | CHAIN OF CUSTOD | 179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311 |
| hed By Hed By He g De By UN/J/J By Lap By J/J/J/ | 121 | | | | | | | | | | а Х | 624 Site Specific | | ATTN: | PHONE: | IY: | ADDRESS: | CLIENT: | N N | 4608 O |
| | | | | | | | | | | | × | | | | | | | | S | ffice (585 |
| 15:57 | - | | | | | | | | 1 | | | | DW - Drinking Wat WW - Wastewater | | | | | | | i) 647-28 |
| | | | | | _ | | | | - | - | | | | | | STATE: | | | | 530 Fa |
| 13 erTime erTime erTime | é/Time | | | | | | | | | | | | SO - Soil SL - Sludge | | | ZIP: | | | 9 | x (585) 647-33 |
| ((, (, 0))) ((, (, 0))) ()) ()) ()) ()) ()) ()) ()) ()) ()) | | | | | | | | | | | 624 Site | | ige | | | | | | | 1 |
| 5 1551 5 1551 1(00) P.I.F. 1(00) See additional page for sample conditions. | Total Cost: | ٦ | | | | | | | | | 624 Site Specific =VRFA Test Name | REMARKS | SD - Solid WP - Wipe PT - Paint CK - Caulk | peckd@cityofrochester.gov | Email: | Quotation #: | 15544S | | | |
| conditions. | | | | | | | | | | | ne <i>o</i> / | PARADIGM LAB SAMPLE NUMBER | OL - Oil AR - Air | <u>vop</u> | | | | מו ד | |) 0 |
| Lana | £7., | | | | | | | | | | | | | | _ | Page | e 6 c | of 7 | | Id2 |



Chain of Custody Supplement

| Client: | City of Roch | Completed by: | politai |
|---|---|--------------------------------------|-------------------|
| Lab Project ID: | 159445 | Date: | 12/21/15 |
| | Sample Conditio Per NELAC/ELAP 21 | on Requirements 0/241/242/243/244 | |
| A Condition | IELAC compliance with the sample o Yes | condition requirements upo No | on receipt N/A |
| Container Type | \sim | | |
| Comments | | | |
| Transferred to method- compliant container | | | |
| Headspace (<1 mL) Comments | | | |
| Preservation | VOA X | | PH X |
| Chlorine Absent (<0.10 ppm per test strip) Comments | VDA ! CI- hy | · | CX PM |
| Holding Time Comments | | <u>T</u> | |
| Temperature Comments | | 12/2/15 155 | 7 |
| Sufficient Sample Quantity Comments | | | |
| | | | |

20/2

APPENDIX D

INSPECTION FORMS AND OPERATOR LOGS

Cover System Inspection Checklist

| Date: | 2/2 | 5/15 |
|----------|-------|------|
| Inspecte | d By: | DP |
| | | |

| ble Not Acceptable | Present | Not Present | Remarks |
|--------------------|---------|-------------|---------|
| | | × × × × × × | \$ |
| | | × | |
| | | | |
| | | * * * | |
| | | | |
| | | | |

Storm Water Collection System Inspection Checklist

| | 1 1 |
|-----------|---------|
| Date: | 2/25/15 |
| Inspected | By: DP |

.

| | Condition | | | | |
|-----------------------------------|-----------|--------------|---------|--|--|
| VISUAL EVALUATION ITEMS | Present | Not Present | Remarks | | |
| 1. Drainage Channels | | 0.000 | | | |
| a. Sediment Build-up | | × | | | |
| b. Pooling/ Ponding | | × | | | |
| c. Severe Cracking | | | | | |
| d. Erosion | | X | | | |
| e. Slope Loss | | × | | | |
| 2. South Disposal Area | | | | | |
| a. Sediment Build-up | | \checkmark | | | |
| b. Pooling/ Ponding | | | | | |
| c. Broken Pipe | | × | | | |
| d. Slope Loss | | × | | | |
| e. Grate Clogging | 6 | × | | | |
| 3. Drainage Structures #1, #2, #3 | | | | | |
| a. Flapper Valve Functioning | X | | | | |
| b. Broken/Cracked Pipe | ~ | X | | | |
| c. Cracked headwall structure | | X | | | |
| 4. Other Comments / Problems: | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Equipment Maintenance Schedule Checklist

| | 1 1 |
|-----------|---------|
| Date: | 2/25/15 |
| Inspected | By: DP |
| | |

| Notes |
|--------------------------------------|
| |
| |
| |
| |
| ng filters changed |
| |
| |
| |
| rmanently taken off-line in May 2000 |
| |
| manently taken off-l |

Date: Inspected By:



Rochester Fire Academy Quarterly Inspection and Maintenance Schedule Checklist

Location:

Groundwater Collection Trench

....

| Inspection | | | | |
|---|---|--------------------------|--------------|--|
| Item | Action | Action Result | | Notes |
| 1) Piezometers | Checked with water level indicator to ensure drawdown to desired elevation | Working Not Working | \checkmark | |
| Sediment Build-up in Manholes | Visually inspected manholes and pump station for sediment and obstructions | Present Not Present | \checkmark | |
| 3) Settling Along Ground Surface | Visually inspected ground surface along collection trench | Settling Not Settling | ~ | |
| 4) Manhole Covers | Visually inspected manhole and pump station covers | Present Not Present | \checkmark | |
| 5) Pumps | Refer to Manufacturer-s O&M manuals for inspection procedure | Checked Not Checked | \checkmark | |
| 6) Additional Items Inspected | | 1 | | |
| Maintenance | | | | |
| Item | Maintenance Activity | Maintenance Perform | med | Description of Maintenance Performed or Reason NOT Performed |
| 1) Pumps | Refer to Manufacturers O&M manuals for maintenance | Yes No | | |
| 2) Additional Maintenance Performed | | none | V | |
| 3) Additional Maintenance Performed | 5- - | | | |

| Date: Inspected By: | 2/25/15 DMP | Roch Quarterly Inspection | and M | Fire Academy aintenance Schedule Checklist Location: Sequestering Agen | t Feed System |
|--|--|------------------------------|-------|--|---------------------------------------|
| Inspection | | | | | |
| Item | Action | Action Result | | Notes | · · · · · · · · · · · · · · · · · · · |
| 1) Feed Pump | Visually inspected feed pump and its in-feed and out-feed lines | Acceptable | V | | |
| 2) Calibration | | Not Acceptable | | | |
| 2) Cambration | Checked calibration chamber to verify | Calibrated | V | | |
| | pumping rate | Not Calibrated | | | |
| 3) Sequestering Agent | Visually inspected sequestering agent, | Acceptable | V | | |
| | holding area and drums | Not Acceptable | | | |
| Additional Items Inspected | | | | | |
| 5) Additional Items Inspected | | | | | |
| 6) Additional Items Inspected | | | | | |
| Maintenance | | | I | | |
| Item | Maintenance Activity | Maintenance Perform | ned | Description of Maintenance Performed or Reason NOT P | erformed |
| 1) Calibrate Pumps | Calibrate pumps during every other (6 months) quarterly inspection | Yes | V | | |
| 2) Additional Maintenance Performed | | L | | | |
| 3) Additional Maintenance Performed | | | | | |

G:\ENVQUAL\DENNIS\Jobs\Rochester Fire Academy\RFA-PRR Annual Reports\Facility Inspection Checklist 9 page - Blank.docx

| Date: Inspected By: | 2/25/15 DMP | | | Fire Academy laintenance Schedule Checklist Location: Filter Bag Unit(s) |
|--|--|--|--------------|--|
| Inspection | ······ | | | |
| Item | Action | Action Result | | Notes |
| 1) Filter Bag Unit(s) | Visually inspect overall system | Acceptable | \checkmark | |
| 2) Filter Bags | Check pressure relief differential. Refer to O&M manual | Not Acceptable Checked Not Checked | V | |
| 3) Additional Items Inspected | | | | |
| Additional Items Inspected | | | | |
| 5) Additional Items Inspected | | | | |
| 6) Additional Items Inspected | | | | |
| Maintenance | | | | |
| Item | Maintenance Activity | Maintenance Perform | ned | Description of Maintenance Performed or Reason NOT Performed |
| 1) Swing Davit | Apply a small amount of grease to the swing davit every other (6 months) quarterly inspection | Yes No | ~ | |
| 2) Additional Maintenance Performed | | | | |
| 3) Additional Maintenance Performed | | | | |

Rochester Fire Academy Quarterly Inspection and Maintenance Schedule Checklist

| Date: Inspected By: | 2/25/15 DMP | | | Location: Feed Tank |
|--|---|--------------------------------------|--------------|--|
| Inspection | e | | | |
| Item | Action | Action Result | | Notes |
| 1) Feed Tank | Visually inspected tank for solids build-up | Solids Present Solids NOT Present | V | |
| 2) Feed Tank | Visually inspected overall system | Acceptable Not Acceptable | \checkmark | |
| 3) Additional Items Inspected | | | | |
| Additional Items Inspected | | | | |
| 5) Additional Items Inspected | | | | |
| 6) Additional Items Inspected | 2 | | | |
| Maintenance | | | | |
| Item | Maintenance Activity | Maintenance Perfor | med | Description of Maintenance Performed or Reason NOT Performed |
| 1) Feed Tank | If solids build up, refer to O&M manual for procedure | Yes No | ~ | |
| 2) Additional Maintenance Performed | | | | |
| 3) Additional Maintenance Performed | | | | |

| Rochester | Fire | Academy | |
|-----------|------|---------|--|
|-----------|------|---------|--|

Quarterly Inspection and Maintenance Schedule Checklist

Location:

Air Stripper and Feed Pumps

| Date: | |
|---------------|--|
| Inspected By: | |
| | |

DMP

| Inspection | | | | |
|--|--|--------------------|--------------|--|
| Item | Action | Action Result | | Notes |
| 1) Air Stripper | Visually inspected overall system | Acceptable | \checkmark | |
| | -, | Not Acceptable | | |
| 2) Stripper Trays | Visually inspected trays and checked air pressure | Acceptable | \checkmark | |
| · | P.+000ar0 | Not Acceptable | | |
| 3) Feed Pumps | Visually inspected feed pumps and all lines | Acceptable | \checkmark | |
| | | Not Acceptable | _ | |
| Additional Items Inspected | | | | |
| 5) Additional Items Inspected | | | | |
| 6) Additional Items Inspected | | | | |
| Maintenance | | | | |
| Item | Maintenance Activity | Maintenance Perfor | med | Description of Maintenance Performed or Reason NOT Performed |
| 1) Feed Pumps | Refer to Manufacturer s O&M manuals for | Yes | | |
| | maintenance | No | \sim | |
| | Clean trays every other (6 months) quarterly | Yes | | |
| | inspection, or when pressure is greater than 18" water | No | \checkmark | |
| 3) Additional Maintenance Performed | | | | |

Rochester Fire Academy Quarterly Inspection and Maintenance Schedule Checklist

| Date: Inspected By: | DMP | | | Location: Activated Carbon System |
|---|-------------------------------------|--------------------|-----|--|
| Inspection | | | | |
| Item | Action | Action Result | | Notes |
| 1) System | Visually inspected overall system | Acceptable | | N/A - Carbon Drums no longer on-line. |
| | | Not Acceptable | | NA - Carbon Druns no longer on-nine. |
| 2) Carbon Drums | Tested for PCB breakthrough | Present | | |
| | oroutinough | Not Present | | |
| 3) Additional Items Inspected | | | | |
| 4) Additional Items Inspected | | | | |
| 5) Additional Items Inspected | | | | |
| 6) Additional Items Inspected | | | | |
| Maintenance | | | | • |
| Item | Maintenance Activity | Maintenance Perfor | med | Description of Maintenance Performed or Reason NOT Performed |
| 1) Carbon Drums | As part of routine | Yes | | |
| | maintenance, check pressure drop | No | | |
| 2) Additional Maintenance Performed | | | | |
| 3) Additional Maintenance Performed | | | | |

Rochester Fire Academy Quarterly Inspection and Maintenance Schedule Checklist

| Date: Inspected By: | 2/25/15 DMP | | | Location: Instrumentation |
|--|---|---------------------|--------------|--|
| Inspection | | | | |
| Item | Action | Action Result | | Notes |
| 1) Instrumentation | Visually inspected overall | Acceptable | V | |
| | system | Not Acceptable | | |
| 2) Instrumentation | Visually inspected each instrument | Acceptable | \checkmark | 0 |
| | mstrument | Not Acceptable | | |
| 3) Additional Items Inspected | | | | |
| Additional Items Inspected | | | | |
| 5) Additional Items Inspected | | - | | |
| 6) Additional Items Inspected | | | | |
| Maintenance | | | | |
| Item | Maintenance Activity | Maintenance Perform | ned | Description of Maintenance Performed or Reason NOT Performed |
| 1) Instrumentation | Refer to each instrumentation manufacturers O&M manual | Yes No | ~ | |
| 2) Additional Maintenance Performed | | | | 3 |
| 3) Additional Maintenance Performed | | | | |

| Date: | 2/25/15 DMP | Rochester Fire Academy Quarterly Inspection and Maintenance Schedule Checklist Location: Building Sump Pit and Pumps | | | | |
|---|--|--|--------------|--|--|--|
| Inspection | | | | | | |
| Item | Action | Action Result | | Notes | | |
| 1) North Pump | Visually inspected overall system (pump and lines) | Acceptable Not Acceptable | \checkmark | | | |
| 2) South Pump | Visually inspected shaft seal and motor | Acceptable Not Acceptable | 7 | | | |
| 3) Sump Pit | Visually inspected pit for defects and obstructions | Acceptable Not Acceptable | V | | | |
| 4) Floats | Visually inspected automatic floats | Acceptable Not Acceptable | V | Replaced high + low floats on 2/10/15 | | |
| 5) Additional Items Inspected | | | 1 | | | |
| 6) Additional Items Inspected | | | | | | |
| Maintenance | | | | | | |
| Item | Maintenance Activity | Maintenance Perform | ned | Description of Maintenance Performed or Reason NOT Performed | | |
| I) Pumps | Refer to manufacturers O&M manuals for maintenance | Yes | | | | |
| 2) Additional Maintenance Performed | | | 2 | | | |
| 3) Additional Maintenance Performed | | | | | | |

Inspected By:

DMP

Date:

Rochester Fire Academy Quarterly Inspection and Maintenance Schedule Checklist Location: Tre Treatment Building & Facility Access

| Inspection | | | | |
|---|--|--------------------|--------------|--|
| Item | Action | Action Result | | Notes |
| 1) Building | Visually inspected overall appearance of the GWTP | Acceptable | V | |
| | appearance of the GW II | Not Acceptable | | |
| 2) Concrete | Visually inspected all concrete for cracks or | Acceptable | V | |
| | other indications of structural failure | Not Acceptable | | |
| 3) Building Enclosures | Visually inspected walls for bowing or indications | Acceptable | \checkmark | |
| | of failure | Not Acceptable | | |
| 4) Utilities | Visually inspected and checked utility service to | Present | ~ | |
| | entire building | Not Present | | |
| 5) Facility Access | Visually inspected roads, fences and gates | Acceptable | \checkmark | |
| | iences and gates | Not Acceptable | | |
| 6) Additional Items Inspected | | | | |
| Maintenance | | | | |
| Item | Maintenance Activity | Maintenance Perfor | med | Description of Maintenance Performed or Reason NOT Performed |
| 1) Overhead Door | Apply grease to track as | Yes | | Functioning properly. |
| | needed | No | ~ | |
| 2) Facility Access System | See Table 7-1 of GWTP | Yes | \checkmark | Functioning properly. |
| | O&M manual | No | | |
| 3) Additional Maintenance Performed | | | | |

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Cover System Inspection Checklist



| Condition | | | | |
|------------|----------------|---------------------------|---|---|
| Acceptable | Not Acceptable | Present | Not Present | Remarks |
| < | | | к [×] ×× _× | |
| × | | | ××× | |
| × | | | X X X X | some gaps at asphalt/concrete interface |
| - | × | Acceptable Not Acceptable | Acceptable Not Acceptable Present | Acceptable Not Acceptable Present Not Present X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X |

| Date: 5/29/15 | | Storm Water Collect | ction System Inspection Checklist | |
|-----------------------------------|--------------|---------------------|-----------------------------------|--|
| Inspected By: DP | | | 4 | |
| | Co | ondition | | |
| VISUAL EVALUATION ITEMS | Present | Not Present | Remarks | |
| 1. Drainage Channels | | 17 | | |
| a. Sediment Build-up | | | | |
| b. Pooling/ Ponding | | × | | |
| c. Severe Cracking | s | × | | |
| d. Erosion | | X | | |
| e. Slope Loss | | × ' | | |
| 2. South Disposal Area | | 1 | | |
| a. Sediment Build-up | | × | | |
| b. Pooling/ Ponding | | × | | |
| c. Broken Pipe | | × | | |
| d. Slope Loss | | × | | |
| e. Grate Clogging | | | | |
| 3. Drainage Structures #1, #2, #3 | | 1 | | |
| a. Flapper Valve Functioning | \checkmark | · [/ | | |
| b. Broken/Cracked Pipe | | | | |
| c. Cracked headwall structure | 8 | X | | |
| 4. Other Comments / Problems: | | | | |
| | | | | |
| 1 | | | | |
| 1 | | | | |
| L | | | | |

Equipment Maintenance Schedule Checklist

| | N 1 |
|-------------|---------|
| Date: | 5/29/15 |
| Inspected B | y. DP |

.

| tem | Maintenance Activity | Recommended Frequency | Date Performed | Notes |
|-------------------------------|-----------------------------|----------------------------|----------------|--|
| Sequestering Agent Feed Pumps | Replace Seal Rings | Annually | NA | |
| | Replace check valve balls | Annually | NA | |
| | Replace check valve springs | Annually | NA | |
| Bag filter unit | | when differential pressure | | |
| | Replace Bags | exceeds 10 psi | NA | |
| | Lubricate swing davits | Annually | NA | |
| Feed tank | Clean solids | when necessary | NA | |
| Air Stripper | Examine trays | Bi-weekly | NA | |
| | Clean/de-scale | Annually | NA | |
| Activated Carbon Vessels | N/A | N/A | NA | Permanently taken off-line in May 2000 |
| Discharge Tank | Clean Solids | As necessary | NA | |

Rochester Fire Academy Quarterly Inspection and Maintenance Schedule Checklist Location:

Groundwater Collection Trench

| Inspected | By: |
|-----------|-----|
| | |

Date:

5/29/15

DMP

| Inspection | | | | |
|---|---|--------------------------|--------------|--|
| Item | Action | Action Result | | Notes |
| 1) Piezometers | Checked with water level indicator to ensure drawdown to desired elevation | Working Not Working | | |
| Sediment Build-up in Manholes | Visually inspected manholes and pump station for sediment and obstructions | Present Not Present | V | |
| 3) Settling Along Ground Surface | Visually inspected ground surface along collection trench | Settling Not Settling | V | |
| 4) Manhole Covers | Visually inspected manhole and pump station covers | Present Not Present | \checkmark | |
| 5) Pumps | Refer to Manufacturer*s O&M manuals for inspection procedure | Checked Not Checked | V | |
| 6) Additional Items Inspected | | | | |
| Maintenance | | | | |
| Item | Maintenance Activity | Maintenance Perform | med | Description of Maintenance Performed or Reason NOT Performed |
| 1) Pumps | Refer to Manufacturers O&M manuals for maintenance | Yes No | ~ | |
| 2) Additional Maintenance Performed | | none | | 5/14/15 leak in PVC piping repaired |
| 3) Additional Maintenance Performed | | | | |

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| Date: Inspected By: | 5/25/15 DMP | Quarterly Inspection | and M | aintenance Schedule Checklist Location: | Sequestering Agent Feed System |
|---|--|------------------------------|--------------|--|--------------------------------|
| Inspection | | · · | <u></u> | | |
| Item | Action | Action Result | | Notes | |
| 1) Feed Pump | Visually inspected feed pump and its in-feed and out-feed lines | Acceptable Not Acceptable | V | | |
| 2) Calibration | Checked calibration chamber to verify pumping rate | Calibrated Not Calibrated | \checkmark | | |
| 3) Sequestering Agent | Visually inspected sequestering agent, holding area and drums | | V | | |
| 4) Additional Items Inspected | | | | | |
| 5) Additional Items Inspected | | | | | |
| 6) Additional Items Inspected | | <u> </u> | _ | | |
| Maintenance | | | | | |
| Item | Maintenance Activity | Maintenance Perform | neđ | Description of Maintenance Perfor | med or Reason NOT Performed |
| 1) Calibrate Pumps | Calibrate pumps during every other (6 months) quarterly inspection | Yes | ~ | e: | |
| 2) Additional Maintenance Performed | | | | ,,,,,,,, | |
| 3) Additional Maintenance Performed | | | | | |

| Date: Inspected By: | DMP | | | Location: | Filter Bag Unit(s) |
|---|--|---------------------|-----------|---|----------------------|
| | | | . <u></u> | | |
| Inspection | | | | | |
| Item | Action | Action Result | | Notes | |
| 1) Filter Bag Unit(s) | Visually inspect overall system | Acceptable | V | | |
| | | Not Acceptable | | | |
| 2) Filter Bags | Check pressure relief differential. Refer to | Checked | V | | |
| | O&M manual | Not Checked | | | |
| 3) Additional Items Inspected | | | | | |
| 4) Additional Items Inspected | | | | | |
| 5) Additional Items Inspected | | | | | |
| 6) Additional Items Inspected | | | | | |
| Maintenance | | | | | |
| Item | Maintenance Activity | Maintenance Perform | med | Description of Maintenance Performed or R | teason NOT Performed |
| 1) Swing Davit | Apply a small amount of grease to the swing davit every other (6 months) quarterly inspection | Yes No | V | | |
| 2) Additional Maintenance Performed | | | | | |
| 3) Additional Maintenance Performed | | | | | |

| Date: Inspected By: | 5/25/15 DMP | | | Location: Feed Tank |
|--|---|---------------------|--------------|--|
| Inspection | | | | |
| Item | Action | Action Result | | Notes |
| 1) Feed Tank | Visually inspected tank for solids build-up | Solids Present | | |
| | • | Solids NOT Present | \checkmark | |
| 2) Feed Tank | Visually inspected overall system | Acceptable | V | |
| | | Not Acceptable | | |
| 3) Additional Items Inspected | | | | |
| Additional Items Inspected | | | | |
| 5) Additional Items Inspected | | | | |
| 6) Additional Items Inspected | | | | |
| Maintenance | | | | |
| Item | Maintenance Activity | Maintenance Perform | med | Description of Maintenance Performed or Reason NOT Performed |
| 1) Feed Tank | If solids build up, refer to O&M manual for | Yes | | |
| | procedure | No | | |
| 2) Additional Maintenance Performed | | | | |
| 3) Additional Maintenance Performed | | | | |

5/25/15

DMP

Rochester Fire Academy

Quarterly Inspection and Maintenance Schedule Checklist

Location:

Air Stripper and Feed Pumps

Inspected By:

Inspection

| - | | | | |
|---|--|--------------------|--------------|--|
| Item | Action | Action Result | | Notes |
| 1) Air Stripper | Visually inspected overall system | Acceptable | \checkmark | |
| | system | Not Acceptable | | |
| 2) Stripper Trays | Visually inspected trays | Acceptable | \checkmark | |
| | and checked air pressure | Not Acceptable | | |
| 3) Feed Pumps | Visually inspected feed pumps and all lines | Acceptable | V | |
| | pumps and an intes | Not Acceptable | | |
| 4) Additional Items Inspected | | | | |
| 5) Additional Items Inspected | | 3 | | |
| 6) Additional Items Inspected | | | | |
| Maintenance | | | <u></u> | |
| Item | Maintenance Activity | Maintenance Perfor | med | Description of Maintenance Performed or Reason NOT Performed |
| 1) Feed Pumps | Refer to Manufacturer s | Yes | | |
| | O&M manuals for maintenance | No | \checkmark | |
| 2) Stripper Trays | Clean trays every other (6 months) quarterly | Yes | | |
| | inspection, or when pressure is greater than 18" water | No | \checkmark | |
| 3) Additional Maintenance Performed | | | | |

| Date: Inspected By: | 5/25/15 DMP | | | Location: Activated Carbon System |
|--|---------------------------------------|--------------------|-----|--|
| Inspection | | | | |
| Item | Action | Action Result | | Notes |
| I) System | Visually inspected overall | Acceptable | | |
| | system | Not Acceptable | | N/A - Carbon Drums no longer on-line. |
| 2) Carbon Drums | Tested for PCB | Present | | |
| | breakthrough | Not Present | | |
| Additional Items Inspected | | | | - |
| Additional Items Inspected | | | | |
| 5) Additional Items Inspected | | | | |
| 6) Additional Items Inspected | | | * | |
| Maintenance | | | | C , |
| Item | Maintenance Activity | Maintenance Perfor | med | Description of Maintenance Performed or Reason NOT Performed |
| 1) Carbon Drums | As part of routine maintenance, check | Yes | | |
| | pressure drop | No | | |
| 2) Additional Maintenance Performed | | | | |
| 3) Additional Maintenance Performed | | | | |

| Date: Inspected By: D | 5/25/15 MP | Jis | | Location: Instrumentation |
|--|-------------------------------|--------------------|--------------|--|
| Inspection | | | | |
| Item | Action | Action Result | | Notes |
| 1) Instrumentation | Visually inspected overall | Acceptable | V | 1 |
| | system | Not Acceptable | | |
| 2) Instrumentation | Visually inspected each | Acceptable | V | - |
| | instrument | Not Acceptable | | |
| 3) Additional Items Inspected | | | | |
| Additional Items Inspected | | | | |
| 5) Additional Items Inspected | | | | |
| 6) Additional Items Inspected | | | | |
| Maintenance | | | | · · · · · · · · · · · · · · · · · · · |
| Item | Maintenance Activity | Maintenance Perfor | med | Description of Maintenance Performed or Reason NOT Performed |
| 1) Instrumentation | Refer to each instrumentation | Yes | | |
| | manufacturer-s O&M manual | No | \checkmark | |
| 2) Additional Maintenance Performed | | C. | | |
| 3) Additional Maintenance Performed | | | | |

| Date: Inspected By: | <u>5/25/15</u> DMP | Roch Quarterly Inspection | ester 1 | Fire Academy aintenance Schedule Checklist Location: | Building Sump Pit and Pumps |
|--|---|------------------------------|---------|--|------------------------------|
| Inspection | ······································ | | | | |
| Item | Action | Action Result | | Notes | |
| 1) North Pump | Visually inspected overall system (pump and lines) | Acceptable | V | | |
| | | Not Acceptable | | | |
| 2) South Pump | Visually inspected shaft seal and motor | Acceptable | V | | |
| | | Not Acceptable | | | |
| 3) Sump Pit | Visually inspected pit for defects and obstructions | Acceptable | 1 | | |
| | 1 100 m 480.890 F | Not Acceptable | | | |
| 4) Floats | Visually inspected automatic floats | Acceptable | V | | |
| | uotonincie atouto | Not Acceptable | | | |
| 5) Additional Items Inspected | | | | | |
| Additional Items Inspected | | | | | |
| Maintenance | | | | | |
| Item | Maintenance Activity | Maintenance Perform | med | Description of Maintenance Perform | rmed or Reason NOT Performed |
| 1) Pumps | Refer to manufacturer s O&M manuals for | Yes | | | |
| | maintenance | No | 5 | | |
| 2) Additional Maintenance Performed | | | 2 | | |
| 3) Additional Maintenance Performed | | | | | |

| Rochester | Fire | Academy | |
|-----------|------|---------|--|
|-----------|------|---------|--|

Date: Inspected By:



Quarterly Inspection and Maintenance Schedule Checklist

Location:

Treatment Building & Facility Access

| Inspection | | | | |
|---|--|--------------------|--------------|---|
| Item | Action | Action Result | | Notes |
| 1) Building | Visually inspected overall appearance of the GWTP | Acceptable | \checkmark | |
| | | Not Acceptable | | |
| 2) Concrete | Visually inspected all concrete for cracks or | Acceptable | V | |
| | other indications of structural failure | Not Acceptable | | |
| 3) Building Enclosures | Visually inspected walls for bowing or indications | Acceptable | \checkmark | |
| | of failure | Not Acceptable | | |
| 4) Utilities | Visually inspected and checked utility service to | Present | \checkmark | |
| | entire building | Not Present | | |
| 5) Facility Access | Visually inspected roads, fences and gates | Acceptable | ~ | Image: A set of the set of the |
| | Tonees and Bates | Not Acceptable | | |
| 6) Additional Items Inspected | | | | |
| Maintenance | | | | |
| Item | Maintenance Activity | Maintenance Perfor | med | Description of Maintenance Performed or Reason NOT Performed |
| 1) Overhead Door | Apply grease to track as needed | Yes | | Functioning properly. |
| | neeuea | No | \checkmark | |
| 2) Facility Access System | See Table 7-1 of GWTP O&M manual | Yes | | Functioning properly. |
| | | No | | |
| 3) Additional Maintenance Performed | | | | |

| | | Condit | ion | | |
|--|------------|----------------|---------|-------------|---|
| VISUAL EVALUATION ITEMS | Acceptable | Not Acceptable | Present | Not Present | Remarks |
| North Disposal Area Vegetative cover integrity Erosion Settling Slope Loss Pooling/ Ponding Undesirable Species | × | | | X X X X | |
| 2. South Disposal Area a. Vegetative cover integrity b. Erosion c. Settling d. Slope Loss e. Pooling/ Ponding f. Undesirable Species | × | | | XXXXX | |
| Training Grounds Area Surface Coarse Integrity Cracking Potholes Pooling/ Ponding Undesirable Species | * | | | × × × × | some gaps at asphalt / concret interface |

Storm Water Collection System Inspection Checklist

| | 1-1- |
|-----------|----------|
| Date: | 8/21/15 |
| Inspected | 1 By: DP |

| | Conc | lition | |
|-----------------------------------|--------------|--------------|---------|
| VISUAL EVALUATION ITEMS | Present | Not Present | Remarks |
| 1. Drainage Channels | | | |
| a. Sediment Build-up | | X | |
| b. Pooling/ Ponding | | X | |
| c. Severe Cracking | | × | |
| d. Erosion | | X | |
| e. Slope Loss | | X | ž |
| 2. South Disposal Area | | | |
| a. Sediment Build-up | | × | |
| b. Pooling/ Ponding | | \times | |
| c. Broken Pipe | | \checkmark | |
| d. Slope Loss | | \star | |
| e. Grate Clogging | | Â. | |
| 3. Drainage Structures #1, #2, #3 | | | |
| a. Flapper Valve Functioning | \checkmark | | |
| b. Broken/Cracked Pipe | | X | |
| c. Cracked headwall structure | | X | |
| 4. Other Comments / Problems: | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Equipment Maintenance Schedule Checklist

| |) / |
|----------|---------|
| Date: | 8/21/15 |
| Inspecte | |
| Inspecte | aby. |

| Sequestering Agent Feed Pumps Replace Seal Rings Annually N/A Replace check valve balls Annually N/A Replace check valve balls Annually N/A Bag filter unit Replace Bags Exceeds 10 psi 6/5/55 Draplaced brags un Feed tank Clean solids When necessary N/A N/A Air Stripper Examine trays Bi-weekly N/A Permanently taken off line in N Activated Carbon Vessels N/A N/A Permanently taken off line in N | em | Maintenance Activity | Recommended Frequency | Date Performed | Notes |
|---|-------------------------|-----------------------------|-----------------------|----------------|--|
| Replace check valve balls Replace check valve springs Annually Annually NA Bag filter unit Replace Check valve springs Annually NA Bag filter unit Replace Bags Lubricate swing davits when differential pressure exceeds 10 psi 6/5//5 EM raplaced brugs un NA Feed tank Clean solids when necessary NA Atir Stripper Activated Carbon Vessels N/A N/A Permagently taken off ling in b | | Replace Seal Rings | Annually | n/A | |
| Replace check valve springs Annually N/A Bag filter unit Replace Bags when differential pressure exceeds 10 psi 6/5//5 Ethy maplaced brugs un N/A Feed tank Clean solids when necessary N/A Air Stripper Examine trays Bi-weekly N/A Activated Carbon Vessels N/A Permanently taken off line in N | | Replace check valve balls | Annually | | |
| Replace Bags exceeds 10 psi 6/5/75 2by replaced brugs in Feed tank Clean solids when necessary N/A Air Stripper Examine trays Bi-weekly N/A Activated Carbon Vessels N/A Permanently taken off line in N/A | | Replace check valve springs | Annually | | |
| Feed tank Clean solids when necessary N/A Air Stripper Examine trays Bi-weekly N/A Clean/de-scale Annually N/A Activated Carbon Vessels N/A N/A | ıg filter unit | | exceeds 10 psi | 6/5/15 | its replaced brugs unit # 1 |
| Air Stripper Examine trays Bi-weekly N/A Clean/de-scale Annually N/A Activated Carbon Vessels N/A N/A | æd tank | | | | |
| Activated Carbon Vessels N/A N/A Permanently taken off-line in A | r Stripper | · · | · · · | NA | |
| | ctivated Carbon Vessels | N/A | | NA | Permanently taken off-line in May 2000 |
| Discharge Tank Clean Solids As necessary NA | ischarge Tank | Clean Solids | As necessary | NA | |

| | ch.l | Roch Quarterly Inspection | | aintenance Scl | | |
|---|---|------------------------------|---------------|----------------|---------------------|---------------------------------------|
| Date: Inspected By: | DMP | | | | Location: | Groundwater Collection Trench |
| Inspection | | | | | | |
| Item | Action | Action Result | | Notes | | · |
| 1) Piezometers | Checked with water level indicator to ensure drawdown to desired elevation | Working Not Working | \checkmark | | | |
| Sediment Build-up in Manholes | Visually inspected manholes and pump station for sediment and obstructions | Present Not Present | \mathcal{V} | | | |
| 3) Settling Along Ground Surface | Visually inspected ground surface along collection trench | Settling Not Settling | \checkmark | | | · · · · · · · · · · · · · · · · · · · |
| 4) Manhole Covers | Visually inspected manhole and pump station covers | Present Not Present | \checkmark | | | - |
| 5) Pumps | Refer to Manufacturer s O&M manuals for inspection procedure | Checked Not Checked | \checkmark | | | |
| 6) Additional Items Inspected | 21 | | | | ă. | |
| Maintenance | | | | | | |
| Item | Maintenance Activity | Maintenance Perform | ned | Description o | f Maintenance Perfo | rmed or Reason NOT Performed |
| 1) Pumps | Refer to Manufacturers O&M manuals for maintenance | Yes No | \checkmark | | | |
| 2) Additional Maintenance Performed | | none | | | | |
| 3) Additional Maintenance Performed | | | | | | |

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| Quarterly Inspection | and M | laintenance | Schedule | Checklist |
|----------------------|-------|-------------|----------|-----------|
| | | | L | ocation: |

Date: Inspected By:

Sequestering Agent Feed System

| Inspection | | | | |
|--|---|--------------------|--------------|--|
| Item | Action | Action Result | | Notes |
| 1) Feed Pump | Visually inspected feed | Acceptable | ~ | |
| | pump and its in-feed and out-feed lines | Not Acceptable | | |
| 2) Calibration | Checked calibration | Calibrated | V | |
| | chamber to verify pumping rate | Not Calibrated | | |
| 3) Sequestering Agent | Visually inspected | Acceptable | V | |
| | sequestering agent, holding area and drums | Not Acceptable | | |
| Additional Items Inspected | | | | |
| 5) Additional Items Inspected | | | | |
| 6) Additional Items Inspected | | | | |
| Maintenance | | | | |
| Item | Maintenance Activity | Maintenance Perfor | med | Description of Maintenance Performed or Reason NOT Performed |
| 1) Calibrate Pumps | Calibrate pumps during every other (6 months) | Yes | \checkmark | |
| | quarterly inspection | No | | |
| 2) Additional Maintenance Performed | | | | |
| 3) Additional Maintenance Performed | | | | |

| Date: Inspected By: | 8)21/15 DMP | Roc Quarterly Inspectio | hester I on and M | Fire Academy Iaintenance Schedule Checklist Location: Filter Bag Unit(s) |
|---|--|------------------------------|----------------------|--|
| Inspection | | | | |
| Item | Action | Action Result | : | Notes |
| 1) Filter Bag Unit(s) | Visually inspect overall system | Acceptable Not Acceptable | V | |
| 2) Filter Bags | Check pressure relief differential. Refer to O&M manual | Checked Not Checked | ~ | |
| 3) Additional Items Inspected | | | 1 | |
| 4) Additional Items Inspected | | | | |
| 5) Additional Items Inspected | | | | |
| 6) Additional Items Inspected | | | | |
| Maintenance | | | | |
| Item | Maintenance Activity | Maintenance Perfor | rmed | Description of Maintenance Performed or Reason NOT Performed |
| 1) Swing Davit | Apply a small amount of grease to the swing davit every other (6 months) quarterly inspection | Yes No | | |
| 2) Additional Maintenance Performed | | | | |
| 3) Additional Maintenance Performed | | | | |

| Date: Inspected By: | 8/21/15 DMP | | | Location: Feed Tank |
|--|---|--------------------|--------------|--|
| Inspection | | | | |
| Item | Action | Action Result | | Notes |
| I) Feed Tank | Visually inspected tank for solids build-up | Solids Present | _ | |
| | | Solids NOT Present | \checkmark | |
| 2) Feed Tank | Visually inspected overall | Acceptable | V | |
| | system | Not Acceptable | | |
| 3) Additional Items Inspected | | | | |
| Additional Items Inspected | | | | |
| 5) Additional Items Inspected | | | | |
| 6) Additional Items Inspected | | | | |
| Maintenance | | | | |
| Item | Maintenance Activity | Maintenance Perfor | med | Description of Maintenance Performed or Reason NOT Performed |
| 1) Feed Tank | If solids build up, refer to O&M manual for | Yes | | |
| | procedure | No | \checkmark | |
| 2) Additional Maintenance Performed | | | | |
| 3) Additional Maintenance Performed | | | | |

| Date: | zlaili5 | | | Fire Academy aintenance Schedule Checklist Location: | Air Stripper and Feed Pumps |
|---|---|------------------------------|--------------|--|------------------------------|
| Inspection | | | | | an |
| Item | Action | Action Result | | Notes | |
| 1) Air Stripper | Visually inspected overall system | Acceptable Not Acceptable | \checkmark | | |
| 2) Stripper Trays | Visually inspected trays and checked air pressure | Acceptable Not Acceptable | \checkmark | | |
| 3) Feed Pumps | Visually inspected feed pumps and all lines | Acceptable Not Acceptable | \checkmark | | |
| 4) Additional Items Inspected | | : | | | |
| 5) Additional Items Inspected | | * | | | |
| 6) Additional Items Inspected | | | | | |
| Maintenance | | | | | |
| Item | Maintenance Activity | Maintenance Perfor | med | Description of Maintenance Perfo | rmed or Reason NOT Performed |
| 1) Feed Pumps | Refer to Manufacturer-s O&M manuals for maintenance | Yes No | V | | |
| 2) Stripper Trays | Clean trays every other (6 months) quarterly inspection, or when pressure is greater than 18" water | Yes No | ~ | 5 | |
| 3) Additional Maintenance Performed | | | - | | |

| Date: Inspected By: | 8/21/15 DMP | | | Location: Activated Carbon System |
|--|---------------------------------------|------------------------------|------|--|
| Inspection | | | | |
| Item | Action | Action Result | | Notes |
| 1) System | Visually inspected overall system | Acceptable Not Acceptable | | N/A - Carbon Drums no longer on-line. |
| 2) Carbon Drums | Tested for PCB breakthrough | Present Not Present | 2 | |
| 3) Additional Items Inspected | | | | |
| Additional Items Inspected | | | | |
| 5) Additional Items Inspected | | | _ | |
| 6) Additional Items Inspected | | | | |
| Maintenance | | ž. | | |
| Item | Maintenance Activity | Maintenance Perfor | rmed | Description of Maintenance Performed or Reason NOT Performed |
| 1) Carbon Drums | As part of routine maintenance, check | Yes | | |
| | pressure drop | No | | |
| 2) Additional Maintenance Performed | | | | |
| 3) Additional Maintenance Performed | | | | |

| Date: Inspected By: | <i>в ал 15</i> Эмр | | | Location: Instrumentation |
|--|---|------------------------------|--------------|--|
| Inspection | | | | |
| Item | Action | Action Result | | Notes |
| 1) Instrumentation | Visually inspected overall system | Acceptable Not Acceptable | V | |
| 2) Instrumentation | Visually inspected each instrument | Acceptable Not Acceptable | V | |
| 3) Additional Items Inspected | | | L | |
| Additional Items Inspected | | | | |
| 5) Additional Items Inspected | | | | |
| Additional Items Inspected | | | | |
| Maintenance | | | | |
| Item | Maintenance Activity | Maintenance Perfor | med | Description of Maintenance Performed or Reason NOT Performed |
| 1) Instrumentation | Refer to each instrumentation manufacturers O&M manual | Yes No | \checkmark | |
| 2) Additional Maintenance Performed | | | | 9 |
| 3) Additional Maintenance Performed | | | | |

| Date: Inspected By: | 8/21/15 DMP | Rocheste Quarterly Inspection and | r Fire Academy Maintenance Sche | dule Checklist Location: | Building Sump Pit and Pumps |
|---|---|--------------------------------------|------------------------------------|-----------------------------|-----------------------------|
| Inspection | | | | <u> </u> | |
| Item | Action | Action Result | Notes | | |
| 1) North Pump | Visually inspected overall system (pump and lines) | Acceptable | 1 | <u> </u> | |
| | system (pump and mes) | Not Acceptable | | | |
| 2) South Pump | Visually inspected shaft seal and motor | Acceptable | | | |
| | scar and motor | Not Acceptable | | | |
| 3) Sump Pit | Visually inspected pit for defects and obstructions | Acceptable | , | | |
| | defects and obstructions | Not Acceptable | | | (d) |
| 4) Floats | Visually inspected automatic floats | Acceptable V | / | | |
| | automatic moats | Not Acceptable | | | |
| 5) Additional Items Inspected | | | | | |
| 6) Additional Items Inspected | | | | | |
| Maintenance | | | ,,,, | | |
| Item | Maintenance Activity | Maintenance Performed | Description of N | Maintenance Perfor | med or Reason NOT Performed |
| 1) Pumps | Refer to manufacturers O&M manuals for | Yes | | | |
| | maintenance | No | | | |
| 2) Additional Maintenance Performed | | | | | |
| 3) Additional Maintenance Performed | | | | | |

| | bilit | Roch Quarterly Inspection | ester] and M | Fire Academy laintenance Schedule Che | zcklist |
|--|---|------------------------------|------------------|--|--|
| Date: Inspected By: | DMP | | | Location: | Treatment Building & Facility Access |
| Inspection | | | | | |
| Item | Action | Action Result | | Notes | |
| I) Building | Visually inspected overall appearance of the GWTP | Acceptable | \checkmark | 2 | |
| | appearance of the OW II | Not Acceptable | | | |
| 2) Concrete | Visually inspected all concrete for cracks or | Acceptable | V | | |
| | other indications of structural failure | Not Acceptable | | | |
| 3) Building Enclosures | Visually inspected walls for bowing or indications | Acceptable | V | | ······································ |
| · · · · · · · · · · · · · · · · · · · | of failure | Not Acceptable | | | |
| 4) Utilities | Visually inspected and checked utility service to entire building | Present | V | | |
| | | Not Present | | | |
| 5) Facility Access | Visually inspected roads, fences and gates | Acceptable | V | | |
| · ···· | tonoop and Bares | Not Acceptable | | | |
| Additional Items Inspected | | | | | |
| Maintenance | •••••••••••••••••••••••••••••••••••••• | | | L | |
| Item | Maintenance Activity | Maintenance Perform | med | Description of Maintena | nce Performed or Reason NOT Performed |
| 1) Overhead Door | Apply grease to track as needed | Yes | | Functioning properly. | |
| | needed | No | 2 | | |
| 2) Facility Access System | See Table 7-1 of GWTP | Yes | | Functioning properly. | |
| | O&M manual | No | ~ | | |
| 3) Additional Maintenance Performed | | | | | |

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Cover System Inspection Checklist

| Date: | 11/24/45 |
|-----------|----------|
| Inspected | |

| | Condition | | | | | |
|--|------------|----------------|---------|------------------|--|--|
| VISUAL EVALUATION ITEMS | Acceptable | Not Acceptable | Present | Not Present | Remarks | |
| North Disposal Area Vegetative cover integrity Erosion Settling Slope Loss Pooling/ Ponding Undesirable Species | X | | | KX KXK | | |
| 2. South Disposal Area a. Vegetative cover integrity b. Erosion c. Settling d. Slope Loss e. Pooling/ Ponding f. Undesirable Species | ý | | | × × × × | | |
| Training Grounds Area Surface Coarse Integrity Cracking Potholes Pooling/ Ponding Undesirable Species Other Comments / Problems: | × | | | × × × × | some gaps at asphabt/concrete interface | |
| | | | | | | |

Storm Water Collection System Inspection Checklist

| Date: | 11/24/15 |
|----------|--------------------------------|
| Inspecte | d By: $\mathcal{D}\mathcal{D}$ |
| | |

| | Condition | | |
|-----------------------------------|-----------|-------------|---------|
| VISUAL EVALUATION ITEMS | Present | Not Present | Remarks |
| 1. Drainage Channels | | | |
| a. Sediment Build-up | | × | |
| b. Pooling/ Ponding | | | |
| c. Severe Cracking | | × | |
| d. Erosion | | × | |
| e. Slope Loss | | × | |
| 2. South Disposal Area | | | |
| a. Sediment Build-up | | × | |
| b. Pooling/ Ponding | | | |
| c. Broken Pipe | | X × | |
| d. Slope Loss | | × | |
| e. Grate Clogging | | × | |
| 3. Drainage Structures #1, #2, #3 | | | |
| a. Flapper Valve Functioning | X | | |
| b. Broken/Cracked Pipe | | × | |
| c. Cracked headwall structure | | × | |
| 4. Other Comments / Problems: | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Equipment Maintenance Schedule Checklist

Date: Inspected By:

| tem | Maintenance Activity | Recommended Frequency | Date Performed | Notes |
|-------------------------------|-----------------------------|--|----------------|--|
| Sequestering Agent Feed Pumps | Replace Seal Rings | Annually | NA | |
| | Replace check valve balls | Annually | NA | |
| | Replace check valve springs | Annually | NA | |
| Bag filter unit | Replace Bags | when differential pressure exceeds 10 psi | NA | |
| | Lubricate swing davits | Annually | NA | |
| Feed tank | Clean solids | when necessary | NA | |
| Air Stripper | Examine trays | Bi-weekly | NA | |
| | Clean/de-scale | Annually | NA | |
| Activated Carbon Vessels | N/A | N/A | MA | Permanently taken off-line in May 2000 |
| Discharge Tank | Clean Solids | As necessary | NA | · · · · · · · · · · · · · · · · · · · |
| Other Comments/Problems: | | | | |

| D | al | te | : |
|---|----|----|---|

Inspected By: DMP

Rochester Fire Academy Quarterly Inspection and Maintenance Schedule Checklist

Location:

Groundwater Collection Trench

| T | | | |
|-----|-----|---------|--|
| INS | ner | n_{0} | |

| Inspection | | | | |
|---|---|--------------------------|--------------|--|
| Item | Action | Action Result | | Notes |
| 1) Piezometers | Checked with water level indicator to ensure drawdown to desired elevation | Working Not Working | \checkmark | |
| 2) Sediment Build-up in Manholes | Visually inspected manholes and pump station for sediment and obstructions | Present Not Present | V | |
| 3) Settling Along Ground Surface | Visually inspected ground surface along collection trench | Settling Not Settling | \checkmark | |
| 4) Manhole Covers | Visually inspected manhole and pump station covers | Present Not Present | \checkmark | |
| 5) Pumps | Refer to Manufacturer-s O&M manuals for inspection procedure | Checked Not Checked | V | |
| 6) Additional Items Inspected | | | | |
| Maintenance | | | | |
| Item | Maintenance Activity | Maintenance Perform | med | Description of Maintenance Performed or Reason NOT Performed |
| 1) Pumps | Refer to Manufacturer-s O&M manuals for maintenance | Yes No | V | |
| 2) Additional Maintenance Performed | | none | | |
| 3) Additional Maintenance Performed | | | | |

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Sequestering Agent Feed System

| Date: | |
|-----------|-----|
| Inspected | By: |

11124115 DMP

| Inspection | | | | |
|---|---|-------------------|--------------|--|
| Item | Action | Action Result | | Notes |
| 1) Feed Pump | Visually inspected feed | Acceptable | ~ | |
| 51 | pump and its in-feed and out-feed lines | Not Acceptable | | |
| 2) Calibration | Checked calibration | Calibrated | V | |
| | chamber to verify pumping rate | Not Calibrated | | |
| 3) Sequestering Agent | Visually inspected | Acceptable | \checkmark | |
| | sequestering agent, holding area and drums | Not Acceptable | | |
| 4) Additional Items Inspected | | | | |
| 5) Additional Items Inspected | | | | |
| 6) Additional Items Inspected | | 5 5 | | |
| Maintenance | | | | |
| Item | Maintenance Activity | Maintenance Perfo | rmed | Description of Maintenance Performed or Reason NOT Performed |
| 1) Calibrate Pumps | Calibrate pumps during every other (6 months) | Yes | \checkmark | |
| | quarterly inspection | No | | |
| 2) Additional Maintenance Performed | | | | |
| 3) Additional Maintenance Performed | | | | |

| Date: Inspected By: | 11/24/15 DMP | Roch Quarterly Inspection | ester I and M | Fire Academy aintenance Schedule Checklist Location: Filter Bag Unit(s) |
|---|--|------------------------------|------------------|---|
| Inspection | | | | |
| Item | Action | Action Result | | Notes |
| 1) Filter Bag Unit(s) | Visually inspect overall system | Acceptable Not Acceptable | \checkmark | |
| 2) Filter Bags | Check pressure relief differential. Refer to O&M manual | Checked Not Checked | 7 | |
| 3) Additional Items Inspected | | | | |
| 4) Additional Items Inspected | | | | |
| 5) Additional Items Inspected | | | | |
| 6) Additional Items Inspected | | | | |
| Maintenance | | | | |
| Item | Maintenance Activity | Maintenance Perform | med | Description of Maintenance Performed or Reason NOT Performed |
| 1) Swing Davit | Apply a small amount of grease to the swing davit every other (6 months) quarterly inspection | Yes No | | |
| 2) Additional Maintenance Performed | | | | |
| 3) Additional Maintenance Performed | | | | |

| | / / | Quarterly Inspection | 1 and M | laintenance Schedule Checklist |
|---|---|----------------------|--------------|--|
| Date: // | 1/24/15 | | | Location: Feed Tank |
| Inspected By: | | | <u></u> | |
| Inspection | | | | |
| Item | Action | Action Result | | Notes |
| 1) Feed Tank | Visually inspected tank for solids build-up | Solids Present | | |
| | | Solids NOT Present | V | |
| 2) Feed Tank | Visually inspected overall system | Acceptable | V | |
| | System | Not Acceptable | | |
| 3) Additional Items Inspected | | | | |
| 4) Additional Items Inspected | | | | |
| 5) Additional Items Inspected | | | | |
| 6) Additional Items Inspected | | | | |
| Maintenance | | | | |
| Item | Maintenance Activity | Maintenance Perfor | med | Description of Maintenance Performed or Reason NOT Performed |
| 1) Feed Tank | If solids build up, refer to O&M manual for procedure | Yes No | \checkmark | |
| 2) Additional Maintenance Performed | | | | |
| 3) Additional Maintenance Performed | | | | |

| Rochester | Fire . | Academy |
|-----------|--------|---------|
|-----------|--------|---------|

Quarterly Inspection and Maintenance Schedule Checklist

Location:

Air Stripper and Feed Pumps

Inspected By:

Date:

DMP

| Inspection | | | | |
|--|--|--------------------|--------------|--|
| Item | Action | Action Result | | Notes |
| 1) Air Stripper | Visually inspected overall system | Acceptable | \checkmark | |
| ······· | system | Not Acceptable | | |
| 2) Stripper Trays | Visually inspected trays and checked air pressure | Acceptable | V | |
| | and checked an pressure | Not Acceptable | | |
| 3) Feed Pumps | Visually inspected feed pumps and all lines | Acceptable | | |
| | pumps and an intes | Not Acceptable | | |
| Additional Items Inspected | | | | |
| 5) Additional Items Inspected | | 2 | | |
| 6) Additional Items Inspected | | | | |
| Maintenance | | | | |
| Item | Maintenance Activity | Maintenance Perfor | med | Description of Maintenance Performed or Reason NOT Performed |
| 1) Feed Pumps | Refer to Manufacturer*s O&M manuals for | Yes | | |
| | maintenance | No | V | |
| 2) Stripper Trays | Clean trays every other (6 months) quarterly | Yes | | |
| | inspection, or when pressure is greater than 18" water | No | ~ | |
| 3) Additional Maintenance Performed | | | | |

| Date: // Inspected By: | 1/24/15 | | | Location: Activated Carbon System |
|--|--|---------------------|-----|--|
| Inspection | | | | |
| Item | Action | Action Result | | Notes |
| 1) System | Visually inspected overall | Acceptable | | |
| | system | Not Acceptable | | N/A - Carbon Drums no longer on-line. |
| 2) Carbon Drums | Tested for PCB | Present | | |
| | breakthrough | Not Present | | |
| Additional Items Inspected | | | | |
| 4) Additional Items Inspected | | | | |
| 5) Additional Items Inspected | | | | |
| 6) Additional Items Inspected | | | - | |
| Maintenance | | | | |
| Item | Maintenance Activity | Maintenance Perform | med | Description of Maintenance Performed or Reason NOT Performed |
| 1) Carbon Drums | As part of routine maintenance, check | Yes | | |
| | pressure drop | No | | |
| 2) Additional Maintenance Performed | | | | |
| 3) Additional Maintenance Performed | | | | |

Date: Location: Instrumentation Inspected By: DMP Inspection Item Action Action Result Notes 1) Instrumentation Visually inspected overall Acceptable V system Not Acceptable 2) Instrumentation Visually inspected each Acceptable V instrument Not Acceptable 3) Additional Items Inspected 4) Additional Items Inspected 5) Additional Items Inspected 6) Additional Items Inspected Maintenance Item **Maintenance** Activity Description of Maintenance Performed or Reason NOT Performed **Maintenance Performed** 1) Instrumentation Refer to each Yes instrumentation manufacturer-s O&M No V manual 2) Additional Maintenance Performed 3) Additional Maintenance Performed

| Date: // Inspected By: | 1/24/15 DMP | | | Fire Academy faintenance Schedule Checklist Location: Building Sump Pit and Pumps |
|---|---|---------------------|-------------------------|---|
| Inspection | | | | |
| Item | Action | Action Result | | Notes |
| 1) North Pump | Visually inspected overall system (pump and lines) | Acceptable | \mathcal{V} | |
| | system (pump and mes) | Not Acceptable | | |
| 2) South Pump | Visually inspected shaft seal and motor | Acceptable | V | |
| | | Not Acceptable | | |
| 3) Sump Pit | Visually inspected pit for defects and obstructions | Acceptable | \checkmark | |
| | defects and obstructions | Not Acceptable | | |
| 4) Floats | Visually inspected automatic floats | Acceptable | V | |
| | automatic noats | Not Acceptable | | |
| 5) Additional Items Inspected | | | | |
| 6) Additional Items Inspected | | | | |
| Maintenance | | | | |
| Item | Maintenance Activity | Maintenance Perform | ned | Description of Maintenance Performed or Reason NOT Performed |
| 1) Pumps | Refer to manufacturer s O&M manuals for maintenance | Yes No | $\overline{\checkmark}$ | |
| 2) Additional Maintenance Performed | | | S. | |
| 3) Additional Maintenance Performed | | | | |

Location:

Quarterly Inspection and Maintenance Schedule Checklist

Date: _/

DMP

Inspected By: Inspection

Treatment Building & Facility Access

.

| Item | Action | Action Result | | Notes |
|---|--|---------------------|-----|--|
| 1) Building | Visually inspected overall appearance of the GWTP | Acceptable | | |
| | appearance of the Gw IF | Not Acceptable | | |
| 2) Concrete | Visually inspected all concrete for cracks or | Acceptable | | |
| | concrete for cracks or other indications of structural failure | Not Acceptable | | |
| 3) Building Enclosures | Visually inspected walls | Acceptable | | |
| | for bowing or indications of failure | Not Acceptable | | |
| 4) Utilities | Visually inspected and | Present | | |
| | checked utility service to entire building | Not Present | | |
| 5) Facility Access | Visually inspected roads, | Acceptable | | |
| | fences and gates | Not Acceptable | | |
| 6) Additional Items Inspected | | | | |
| Maintenance | | | | |
| Item | Maintenance Activity | Maintenance Perform | med | Description of Maintenance Performed or Reason NOT Performed |
| 1) Overhead Door | Apply grease to track as | Yes | | Functioning properly. |
| | needed | No | | |
| 2) Facility Access System | See Table 7-1 of GWTP O&M manual | Yes | | Functioning properly. |
| | | No | | |
| 3) Additional Maintenance Performed | | | | |

| Date | 1/1/15 | 1/2 | 1/3 | 1/4 | 1/5 | 1/6 | da |
|--------------------------------------|-----------|------------|-----------|----------|---|---------|------|
| Daily Influent Meter Reading (gal) | T | T | · · · · · | | Ī | 1 | |
| Total Influent since 3/1/2014 (gal) | g. | |] | | | | |
| Daily Effluent Meter Reading (gal) | 2530 | 2140 | 2130 | 634c | 3770 | 3380 | |
| Total Effluent since 3/1/2014 (gal) | 2500 | 4614 | 6716 | 12,992 | 16717 | 20,024 | |
| Building Inlet Gauge (gpm) | 28 | | | , | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | 41 |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | | 16/- |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | | | 7/ |
| Feed Tank Pump (5 to 20 psi) | | | | | | | 13 |
| Air Stripper Pressure (psi) | | | | | | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| | | | | | | | |
| Sequestering Agent Level (inches) | | | | | | | 39.4 |
| Visual Inspection NDA | | | | 6 | | | ~ |
| Visual Inspection TGA | | | | | | | ~ |
| Cleaned/Changed Bag Filter #1 | | | | | | | 1 |
| Cleaned/Changed Bag Filter #2 | | | | | | | 1 |
| Cleaned Feed/ Discharge Tanks | | | | | | | (|
| Performed Monthly/Quarterly Sampling | | | | | | | 1 |
| Tested Sump Pump Operation | | | | | | | ~ |
| Cleaned Sump and Drain | | | | | | | |
| Any Alarms? | NO | | | | | | N |
| Additional Tasks/ Notes: | | | | | | | 2.5 |
| ON: | 9.5 - | | | | | | |
| OFF: | 9.0 - | | - | | | | |
| | | | | | | | - |
| 1/1/15 m reset | influent. | r ellerent | totals | forment | mlandar y | lean No | 1 00 |
| 1330 Started GW | trench a | mmo | | 0 | 0 | | |
| 11315 1/2" roun | | | | | | | |
| 1/4/15 50° Windy | - | | | | - | | |
| M 1545 chat July | eld | ad each | 10.000 | A | | | |
| TISTIS And of Very | cond the | Myireck | 1015 + | 20+ MPH | uuna | | - |
| | | | | | | | |

12/31/14 influent total 12/31/14 971,523

effluent total 961,950 12/31 daily 3140

Rochester Fire Academy Weekly Log

| | Th | F | 5 | ک | M | Τ | w |
|---|-----------------|--------|---------------------------------------|--------|----------|-------------------|--------------|
| Date | 1/8 | 1/9 | 1/10 | 1/11 | 1/12 | 1/13 | 114 |
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 3/1/2014 (gal) | 21.5 | | | | _ | | |
| Daily Effluent Meter Reading (gal) | 2170 | 6340 | 3050 | 2450 | 2000 | 2670 | 1910 |
| Total Effluent since 3/1/20T4 (gal) [1][5 | 24,786 | 31,056 | 34.086 | 36,528 | 38,507 | 41,095 | 42,987 |
| Building Inlet Gauge (gpm) | , | , v | , , , , , , , , , , , , , , , , , , , | , | | 48. au | 01 |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | 6515 | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | | 010 | |
| Feed Tank Pump (5 to 20 psi) | | | | | | 5 | |
| Air Stripper Pressure (psi) | | | | | | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| | 100 - 100 - 100 | | | | | | |
| Sequestering Agent Level (inches) | | | | | 38.9 | 14.8 | |
| Visual Inspection NDA | | | | | ~ | ~ | \sim |
| Visual Inspection TGA | | | | | V | | \checkmark |
| Cleaned/Changed Bag Filter #1 | | | | | - | $\langle \rangle$ | (|
| Cleaned/Changed Bag Filter #2 | | | | | <u> </u> | Y | - |
| Cleaned Feed/ Discharge Tanks | | | | | { | 1 | (|
| Performed Monthly/ Quarterly Sampling | | | | | - | - | (|
| Tested Sump Pump Operation | | | | | - | (| <u> </u> |
| Cleaned Sump and Drain | | | | | - | V | - |
| Any Alarms? | NO | | | | NO | NC | NO |
| Additional Tasks/ Notes: | | | | | | | |
| ON: | 9.5 - | | | 8,5 | 8.5 | 8,5 | ନ୍ଦି |
| OFF: | 9.0 | | | 8,0 | 80 | 8.0 | 80 |
| | | | | | | | |
| 1/13/15 cleaned the | nch dra | un (cl | eaned l | ot bac | litters | \rangle | |
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Rochester Fire Academy Weekly Log

| | | • | | | Holiday | | |
|---|---------------------|--------------|--------|--------|-------------|--------|----------|
| | Th | - | | | M | | L. |
| Date | 1/15/15 | 1/16 | 1/17 | 1/18 | 1/19 | ilac | 1/21 |
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 3/1/2014(gal) | 5 | | | | | | |
| Daily Effluent Meter Reading (gal) | 2300 | 1870 | 2590 | 2590 | 1200 | 2490 | 2740 |
| Total Effluent since 3/1/2014 (gal)1/1/ | 45,263 | 47,126 | 49,705 | 52,283 | 53,484 | 55,967 | 58,661 |
| Building Inlet Gauge (gpm) | 49 | | | | | | |
| Lead Bag Filter Inlet/ Outlet (psi) | 6/4 | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | 6/4 0/0 | | | | | | |
| Feed Tank Pump (5 to 20 psi) | 5 | | | | | | |
| Air Stripper Pressure (psi) | | | | | | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| | | | | | | | |
| Sequestering Agent Level (inches) | 38,6 | | | | | 38.1 | |
| Visual Inspection NDA | \checkmark | \checkmark | | 1 | | | |
| Visual Inspection TGA | | ~ | | | V | 1 | |
| Cleaned/Changed Bag Filter #1 | <u> </u> | | | | | | |
| Cleaned/Changed Bag Filter #2 | | | | | (| - | |
| Cleaned Feed/ Discharge Tanks | | - | | | | ~ | |
| Performed Monthly/ Quarterly Sampling | $(\underline{\nu})$ | - | | | - | - | <u> </u> |
| Tested Sump Pump Operation | <u>~</u> | | | | - | | |
| Cleaned Sump and Drain | ~ | | | | - 22 | | |
| Any Alarms? | NO | Na | · | | NO | NO | |
| Additional Tasks/ Notes: | | | | | | | |
| ON: | 8,5 | 8,5 | ~ | | | | |
| OFF: | ନ୍ଦ | 80 | · | | | | |
| | | | | | | | |
| 1/15 Monthly of | fluent | sample | | | | | |
| <i>.</i> | // | | | | | | |
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Rochester Fire Academy Weekly Log

| | | | | | <u></u> | 1 | ~~~ |
|-------------------------------------|------|----------|--------|------------------------|--|--------|--------------|
| ate | 1/22 | 1/23 | 1/24 | 1/25 | 1/26 | 1/27 | 1/28 |
| aily Influent Meter Reading (gal) | | | | | | | |
| otal Influent since 3/1/2014 (gal) | \$ | | | | | | |
| aily Effluent Meter Reading (gal) | 1360 | 9180 | 2340 | 2650 | 2260 | 204C | 3220 |
| otal Effluent since 3/1/2014 (gal)1 | | 69.077 | 71,371 | 73,989 | 76,206 | 78,232 | 81.447 |
| uilding Inlet Gauge (gpm) | | 27 | , | | | , | |
| ead Bag Filter Inlet/ Outlet (psi) | | 4/2 | | | | | |
| ag Bag Filter Inlet/Outlet (psi) | | 0/0 | | | | | |
| eed Tank Pump (5 to 20 psi) | | 2 | | | | | |
| ir Stripper Pressure (psi) | | 16 | | | | | |
| ump 400 (psi) | | | | | | | ĺ |
| ump 401 (psi) | | 21 | | | | | |
| | | | | | | | |
| equestering Agent Level (inches) | Ì | 1997 | | | | | |
| isual Inspection NDA | V | V | | | V | | \checkmark |
| isual Inspection TGA | V | ~ | ĺ | 65 | V | | 6 |
| leaned/Changed Bag Filter #1 | _ | _ | | -/ | _ | | 1 |
| leaned/Changed Bag Filter #2 | - | | | 4 | - | | - |
| leaned Feed/ Discharge Tanks | | _ | | $\left \right\rangle$ | _ | | 1 |
| erformed Monthly/Quarterly Sampling | - | - | - | K | _ | | _ |
| ested Sump Pump Operation | | (| | <u> </u> | _ | | 5 |
| leaned Sump and Drain | | - | | | - | | 1 |
| ny Alarms? | NO | NO | | | Na | | N |
| dditional Tasks/ Notes: | | (1/3 | 3) | | | | |
| ON: | 8,5 | 8.5 65 | 5) 6.5 | 6.5 | $ \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $ | 6.5 | |
| OFF: | 5.0 | 80 6.0 | 1 6.0 | 6.0 | | > | 6.0 |
| | | | | | | | |

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|--------------------------------------|------|------|---------------|----------|--------------|--|
| Date | 1/29 | 1/30 | 1/31/15 | 240 | | |
| Daily Influent Meter Reading (gal) | | | | | | |
| Total Influent since 3/1/2014 (gal) | | | | | | |
| Daily Effluent Meter Reading (gal) | | 4500 | 26ac | | | |
| Total Effluent since 3/1/2014 (gal) | | 4500 | 88,448 | | | |
| Building Inlet Gauge (gpm) | | | , | | | |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | | |
| Feed Tank Pump (5 to 20 psi) | | | 3 | | | |
| Air Stripper Pressure (psi) | | | | - | | |
| Pump 400 (psi) | | | | | | |
| Pump 401 (psi) | | | | | | |
| | | | | | | |
| Sequestering Agent Level (inches) | | | | | | |
| Visual Inspection NDA | | | | | | |
| Visual Inspection TGA | | | | | | |
| Cleaned/Changed Bag Filter #1 | | | | | | |
| Cleaned/Changed Bag Filter #2 | | | | | | |
| Cleaned Feed/ Discharge Tanks | | | | | | |
| Performed Monthly/Quarterly Sampling | | | | | | |
| Tested Sump Pump Operation | | | | | | |
| Cleaned Sump and Drain | | | | | | |
| Any Alarms? | No - | + | \rightarrow | | | |
| Additional Tasks/ Notes: | | | | | | |
| ON: | 6.5 | | > | <u> </u> | | |
| OFF: | 6.0 | | > | - | | |
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| | Roches | ter Fire Ac | cademy V イ | Veekly Log | Th | F | 5 |
|---------------------------------------|---------|-------------|---------------|-------------------|----------|------------|-----------|
| Date | 2/1/15 | 2/2 | 2/3 | 2/4 | 2/5 | 2/6 | 2/7 |
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | | 91,698 | | | | | |
| Daily Effluent Meter Reading (gal) | 1930 | 2180 | 2120 | 2560 | 1890 | 1660 | 310 |
| Total Effluent since 1/1/2015 (gal) | 90,365 | | 94.614 | 97130 | 98971 | 100,641 | 103,683 |
| Building Inlet Gauge (gpm) | | | | 1,1,0 | <u> </u> | 1,011 | 1 1 |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | | | |
| Feed Tank Pump (5 to 20 psi) | | | | | | 1 | |
| Air Stripper Pressure (psi) | | | | | | | |
| Pump 400 (psi) | | | 5 | | | | |
| Pump 401 (psi) | | | | | | | |
| Sequestering Agent Level (inches) | | 36,7 | | | | | |
| Visual Inspection NDA | | V | i | | V | | <u>+-</u> |
| Visual Inspection TGA | | V | V | | V | | 1 |
| Cleaned/Changed Bag Filter #1 | | - | , , | | | | |
| Cleaned/Changed Bag Filter #2 | | - | | | _ | | |
| Cleaned Feed/ Discharge Tanks | | | | | - | | 1 |
| Performed Monthly/Quarterly Sampling | | (| - (| | - | | <u> </u> |
| Tested Sump Pump Operation | | ~ | 1 | | 1 | | |
| Cleaned Sump and Drain | | (| (| | - | | |
| Any Alarms? | No | Na | Na | | NO | | |
| Additional Tasks/ Notes: | | | | | | - <u> </u> | |
| ON: | | 6,5 | 6.5 | | 6.5 | 651 | |
| OFF: | | 6.0 | 6.0 | | 6.0 | 6.0/ | *** |
| · · · · · · · · · · · · · · · · · · · | | | | | <u> </u> | | |
| 2/1-2/2 overnight | a now a | torm | ~12" | cold un | nda. | | |
| | | 47 V/IL - | | <u>ve an poer</u> | | | |
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| | 1395 | M | T | W | Th | F | 5 |
|---------------------------------------|----------|-----------------------|----------|--------------|----------|----------|-------------|
| Date | 2/8/15 | 2/9 | alic | 2/11 | 3/12 | 2/13 | 2/4 |
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 1690 | 8500 | 2720 | 2380 | 3390 | 1850 | 3070 |
| Total Effluent since 1/1/2015 (gal) | 105,339 | 113,698 | 116.391 | 118,762 | 122.078 | 123,897 | 126.945 |
| Building Inlet Gauge (gpm) | | | | | 27E | | |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | 4/3 | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | 010 | | |
| Feed Tank Pump (5 to 20 psi) | | | | | 1 | | |
| Air Stripper Pressure (psi) | | | | | · | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| | - तः सः | - 6 331 | | | | | |
| Sequestering Agent Level (inches) | | 35.7 | Fill Con | 644 | 64,2 | | |
| Visual Inspection NDA | | V | | \checkmark | V | | |
| Visual Inspection TGA | | V | | \checkmark | V | | |
| Cleaned/Changed Bag Filter #1 | | | ~ | - | ~ | | |
| Cleaned/Changed Bag Filter #2 | | ~ | - | ~ | ~ | | |
| Cleaned Feed/ Discharge Tanks | | ~ | _ | ~ | ~ | | |
| Performed Monthly/ Quarterly Sampling | | - | | _ | | | |
| Tested Sump Pump Operation | | ~ | - | ~ | ~ | | |
| Cleaned Sump and Drain | | | - 1 | - | - | | |
| Any Alarms? | | NO | NX | Na | NO | | |
| Additional Tasks/ Notes: | | | <u> </u> | | | | |
| ON: | 6,5 | 6,5/45 | ···· | 4.5 | 4,5 | | |
| OFF: | | 6.0/4.0 | | 4,0 | 4.0 | · | · |
| | | 6.0/4.0 hange ~100 | | | 10 | | |
| , | | | | | · | | · |
| 2/10 Replaced HI Mited new 1 | +Lo R | loats (o | r all i | n Bildg | Sump. | · | |
| Mixed new 1 | Vatch of | CD-900 | 4gal | product | + 40 an | water | |
| | 0 | | | | 1 | | |
| 2 | | | | | | - | |
| | | | | | | | |

| | 3 | Pres Duff | 1 | | Th | | 5. |
|---------------------------------------|-----------|-----------|-----------|---------|-------|---------------|--------|
| Date | 2/15 | 2/16 | 2/17 | 2/18 | 2/19 | 2/20 | 2/21 |
| Daily Influent Meter Reading (gal) | | | | | | | - 7- 1 |
| Total Influent since 1/1/2015(gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 1940 | 2500 | 1940 | 3470 | 19.60 | 3250 | 1900 |
| Total Effluent since 1/1/2015 (gal) | 1 128.851 | 131,318 | 133,231 | 136,663 | | | 143 69 |
| Building Inlet Gauge (gpm) | | · | 46 W | 170,002 | | · · / / / / · | 1.2,07 |
| Lead Bag Filter Inlet/ Outlet (psi) | | | 6/4 | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | 0/0 | | · | | |
| Feed Tank Pump (5 to 20 psi) | | | 4 | | | | |
| Air Stripper Pressure (psi) | | | 14 | | | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | ····· |
| Sequestering Agent Level (inches) | | | 63.4 | | 63.3 | | |
| Visual Inspection NDA | | | 63.4 V | | | | |
| Visual Inspection TGA | | | V | | ~ | | |
| Cleaned/Changed Bag Filter #1 | | | <u> </u> | | (| | |
| Cleaned/Changed Bag Filter #2 | | | ~ | | 1 | | |
| Cleaned Feed/ Discharge Tanks | | | | | | | |
| Performed Monthly/ Quarterly Sampling | | | ~ | | | | |
| Fested Sump Pump Operation | | | - | | _ | | |
| Cleaned Sump and Drain | | | - | | ~ | _ | Ξ. |
| Any Alarms? | | | Na | | NO | | |
| Additional Tasks/ Notes: | | | | | | | |
| ON: | | | 45 | | 4.5 | | |
| OFF: | | | 40 | | 40 | | |

| | <u> </u> | | | | | r | |
|--|----------|---------|-----------------------|-----------------|---------|---------|------------|
| Date | 2/22 | 2/23 | 2/24 | 2/25 | 2/26 | 2/27 | 2/28 |
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | | | | | | | 1 |
| Daily Effluent Meter Reading (gal) | 2120 | 2350 | 212C | 3390 | 2250 | 1950 | 2360 |
| Total Effluent since 1/1/2015 (gal) | 145,777 | 148,109 | 150,196 | 153 544 | 155,771 | 157.671 | 159,990 |
| Building Inlet Gauge (gpm) | | | | , | | 1 | |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | 1 | 1 | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | Ĩ | | |
| Feed Tank Pump (5 to 20 psi) | | | | | | | |
| Air Stripper Pressure (psi) | | | | | | | · · · · |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| | | | | | | | |
| Sequestering Agent Level (inches) | | 627 | 62.7 | 62.5 | | | |
| Visual Inspection NDA | | | ~ | ~ | | | |
| Visual Inspection TGA | | | V | ~ | | | |
| Cleaned/Changed Bag Filter #1 | | | - | ~ | | | |
| Cleaned/Changed Bag Filter #2 | | | - | ~ | | - | |
| Cleaned Feed/ Discharge Tanks | | | | | | | |
| Performed Monthly/Quarterly Sampling | | | - | \bigcirc | | | |
| fested Sump Pump Operation | | - | - | - | | | |
| Cleaned Sump and Drain | | | ~ | - | | | |
| Any Alarms? | NC | | Na | NO | | | |
| Additional Tasks/ Notes: | | | | | | | |
| ON: | | 4.5 | 45 | | | <i></i> | |
| OFF: | | 4,0 | 4.0 | | | | · |
| 2/25 Quarterly i Coldest Mo ~ 45" sm | nth in r | | unant sa locationy | mplenz . Avg | tomp ia | 2°, 4d | lays below |

March 2015

| D | 5 | M | <u> </u> | w | T | | |
|-------------------------------------|---------|----------|----------|---------|---------|---------|-----------|
| Date | 3/1/15 | 3/2 | 3/3 | 3/4 | 3/5 | 3/6 | 3/7 |
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 2670 | 1970 | 2470 | 2510 | 2360 | 2630 | 1830 |
| Total Effluent since 1/1/2015 (gal) | 162,590 | 164,549 | 167,004 | 169,495 | 171,838 | 174,489 | 176,298 |
| Building Inlet Gauge (gpm) | | | 46W | | | 1 | 1 |
| Lead Bag Filter Inlet/ Outlet (psi) | | | 6/5 | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | oli | | | | |
| Feed Tank Pump (5 to 20 psi) | | | 5 | | | | |
| Air Stripper Pressure (psi) | | | 16 | | | | |
| Pump 400 (psi) | | <u> </u> | | · | | | <u> </u> |
| Pump 401 (psi) | | | | | | | 2 |
| Sequestering Agent Level (inches) | | | 62.0 | | | 61.6 | |
| Visual Inspection NDA | | | V | | | V | <u> </u> |
| Visual Inspection TGA | | V | V | | | V | |
| Cleaned/Changed Bag Filter #1 | | ~ | <u> </u> | ~ | | | |
| Cleaned/Changed Bag Filter #2 | | | (| ~ | | ~ | |
| Cleaned Feed/ Discharge Tanks | | _ | | | | _ | <u> </u> |
| erformed Monthly/Quarterly Sampling | | ~ | | (| | - | |
| Fested Sump Pump Operation | | ~ | | ~ | | _ | ł |
| Cleaned Sump and Drain | | ~ | | (| | ~ | |
| Any Alarms? | | NC | Na | NC | | NC | |
| Additional Tasks/ Notes: | | | | | | | <u> </u> |
| ON: | | 4.5 | 45 | 4.5 | | 4.5 | |
| | | 4.0 | 4,0 | 4.0 | | 40 | · · · · · |

| Dett | | 14 | 1 7 | 4 | | | |
|--|---------------------------------|-----------|------------------------|----------|-----------------|--------------------|---------------|
| Date | 3/8 | 3/9 | 3/10 | 3/11 | 3/12 | 3/13 | 3/14 |
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 2570 | 1940 | 3430 | 6730 | 10870 | 6150 | 8050 |
| Total Effluent since 1/1/2015 (gal) | 178,856 | 180,793 | 184,199 | 190,823 | 201,510 | 207.558 | 215.454 |
| Building Inlet Gauge (gpm) | | | | | | | |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | | | 1 |
| Feed Tank Pump (5 to 20 psi) | | | | | | | |
| Air Stripper Pressure (psi) | | 4 | | | | | - |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| | | | † | | | | |
| Sequestering Agent Level (inches) | | 61.3 | | | | <u> </u> | |
| Visual Inspection NDA | | | | <u> </u> | | | · |
| Visual Inspection TGA | | ~ | V | | 1 | | |
| Cleaned/Changed Bag Filter #1 | | - | - | | 1 | | |
| Cleaned/Changed Bag Filter #2 | | - | - | | 1 | | |
| Cleaned Feed/ Discharge Tanks | | - | · · · | | (| | |
| Performed Monthly/Quarterly Sampling | 1 | - | - | | - | <u> </u> | |
| Tested Sump Pump Operation | r | - | 1 | | ~ | <u> </u> | |
| Cleaned Sump and Drain | | - | 1 | | - | | |
| Any Alarms? | | NO | No | | Nor | | |
| Additional Tasks/ Notes: | | | | | 455 | | |
| ON: | | 4.5 | 4.5 | | 4,5 | · · | |
| OFF: | · | 4,c | 4,0 | | 4.0 | · | |
| | | | | | 1. | | |
| 3/9 Start of gra after a ve ~2 ft. s | dual that ery cold nompac | or Forece | ast for the y snowy | Feb. + | the low carly M | 40° Lau arch, S | 25 30 till |
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| = <u>3/16</u> = 9710 50 236,080 | | 3/8 10,980 24,189 | 3/19 5880 269,994 | 3/2= 5940 275,833 | <u>3/2 (</u> 5690 |
|---------------------------------------|---|---|---|--|--|
| | 253,340 | | | 1 | |
| | 253,340 | | | 1 | |
| | 253,340 | | | 1 | |
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| | 46 | | T | 1 - 12 - 22 | COUL / |
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| | 17 | <u> </u> | | | |
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| | 58,4 | | | | ····· |
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| VO | yes | | | | |
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| 5 45 | 4.5 | | | | |
| o 4a | 40 | | | | |
| | - - - - - - - - - - - - - - - - - - - | $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ |

| Date | 3/22 | 3/23 | 3/24 | 3/25 | 3/26 | 3/27 | 3/28 |
|--------------------------------------|---------|---------|---------|---------|---------|---|--------|
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015(gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 6420 | 4410 | 4550 | 4490 | 5480 | 6250 | 5460 |
| Total Effluent since 1/1/2015 (gal) | 257,767 | 292,090 | 296,566 | 301,012 | 306,448 | | 3/8.02 |
| Building Inlet Gauge (gpm) | | | | | | <u>, , , , , , , , , , , , , , , , , , , </u> | |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | é | | | | |
| Feed Tank Pump (5 to 20 psi) | | | | · | | | |
| Air Stripper Pressure (psi) | | | | | | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| Sequestering Agent Level (inches) | | 57.1 | | | | | |
| Visual Inspection NDA | | | | | · | | |
| Visual Inspection TGA | | ~ | | | | | • |
| Cleaned/Changed Bag Filter #1 | | _ | | | | | |
| Cleaned/Changed Bag Filter #2 | | - | | | | | ÷ |
| Cleaned Feed/ Discharge Tanks | | _ | | | | | |
| erformed Monthly/ Quarterly Sampling | | - | | | · | | |
| Fested Sump Pump Operation | | - | | | | | |
| Cleaned Sump and Drain | | - | | | | · · · · · · | |
| Any Alarms? | | NO | | | | | |
| Additional Tasks/ Notes: | | | | | | | |
| ON: | | 4,5 | | | | | |
| OFF: | | 4.0 | | | | | |

| Date | 3/29 | 3/30 | 3/31 | | | | |
|--------------------------------------|----------|----------|---------|----------|------------|--|----------|
| Daily Influent Meter Reading (gal) | | T | | 1 | | | <u> </u> |
| Total Influent since 1/1/2015 (gal) | | | F | <u> </u> | | | · |
| Daily Effluent Meter Reading (gal) | 3960 | 4160 | 4220 | | | | <u> </u> |
| Total Effluent since 1/1/2015 (gal) | 321,907 | 326,040 | 330,226 | | | | |
| Building Inlet Gauge (gpm) | | | 1 | <u> </u> | | | |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | · | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | <u> </u> | _ <u></u> | | |
| Feed Tank Pump (5 to 20 psi) | | | | | | | · |
| Air Stripper Pressure (psi) | | 1 | | | | | |
| Pump 400 (psi) | | | | † | | | |
| Pump 401 (psi) | T | <u> </u> | | | | | |
| | | | | | | - | |
| Sequestering Agent Level (inches) | | 55.9 | | | | | |
| Visual Inspection NDA | <u> </u> | ~ | | | + | | |
| Visual Inspection TGA | | V | | | | | |
| Cleaned/Changed Bag Filter #1 | F | _ | | | - <u> </u> | | |
| Cleaned/Changed Bag Filter #2 | | ~ | | | | | · |
| Cleaned Feed/ Discharge Tanks | | | | | | | |
| Performed Monthly/Quarterly Sampling | | - | | | | | |
| Tested Sump Pump Operation | | ~ | | | + | | |
| Cleaned Sump and Drain | | ~ | | | <u> </u> | + | |
| Any Alarms? | | _ | | | | | |
| Additional Tasks/ Notes | | | | | | | |
| ON: | 4.5 | 4.5 | 4,5 | | | | |
| OFF: | 4.0 | 4.a | 4.0 | | | , and the second second second balance . | |
| | | | | | · | · · · · · · · · · · · · · · · · · · · | |
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| Date | 4/1/15 | 4/2 | 4/3 | 4/4 | 4/5 | 4/6 | 4/7 |
|-------------------------------------|----------|---------|------|------------|----------|-----------|----------|
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | | | | <u> </u> | · · · · | | |
| Daily Effluent Meter Reading (gal) | 4260 | 3430 | 3830 | 4670 | 5170 | 3900 | 4130 |
| Total Effluent since 1/1/2015 (gal) | 334,435 | 337,836 | | 346,207 | | 355 120 | 359,166 |
| Building Inlet Gauge (gpm) | | 1 | , | - 216 yr - | | 46 | 551,100 |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | 6/4 | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | | 0/1 | |
| Feed Tank Pump (5 to 20 psi) | | | | | | 6 | |
| Air Stripper Pressure (psi) | | | | | | 16 | |
| Pump 400 (psi) | | | | | <u> </u> | | |
| Pump 401 (psi) | | | | | | | |
| | | | | | | | |
| Sequestering Agent Level (inches) | | | | | | 54.7 V | |
| Visual Inspection NDA | <u> </u> | | | | | | ~ |
| Visual Inspection TGA | | | | | | ~ | <i>V</i> |
| Cleaned/Changed Bag Filter #1 | | | | | | - | ~ |
| Cleaned/Changed Bag Filter #2 | | | | | | | <u> </u> |
| Cleaned Feed/ Discharge Tanks | | | | | | <u> </u> | |
| erformed Monthly/Quarterly Sampling | | | | | | ~ | <u> </u> |
| Tested Sump Pump Operation | | | | | | - | (|
| Cleaned Sump and Drain | | | | | | | ~ |
| Any Alarms? | | | | | | Na | Na |
| Additional Tasks/ Notes: | | | | | | | |
| ON: OFF: | | | | | | 4.5 | 4,5 |
| | | | | | | 40 | 4.0 |

| Date | 4/8/15 | 4/9 | 4/10 | 4/1 | 4/12 | M 4/1/3 | 4/14 |
|---------------------------------------|----------|----------|---------|---------------------------------------|----------|------------|----------|
| Daily Influent Meter Reading (gal) | | | TIC | 7/11 | | 1.1100 | · · //Ŧ |
| Total Influent since 1/1/2015 (gal) | | <u>_</u> | | | | <u> </u> | <u> </u> |
| Daily Effluent Meter Reading (gal) | 50% | 120 | 7560 | 5670 | Here | 3890 | ,70.00 |
| Total Effluent since 1/1/2015 (gal) | 364,171 | 370.418 | 377,898 | 5930 | 4060 | 391,544 | 3980 |
| Building Inlet Gauge (gpm) | | 210,418 | 211,010 | 383,676 | 387,689 | 1371,547 | 395,507 |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | <u>_</u> | | |
| Feed Tank Pump (5 to 20 psi) | | | | | | | |
| Air Stripper Pressure (psi) | 16 | | | | | | |
| Pump 400 (psi) | | | | | · | | |
| Pump 401 (psi) | 21 | | | | | | |
| · · · · · · · · · · · · · · · · · · · | | | | | | | |
| Sequestering Agent Level (inches) | | | | | | | 53.4 |
| Visual Inspection NDA | | · | | | | | V |
| Visual Inspection TGA | ~ | | | | | V | |
| Cleaned/Changed Bag Filter #1 | - | | | | | - | |
| Cleaned/Changed Bag Filter #2 | \sim | | | | | - | ~ |
| Cleaned Feed/ Discharge Tanks | ~ | | | | | ~ | <u> </u> |
| Performed Monthly/Quarterly Sampling | ^ | | | | | ~ | _ |
| Fested Sump Pump Operation | ~ | | | | | - | ~ |
| Cleaned Sump and Drain | \sim | | | | | | ~ |
| Any Alarms? | NO | | | | | NO | NO |
| Additional Tasks/ Notes: | | | | | | | |
| ON: | 4,5 | | | · · · · · · · · · · · · · · · · · · · | 4.5 | | 4.5 |
| OFF: | 40 | | | | 4.0 | | 4,C |
| | | | | | | <u></u> | |
| 4/12 Sunny 65° | | | | | | | |
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|---------------------------------------|----------|---------|----------|------------|------------|---------|---------|
| Date | 4/15/15 | 4/16 | 4/17 | 4/18 | 4/19 | 4/20 | 4/21 |
| Daily Influent Meter Reading (gal) | | | | 1 | | | |
| Total Influent since 1/1/2015 (gal) | | | | ÷. | | | |
| Daily Effluent Meter Reading (gal) | 4060 | 2610 | 3990 | 3350 | 380 | 3700 | 1840 |
| Total Effluent since 1/1/2015 (gal) | 399,542 | 402,127 | 406.074 | 409,395 | 413,235 | 446,935 | 423.701 |
| Building Inlet Gauge (gpm) | 44 | | | | | | 420 |
| Lead Bag Filter Inlet/ Outlet (psi) | 8/5 | The | | | | | 7/5 |
| Lag Bag Filter Inlet/Outlet (psi) | 0/1 | 624 | | | | | oll |
| Feed Tank Pump (5 to 20 psi) | 6 | AN8 | | | | | -6 |
| Air Stripper Pressure (psi) | 16.5 | | | | | | 16 |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | 21 | | | | | | 21 |
| | | | | | | | |
| Sequestering Agent Level (inches) | | | | | | | 52.3 |
| Visual Inspection NDA | | | | | | | |
| Visual Inspection TGA | V | | | | | | · · · |
| Cleaned/Changed Bag Filter #1 | ~ | | | | | | |
| Cleaned/Changed Bag Filter #2 | <u> </u> | | | | | | |
| Cleaned Feed/ Discharge Tanks | 1 | | | | | | |
| Performed Monthly/ Quarterly Sampling | <u> </u> | | | | | | |
| Tested Sump Pump Operation | - | | | | | | |
| Cleaned Sump and Drain | <u>_</u> | | | | | | |
| Any Alarms? | No | | | | | | NO |
| Additional Tasks/ Notes: | | | | | | | |
| ON: | 4.5 | | | | | | 4,5 |
| <i>OFF</i> : | 4.0 | | | | | | 4.0 |
| | | | | | | - | |
| Week of 4/20 cl | ear bru | h/logs | from out | tside of A | lence at 1 | VDA | |
| // | | / / / | | 10 | | | |
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|--------------------------------------|----------|----------|---------|---------------------------------------|---------|---------|---------|
| Date | 4/22 | 4/23 | 4/24 | 4/25 | 4/26 | 4/27 | 4/28 |
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015(gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 4550 | 4650 | 3800 | 3460 | 3450 | 33P | 3170 |
| Total Effluent since 1/1/2015 (gal) | 428,171 | 432,753 | 436,524 | 439,951 | 443,384 | 446,695 | 449,850 |
| Building Inlet Gauge (gpm) | 42 | | | , , , , , , , , , , , , , , , , , , , | | , | |
| Lead Bag Filter Inlet/ Outlet (psi) | 7.5/5 | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | 0/1 | | | | | | |
| Feed Tank Pump (5 to 20 psi) | 6 | | | | | | |
| Air Stripper Pressure (psi) | 15 | | | | | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| ······ | | | | | | | |
| Sequestering Agent Level (inches) | | 51.9 | | | | | 51.4 |
| Visual Inspection NDA | | V | | | | | r |
| Visual Inspection TGA | V | V | | | | | V |
| Cleaned/Changed Bag Filter #1 | | <u> </u> | | | | | (|
| Cleaned/Changed Bag Filter #2 | <u> </u> | | | | | | - |
| Cleaned Feed/ Discharge Tanks | | ~ | | | | | |
| Performer Monthly/Quarterly Sampling | HU) | | | | | | - |
| Fested Sump Pump Operation | | - | | | | | (|
| Cleaned Sump and Drain | - | <u> </u> | | | | | (|
| Any Alarms? | Na | NO | | | | | NC |
| Additional Tasks/ Notes: | | | | | | | ····· |
| | | 115 | | | | | 4,5 |
| ON | v: 4.5 | 4.5 | | | | | 110 |

| Date | 4/29 | 4/30 | | | | | |
|--------------------------------------|---------|----------|---------------------------------------|--|----------|---|----------|
| Daily Influent Meter Reading (gal) | | | | | <u> </u> | | |
| Total Influent since 1/1/2015 (gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 2340 | 3310 | | | | | |
| Total Effluent since 1/1/2015 (gal) | 452,157 | 455,390 | | | | | |
| Building Inlet Gauge (gpm) | 41.0 | | | | | | |
| Lead Bag Filter Inlet/ Outlet (psi) | 8/5 | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | 111 | | | | | | |
| Feed Tank Pump (5 to 20 psi) | 7 | | | | | | |
| Air Stripper Pressure (psi) | 16 | | | | | | <u> </u> |
| Pump 400 (psi) | | ···· | | | | | |
| Pump 401 (psi) | 21 | | | | | | |
| | | | | | | | |
| Sequestering Agent Level (inches) | 51.2 | | | | | | |
| Visual Inspection NDA | 51.2 | | | | | | |
| Visual Inspection TGA | V | | | | | | |
| Cleaned/Changed Bag Filter #1 | - | | | | | | |
| Cleaned/Changed Bag Filter #2 | ~ | | | ······································ | | | |
| Cleaned Feed/ Discharge Tanks | - | | | | | | |
| Performed Monthly/Quarterly Sampling | | | · · · · · · · · · · · · · · · · · · · | | | | |
| Tested Sump Pump Operation | | | | | | | |
| Cleaned Sump and Drain | _ | | | | | | ·· |
| Any Alarms? | NQ | | | | | | i |
| Additional Tasks/ Notes: | | × | | | | | |
| ON: | 4.5 | | | | | | |
| OFF: | 4.0 | | | | | | |
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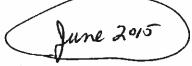
| Date | 5/1/15 | 5/2 | 5/3 | 5/4 | 5/5 | 5/6 | 5/7 |
|--------------------------------------|----------|---|---------------|------------------|----------------|-----------------|--|
| Daily Influent Meter Reading (gal) | | | <u>+~~</u> | | | 3/6 | |
| Total Influent since 1/1/2015 (gal) | | <u> </u> | + | | <u> </u> | | |
| Daily Effluent Meter Reading (gal) | 3100 | 2490 | 3020 | 2950 | 7222 | 2744 | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |
| Total Effluent since 1/1/2015 (gal) | 458 4 4 | 460,928 | 463,926 | | 4200 | 3240 473,412 | 1 the Enn |
| Building Inlet Gauge (gpm) | 7-04879 | 104120 | 102,106 | 446,849 | 11/3 | 7/3,4/2 | 4/0,222 |
| Lead Bag Filter Inlet/ Outlet (psi) | <u> </u> | <u>†</u> | 1 | <u>+</u> | i | ŀ | ł |
| Lag Bag Filter Inlet/Outlet (psi) | | | <u>+</u> | + | <u>├</u> i | | |
| Feed Tank Pump (5 to 20 psi) | 1 | <u> </u> | † | 1 | t | | |
| Air Stripper Pressure (psi) | † — | 1 | <u> </u> | 1 | | | ļ |
| Pump 400 (psi) | 1 | <u> </u> | + | <u> </u> | ├─── ┤ | | |
| Pump 401 (psi) | | | | ₫ −−−− | | | ļ |
| <u> </u> | 1 | t | <u> </u> | <u>†</u> | <u>├</u> ───┤ | | ļ |
| Sequestering Agent Level (inches) | | | <u> </u> | 1 | | 50.5 | |
| Visual Inspection NDA | | | | 1 | | ~ | ———— |
| Visual Inspection TGA | | | V | | | V | |
| Cleaned/Changed Bag Filter #1 | | | - | t1 | | | |
| Cleaned/Changed Bag Filter #2 | | | ~ | 1 | | | |
| Cleaned Feed/ Discharge Tanks | | | - | 1 | | | |
| Performed Monthly/Quarterly Sampling | | | - | 1 | | _ | |
| Tested Sump Pump Operation | | | | 1 1 | | | |
| Cleaned Sump and Drain | | | - | | | | |
| Any Alarms? | | | NO | [] | | NO | |
| Additional Tasks/ Notes: | | ······ | | <u>••••</u> •••• | | | |
| ON: | 4.5 | | | | | 4.5 | 3.5 |
| OFF: | | | | | | 4.0 | 3,0 |
| 5/7 changed in | itala le | vels at | <u>6W pur</u> | np station | <u>to</u> 3.51 | 3.0 | |

| Date | 5/8 | 5/2 | 5/10 | 5/11 | 5/12 | 5/3 | 3/14 |
|--------------------------------------|------------|-----------|----------|----------|--------------|----------|---------------|
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | 481.416 | 484.337 | 487.193 | 490,085 | 493,230 | 499,101 | |
| Daily Effluent Meter Reading (gal) | 2910 | 2930 | 2870 | 293- | 3150 | 5910 | 1490 |
| Total Effluent since 1/1/2015 (gal) | 481,416 | 484,331 | 487,193 | 490,088 | | | 50,577 |
| Building Inlet Gauge (gpm) | 14, 110 | <u> </u> | 10 1177 | 110,000 | 113,25 | 410 | 340,577 |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | 1014 | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | | 2/1 | |
| Feed Tank Pump (5 to 20 psi) | | | | | | 8 | |
| Air Stripper Pressure (psi) | - | | | | | 0 | |
| Pump 400 (psi) | 1 | | | | | | |
| Pump 401 (psi) | + | | | | ······ | <u> </u> | <u> </u> |
| | 1 | | | | | | |
| Sequestering Agent Level (inches) | | | | | 49.6 | | 49.4 |
| Visual Inspection NDA | | | , | V | V | | V. |
| Visual Inspection TGA | | ~ | | V | V | V | V |
| Cleaned/Changed Bag Filter #1 | | | | | | <u> </u> | |
| Cleaned/Changed Bag Filter #2 | | | | ~ | ~ | ~ | <u> </u> |
| Cleaned Feed/ Discharge Tanks | | - | | ~ | | | |
| Performed Monthly/Quarterly Sampling | | _ | | | | | |
| Cested Sump Pump Operation | | - | | | _ | ~ | |
| Cleaned Sump and Drain | | - | | | _ | ~ | |
| Any Alarms? | | Na | | NO | Na | NO | NO |
| Additional Tasks/ Notes: | | <u> </u> | | | | | <u> </u> |
| ON: | | | | 35 | 3.5 45 | 2.5 | Girland 2. |
| OFF: | <u></u> | | | 3.0 | 3.9/20 | | |
| | | | | | | 0.13 | |
| | | <u></u> | | | | | <u> </u> |
| \$13 change intake | to 2.51 | 20 ml | 130AM | ····· | | <u> </u> | |
| Still Davin it a | 5 A o Dain | Alexandi | ng leak | tem | una A et. | t. 0- | |
| Phone # 2 to | he oall | and have | | | A sta | uon 100 | more |
| all intil A | at and | to to Pal | IV Ded | Sarta to | <u>union</u> | low Al | <u>x puns</u> |
| | ing are a | manalla. | <u> </u> | | | | <u> </u> |
| | | | | | | | |

| Date | 5/15 | 5/16 | 5/17 | 5/18 | 5/19 | 5/ac | chi |
|---------------------------------------|---------|---------|----------|---------|----------|---------|---|
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | a | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Effluent since 1/1/2015 (gal) | 500,571 | 500,577 | 509,577 | 500,577 | | 500.577 | 5257 |
| Building Inlet Gauge (gpm) | | | | - ,212 | | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | 1 | | | | |
| Feed Tank Pump (5 to 20 psi) | 6 | | | | | | |
| Air Stripper Pressure (psi) | | | | | | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| Sequestering Agent Level (inches) | | | | | | | |
| Visual Inspection NDA | | | | | | | |
| Visual Inspection TGA | | | | | | | |
| Cleaned/Changed Bag Filter #1 | | | | | | | |
| Cleaned/Changed Bag Filter #2 | | | | | | | |
| Cleaned Feed/ Discharge Tanks | | | | | | | |
| Performed Monthly/ Quarterly Sampling | | | | | | | |
| Tested Sump Pump Operation | | | | | | | |
| Cleaned Sump and Drain | | | | | | | |
| Any Alarms? | | | | | | | |
| Additional Tasks/ Notes: | | | | . 0 | | | |
| ON: | | | Gur | 5.98 | | 7,34 | 7.81 |
| OFF: | | | · | <u></u> | | 1.57 | |
| | ··· | | | | <u> </u> | | |
| System off 5/15. | -5/29 | | | | <u></u> | | |
| 7 V0 - 27- | | ÷ | | <u></u> | | | |
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| Data | 5/22 | 6/22 | | | _/ | | |
|---------------------------------------|-----------|---------|----------|---------|---------|----------|-------|
| Date | 5/22 | 5/23 | 5/24 | 5/25 | 5/20 | 5/27 | 5/28 |
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015(gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 0 | 0 | 0 | 0 | 0 | e 40 | 0 |
| Total Effluent since 1/1/2015 (gal) | Sag 577 | 500,577 | 500,577 | 500,577 | 500,577 | Sen 571 | 32444 |
| Building Inlet Gauge (gpm) | | | | | | | |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | | | |
| Feed Tank Pump (5 to 20 psi) | 31 | | | | | | |
| Air Stripper Pressure (psi) | | | | | _ | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| | | | | | | | |
| Sequestering Agent Level (inches) | | | | | | | |
| Visual Inspection NDA | | | | | | | |
| Visual Inspection TGA | | | | | | | |
| Cleaned/Changed Bag Filter #1 | | | | | | | |
| Cleaned/Changed Bag Filter #2 | | | | | | | |
| Cleaned Feed/ Discharge Tanks | | | | * | | | |
| Performed Monthly/ Quarterly Sampling | | | | | | | |
| Tested Sump Pump Operation | | | | | | | |
| Cleaned Sump and Drain | | | | | | | |
| Any Alarms? | | | | | | | |
| Additional Tasks/ Notes: | <u></u> _ | | <u> </u> | | | <u>_</u> | |
| ON: | | | | | 9.95 | 10.29 | |
| OFF: | | | | | 115 | 10,27 | |
| <u>System ol f 5/15 - 5</u> | -/29 | | | | | | |

| 5/29 | 5/3c | 5/31 | | | 1 | 1 |
|----------|----------|--------------------------------|--|--|---|---|
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| 6130 | 1660 | 2050 | | 1 | [| · |
| 507.111 | 4 | | 1 | - | <u> </u> | |
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| elizent. | + effle | sent sa | mpling | | | |
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| | | 6130 507,111 508,759 | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 6130 1660 $205c$ $507,111$ $508,759$ $570,800$ $$ | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ |



| | M | T | W | Th | Fri | • | |
|---------------------------------------|----------|----------|-------------------------|--------|----------------|--|---------|
| Date | 6/1/15 | 6/2 | 6/3 | 6/4 | 6/5 | 6/6 | 6/7 |
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | 512,788 | SHI 906 | | | | | |
| Daily Effluent Meter Reading (gal) | 2010 | | 6720 | 2540 | 6420, | 3010 | 1970 |
| Total Effluent since 1/1/2015 (gal) | 512,788 | 514.906 | <u>6,720</u> 520,584 | 528115 | 529.465 | 532.525 | 534,482 |
| Building Inlet Gauge (gpm) | | | 480 | | | -20,000 | <u></u> |
| Lead Bag Filter Inlet/ Outlet (psi) | | | 8/5 | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | 2/1 | | | | |
| Feed Tank Pump (5 to 20 psi) | | | 8 | | | | |
| Air Stripper Pressure (psi) | | | 15 | | | | |
| Pump 400 (psi) | | | 18 | | | | |
| Pump 401 (psi) | | | | 2 | | | |
| | | | + | - | | | |
| Sequestering Agent Level (inches) | | | 48.6 | 48.45 | | | |
| Visual Inspection NDA | | | V | | | <u>. </u> | |
| Visual Inspection TGA | | | ~ | | | | |
| Cleaned/Changed Bag Filter #1 | | | ~ | T | \overline{a} | | |
| Cleaned/Changed Bag Filter #2 | | | | - | | | · |
| Cleaned Feed/ Discharge Tanks | | | _ | | | | |
| Performed Monthly/Quarterly Sampling | | | _ | į. | | | |
| Tested Sump Pump Operation | | | ~ | - | | | |
| Cleaned Sump and Drain | | | ~ | | | | |
| Any Alarms? | | | - | | | | |
| Additional Tasks/ Notes: | | | | | | | |
| ON: | 9.5 | 9.5 | 8.5 | 8.5 | 7,5 | · · · · · · · · · · · · · · · · · · · | 7.5 |
| OFF: | 9.0 | 9.0 | 8.0 | 8.0 | 7. C cha | me | 7.0 |
| | | _ | chango @ 1. | 245AM | its | IM | |
| | | | | | | | |
| 6/5/15 chan | nged Bag | lilter - | #1 | | | | |
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| Date | 6/8/15 | 6/9 | 6/10 | 6/11 | 6/12 | 6/13 | 6/14 |
|--|-----------|---------|---|--------------|-----------|----------|-----------|
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | | | 1 | | | | |
| Daily Effluent Meter Reading (gal) | 2370 | 3320 | 3500 | 13,200 | 4460 | 4440 | 3910 |
| Total Effluent since 1/1/2015 (gal) | 536.8% | 540 126 | 543575 | 55669 | 561,057 | 565 481 | 569376 |
| Building Inlet Gauge (gpm) | 160 | , , | , | 55669 490 | | | |
| Lead Bag Filter Inlet/ Outlet (psi) | 2/2 | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | 00 | | | | | | |
| Feed Tank Pump (5 to 20 psi) | a | | | | | | |
| Air Stripper Pressure (psi) | 15 | | | | | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | 21 | | | | | | |
| | | | | | | | |
| Sequestering Agent Level (inches) | | | | | | | |
| Visual Inspection NDA | | | | | | | |
| Visual Inspection TGA | ~ | | | | | | |
| Cleaned/Changed Bag Filter #1 | - | | | | | | |
| Cleaned/Changed Bag Filter #2 | \sim | | | | | | |
| Cleaned Feed/ Discharge Tanks | <u> </u> | | | | | | |
| Performed Monthly/Quarterly Sampling | ^ | | | | | | |
| Tested Sump Pump Operation | \neg | | | | | | |
| Cleaned Sump and Drain | \sim | | | | | | |
| Any Alarms? | - | | | | | | |
| Additional Tasks/ Notes: | | | | | | | |
| ON: | 7.5 - | | | 6.5- | | | 6.5 |
| OFF: | | 11 tond | 4 druggle | 60 | | | 6.0 |
| M 6/8/5 Heavy rain a | t timos 6 | plic p | 6/10/15 | Heavy Ra | in at tim | 0) | |
| M 6/8/05 Heavy rain & 6/11/15 DAY on site | , Raise F | ump #2 | in 6WS | ump | Remore | sebble f | rem check |
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|---------------------------------------|----------|---------|-----------|----------|--------------|---------|---------------------------------------|
| Date | 6/15 | 6/16 | 6/17 | 6/18 | 6/19 | 6/20 | 6/21 |
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 4620 | 9300 | 4710 | 4000 | 6820 | 3430 | 3250 |
| Total Effluent since 1/1/2015 (gal) | 573,995 | 583,223 | 587,923 | 591, 891 | 598,669 | 602.095 | 605.320 |
| Building Inlet Gauge (gpm) | 48 9 | 65,2 | | | 480 | | |
| Lead Bag Filter Inlet/ Outlet (psi) | 5/5 | 8/8 | | | 5/5 | | |
| Lag Bag Filter Inlet/Outlet (psi) | 0/2 | 214 | | | 0/2 | | |
| Feed Tank Pump (5 to 20 psi) | 5 | 10 | | | 10 | | |
| Air Stripper Pressure (psi) | | 13 | | | | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| | | | | | 1 | | |
| Sequestering Agent Level (inches) | 46.9 | | | | 46.5 | | |
| Visual Inspection NDA | ~ | V | | | 46.5 | | |
| Visual Inspection TGA | ~ | V | | | ~ | | |
| Cleaned/Changed Bag Filter #1 | - | - | | | - | - | |
| Cleaned/Changed Bag Filter #2 | (| - | | | \sim | | |
| Cleaned Feed/ Discharge Tanks | (| | | | - | | |
| Performed Monthly/ Quarterly Sampling | ~ | - | | | | | |
| Tested Sump Pump Operation | \sim | - | | | - | ĺ | |
| Cleaned Sump and Drain | - | 1 | | | ~ | | |
| Any Alarms? | (| / | | | | | |
| Additional Tasks/ Notes: | | | | | | | · · · · · · · · · · · · · · · · · · · |
| ON: | 6.5 | 5,5 | | | B B45 | | 4.5 |
| OFF: | 6.0 | 5.0 | | | 84 4.0 | | 4.0 |
| 6/16 1030 change to 5.5' | | | | | | | |
| 6/19 Adjust AMD SE | thing to | ~52A | los Puros | 0#2 (Gu |) at sam | el bar | |
| alla channe GW | on all 1 | to 4.5 | 74,0 | | ,, | - wap- | |
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| Date | M | 1/2 | 1 bit | | 1 / 10 10 | 1 | 1 |
|---------------------------------------|----------|---------|----------|---------|-----------|---------|---------|
| | 6/22/15 | 6/23 | 6/24 | 6/25 | 6/26_ | 6/27 | 6/28 |
| Daily Influent Meter Reading (gal) | - | | | | | | |
| Total Influent since 1/1/2015(gal) | | -7 | | | | | - 11/0 |
| Daily Effluent Meter Reading (gal) | 3200 | 3200 | 3130 | 2970 | 2920 | 288 | 3440 |
| Total Effluent since 1/1/2015 (gal) | 60F,49/ | 611,681 | 614,795 | 617.744 | 620,656 | 623,512 | 626,911 |
| Building Inlet Gauge (gpm) | | | | | ļ | | |
| Lead Bag Filter Inlet/ Outlet (psi) | _ | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | | | |
| Feed Tank Pump (5 to 20 psi) | | | | | | | |
| Air Stripper Pressure (psi) | | | | | | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| | | | | l | | | |
| Sequestering Agent Level (inches) | | | 46.0 | | 45.9 | | |
| Visual Inspection NDA | | | V | | | | |
| Visual Inspection TGA | V | | レ | | V | | |
| Cleaned/Changed Bag Filter #1 | ^ | | (| | ` | | |
| Cleaned/Changed Bag Filter #2 | | | ~ | | 1 | | |
| Cleaned Feed/ Discharge Tanks | | | 1 | | - | | |
| Performed Monthly/ Quarterly Sampling | | | ſ | | \ | | |
| Tested Sump Pump Operation | | | | | | | |
| Cleaned Sump and Drain | ~ | | ^ | | \neg | | |
| Any Alarms? | - | | | | - | | |
| Additional Tasks/ Notes: | | | | | | | |
| | | | 4.5 | | 4.8 | | |
| ON | 4.5 | | | | | | |

| Date | 6/29 | 6/30 | | | - |
|--------------------------------------|----------|-----------------|--------|--------------|---|
| Daily Influent Meter Reading (gal) | | | | | 1 |
| Total Influent since 1/1/2015 (gal) | | | | | |
| Daily Effluent Meter Reading (gal) | 2870 | 3190 | | | |
| Total Effluent since 1/1/2015 (gal) | 629,769 | 3190 632,938 | | | |
| Building Inlet Gauge (gpm) | | | | | |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | |
| Feed Tank Pump (5 to 20 psi) | | | | | |
| Air Stripper Pressure (psi) | | | | | |
| Pump 400 (psi) | | | | | |
| Pump 401 (psi) | | | | | |
| | | | | | |
| Sequestering Agent Level (inches) | | | | | |
| Visual Inspection NDA | | | | | |
| Visual Inspection TGA | ~ | | | | |
| Cleaned/Changed Bag Filter #1 | ~ | | | | |
| Cleaned/Changed Bag Filter #2 | <u> </u> | | | | |
| Cleaned Feed/ Discharge Tanks | ~ | | | | |
| Performed Monthly/Quarterly Sampling | ~ | | | | |
| Tested Sump Pump Operation | \sim | | | | |
| Cleaned Sump and Drain | ~ | | | | 5 |
| Any Alarms? | - | | | | |
| Additional Tasks/ Notes: | | | | | |
| ON: | 45 | 4.5 | ······ | | |
| <i>OFF</i> : | 4.0 | 40 | | | |
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| <u>7/9</u> <u>3/2</u> <u>661,982</u> <u>44.9</u> | 2550 664,552 | 7/11 2760 667,292 | 7/12 | 2680) 672,789 | 2730 675,416 |
|---|-----------------|-------------------------|------|------------------|-----------------|
| <u>661,982</u> | 2550 669,532 | 2760 | | | |
| <u>661,982</u> | 2550 669,532 | 2760 667,292 | | | |
| <u>661,982</u> | 669,532 | 667,292 | | | |
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| Date | 7/15 | 7/16 | 7/17 | 7/18 | 7/19 | 7/20 | 7/21 |
|--------------------------------------|---------|----------|----------|----------|---------|---------|---------|
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 2682 | 2400 | 2730 | 3090 | 3100 | 2790 | 2900 |
| Total Effluent since 1/1/2015 (gal) | 678,110 | 680,514 | 683,219 | 686.287 | 689,375 | 692,145 | 695.038 |
| Building Inlet Gauge (gpm) | | 61E | 62 E | .686,287 | | | |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | | | |
| Feed Tank Pump (5 to 20 psi) | | | | | | | |
| Air Stripper Pressure (psi) | | 15 | | | | | |
| Pump 400 (psi) | | | 20 | | | | |
| Pump 401 (psi) | | 2) | | | | | |
| | | | | | | | |
| Sequestering Agent Level (inches) | | 443 | | | | | |
| visual Inspection NDA | | 1 | | | | | |
| Visual Inspection TGA | | _ | \sim | | | | |
| Cleaned/Changed Bag Filter #1 | | (|) | | | | |
| Cleaned/Changed Bag Filter #2 | | (| (| | | | |
| Cleaned Feed/ Discharge Tanks | | - | \sim | | | | |
| Performed Monthly/Quarterly Sampling | | - | | | | | |
| Fested Sump Pump Operation | | ſ | - | | | | |
| Cleaned Sump and Drain | | ^ | _ | | | | |
| Any Alarms? | | - | <u> </u> | | | | ···· |
| Additional Tasks/ Notes: | | | | | | | |
| ON: | 4.5 | | 4.5 | | | | |
| OFF: | 4.0 | | 4.0 | | | | |

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|---------------------------------------|----------|----------|---------|---------|--------|------------|--------------|--|
| Date | 7/22 | 7/23 | 7/24 | 7/25 | 7/26 | 7/27 | 7/28 | |
| Daily Influent Meter Reading (gal) | | | | | | | | |
| Total Influent since 1/1/2015(gal) | | | | | | | | |
| Daily Effluent Meter Reading (gal) | 2.820 | 2.890 | 2140 | 3/90 | 2590 | 2530 | 2610 | |
| Total Effluent since 1/1/2015 (gal) | 697, 839 | 700, 699 | 702,831 | 706,000 | 718,50 | 711,083 | 713,57 | |
| Building Inlet Gauge (gpm) | | | | | | ļ | 610 | |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | | 8/7 | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | | | 2/3 | |
| Feed Tank Pump (5 to 20 psi) | | | | | | | 9 | |
| Air Stripper Pressure (psi) | | | | | | | | |
| Pump 400 (psi) | | | | | | | | |
| Pump 401 (psi) | | | | | | | | |
| | | | | | | | | |
| Sequestering Agent Level (inches) | | 1 | | | | | 43.4 | |
| Visual Inspection NDA | | | | | | | / | |
| Visual Inspection TGA | | | | | | 1 | \checkmark | |
| Cleaned/Changed Bag Filter #1 | | | | | | — . | (| |
| Cleaned/Changed Bag Filter #2 | | | | | | ^ | - | |
| Cleaned Feed/ Discharge Tanks | | | | | | | - | |
| Performed Monthly/ Quarterly Sampling | | | | | | - | 5 | |
| Tested Sump Pump Operation | | | | | | - | - | |
| Cleaned Sump and Drain | | | | | | - | - | |
| Any Alarms? | | | | | | | - | |
| Additional Tasks/ Notes: | | | | | | | | |
| | l: | | | | | 4.5 | 4,5 | |
| ON | | | | | | 4.0 | | |

| Date | 1/23 | 7/30 | 7/31 | | | |
|--------------------------------------|--------|-----------------|---------|----------|---|----------|
| Daily Influent Meter Reading (gal) | | - <i>''</i> | | <u> </u> | 1 | |
| Total Influent since 1/1/2015 (gal) | | 1 | | | | |
| Daily Effluent Meter Reading (gal) | 2610 | 2770 | 2030 | | | |
| Total Effluent since 1/1/2015 (gal) | 716265 | 2770 719,027 | 721.037 | | | |
| Building Inlet Gauge (gpm) | | | | | | |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | 1 | |
| Feed Tank Pump (5 to 20 psi) | | | | | | |
| Air Stripper Pressure (psi) | | | - | | | |
| Pump 400 (psi) | | | | | | <u> </u> |
| Pump 401 (psi) | | | | | | |
| | | | | | | |
| Sequestering Agent Level (inches) | | | | | | |
| Visual Inspection NDA | | | | | | |
| Visual Inspection TGA | | | | | | |
| Cleaned/Changed Bag Filter #1 | 53 | | | | | |
| Cleaned/Changed Bag Filter #2 | | | | | | |
| Cleaned Feed/ Discharge Tanks | | | | | | |
| Performed Monthly/Quarterly Sampling | | | | | | |
| Tested Sump Pump Operation | | | | | | |
| Cleaned Sump and Drain | | | | | | |
| Any Alarms? | | | | | | |
| Additional Tasks/ Notes | | | | | | |
| ON: | | | | | | |
| OFF: | | | _ | | | |
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| Date | 8/1/15 | 8/2 | 8/3 | 8/4 | 8/5 | 8/6 | 6/7 |
|-------------------------------------|---------|---------|---------|-----------|---------------------------------------|-------------|----------|
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 1140 | C | 6260 | 2840 | 2320 | 2720 | 2500 |
| Total Effluent since 1/1/2015 (gal) | 722,179 | 722,179 | 728,359 | 731,183 | 733507 | 73 | 738, 88 |
| Building Inlet Gauge (gpm) | | | 63 | , <u></u> | ···· | | <u> </u> |
| Lead Bag Filter Inlet/ Outlet (psi) | | | 2/7 | | | <u></u> | |
| ag Bag Filter Inlet/Outlet (psi) | | | 2/3 | | | · · · · · · | |
| Feed Tank Pump (5 to 20 psi) | | | 9 | | | | |
| Air Stripper Pressure (psi) | | | 15 | · | | | |
| Pump 400 (psi) | | | | | · · · · · · · · · · · · · · · · · · · | | |
| Pump 401 (psi) | | | 22 | | | | |
| | | | | | | | |
| equestering Agent Level (inches) | | | 47.8 | | | | |
| Visual Inspection NDA | | | V | | | | 12 |
| isual Inspection TGA | | | V | <u></u> | · · · · · | | |
| Cleaned/Changed Bag Filter #1 | | | 1 | | | | |
| Cleaned/Changed Bag Filter #2 | | | / | | | | |
| Cleaned Feed/ Discharge Tanks | | | / | | | | |
| erformed Monthly/Quarterly Sampling | | | - | | | | |
| ested Sump Pump Operation | | | - | | | | |
| Cleaned Sump and Drain | | | 1 | | | | |
| Any Alarms? | | | | | | | |
| dditional Tasks/ Notes: | | | | | | | |
| | 115 | | | | | 8 | |
| ON: | 7.0 | | | | | | |

| Date | 8/8 | 8/9 | 8/10 | 8/11 | 8/12 | 8/13 | 8/14 |
|--------------------------------------|----------|----------|---|---------|---------|--|---------|
| Daily Influent Meter Reading (gal) | | | (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) |] | | | |
| Total Influent since 1/1/2015 (gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 2480 | 2470 | 2705 | 233- | 2740 | 2230 | 3070 |
| Total Effluent since 1/1/2015 (gal) | 741,168 | 743,611 | 746,290 | 748,600 | 751.309 | 753,533 | 756,537 |
| Building Inlet Gauge (gpm) | | | | | | <u>, , , , , , , , , , , , , , , , , , ,</u> | |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | | | |
| Feed Tank Pump (5 to 20 psi) | | 1 | | | | | |
| Air Stripper Pressure (psi) | | S | | | 57 | 1 | |
| Pump 400 (psi) | | · | | | [| | |
| Pump 401 (psi) | | | | | | | |
| | | | | | | | |
| Sequestering Agent Level (inches) | | 1 | | | | | |
| Visual Inspection NDA | | | | | | | |
| Visual Inspection TGA | | | | | | 1 | |
| Cleaned/Changed Bag Filter #1 | <u> </u> | | | | | | |
| Cleaned/Changed Bag Filter #2 | | | | | | | |
| Cleaned Feed/ Discharge Tanks | | | | | | | |
| Performed Monthly/Quarterly Sampling | | | | | | | |
| Tested Sump Pump Operation | | | | | | | |
| Cleaned Sump and Drain | 1 | | | | | ļ | |
| Any Alarms? | | | | | | | |
| Additional Tasks/ Notes: | | | | I | | <u> </u> | |
| ON: | | | | | | | |
| OFF: | | | | - | | | |
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| Date | 8/15 | 8/16 | 8/17 | 8/18 | 8/19 | 8/20 | 8/21 |
|--------------------------------------|--|----------|-------|---------|---|---------|-------------------------------|
| Daily Influent Meter Reading (gal) | | | | | | Τ | |
| Total Influent since 1/1/2015 (gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 2560 | 2390 | 2690 | 2410 | 2620 | 1440 | 3430 |
| Total Effluent since 1/1/2015 (gal) | 759,088 | 761,480 | 70,38 | 7895944 | 769,144 | 770,589 | |
| Building Inlet Gauge (gpm) | | 1 | | | , <u>, , , , , , , , , , , , , , , , , , </u> | | 6 |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | 1 | 8/6 |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | | | 2/4 |
| Feed Tank Pump (5 to 20 psi) | | | | | | 1 | 10 |
| Air Stripper Pressure (psi) | | | | | | | 15.5 |
| Pump 400 (psi) | | | | | - | | 20 |
| Pump 401 (psi) |] | | | | | | |
| | | | | | | | |
| Sequestering Agent Level (inches) | <u> </u> | İ - | | | | | 41.5 |
| Visual Inspection NDA | | | | | | | |
| Visual Inspection TGA | · · · · · · · · · · · · · · · · · · · | | | | 91 | | V |
| Cleaned/Changed Bag Filter #1 | | | | | | 1 | - |
| Cleaned/Changed Bag Filter #2 | | | | | | | - |
| Cleaned Feed/ Discharge Tanks | | | | | | | ~ |
| Performed Monthly Quarterly Sampling | <u> </u> | | | | | | $\langle \mathcal{T} \rangle$ |
| Tested Sump Pump Operation | | | | | | | |
| Cleaned Sump and Drain | | | | | | | _ |
| Any Alarms? | | | | | | | 3.9 |
| Additional Tasks/ Notes: | <u>. </u> | <u>.</u> | | | | | |
| ON: | 4.5 | · | | | | | 4,5 |
| OFF: | 4.0 | 7 | | | | | - U.N |
| | 1.0 | | | | | | 7,0 |
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| Nelle Influence Manage Days 15 (1) | 8/22 | 8/23 | 8/24 | 6/25 | 8/24 | 8/27 | 6/28 |
|-------------------------------------|-----------|---------|--------------|-----------------|---------|---------|----------|
| Daily Influent Meter Reading (gal) | | | | | | | |
| Fotal Influent since 1/1/2015 (gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 0 | 0 | 8860 | 3130 | 2960 | 2980 | 2400 |
| fotal Effluent since 1/1/2015 (gal) | 773,983 | 773,983 | 782,763 | | 788,797 | 791,786 | 794, 192 |
| Building Inlet Gauge (gpm) | | | 4Pu | 785,871 60 E | | | , , |
| Lead Bag Filter Inlet/ Outlet (psi) | | | 47575 | 8/6 | | | |
| ag Bag Filter Inlet/Outlet (psi) | | | oli | 2/3 | | | |
| Feed Tank Pump (5 to 20 psi) | 24. († | | 6 | 9 | | | |
| Air Stripper Pressure (psi) | | | <i>is</i> | • | | | |
| Pump 400 (psi) | | | 20 | | - | | |
| Pump 401 (psi) | | | | | | | |
| | | | | | | | |
| equestering Agent Level (inches) | | | 41.2 | | | | |
| visual Inspection NDA | | | \checkmark | 5 | | | |
| visual Inspection TGA | | | V | 2 | | | |
| Cleaned/Changed Bag Filter #1 | | | <u> </u> | (| | | |
| Cleaned/Changed Bag Filter #2 | | | | (| | | |
| Cleaned Feed/ Discharge Tanks | | | | (| | | |
| erformed Monthly/Quarterly Sampling | | | _ | (| | | |
| ested Sump Pump Operation | | | - | (| | | |
| Cleaned Sump and Drain | | | _ | (| | | |
| Any Alarms? | | | | - | | | |
| Additional Tasks/ Notes: | | | | | | | |
| ON: | | | 45 | 4,5 | · | | |
| OFF: | | | 40 | 4.0 | | | |
| | | 33 | | | | | |

| Date | Glin | Sun | | | l | 1 | |
|--------------------------------------|---------|----------|-----------------|---------------------------------------|----------|----------|----------|
| | 8/29 | \$30 | 8/31 | | <u>Γ</u> | <u> </u> | <u> </u> |
| Daily Influent Meter Reading (gal) | | <u> </u> | | | ļ | | |
| Total Influent since 1/1/2015 (gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 2650 | 2470 | 2610 | | | | |
| Total Effluent since 1/1/2015 (gal) | 796.821 | 799,279 | 2610 801,901 | | | | |
| Building Inlet Gauge (gpm) | | | - | | | | |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | | | |
| Feed Tank Pump (5 to 20 psi) | | | | | | | |
| Air Stripper Pressure (psi) | | | | | | | _ |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| | | | | | | | |
| Sequestering Agent Level (inches) | | | | | | | |
| Visual Inspection NDA | | | | | | | |
| Visual Inspection TGA | | | | | | | |
| Cleaned/Changed Bag Filter #1 | | | | | | · | |
| Cleaned/Changed Bag Filter #2 | | | | | | | |
| Cleaned Feed/ Discharge Tanks | | | | | | | |
| Performed Monthly/Quarterly Sampling | | | | | | <u> </u> | |
| Tested Sump Pump Operation | | | j | | | | |
| Cleaned Sump and Drain | | | | | | | <u> </u> |
| Any Alarms? | | | | <u></u> | | | |
| Additional Tasks/ Notes: | | | <u> </u> | · · · · · · · · · · · · · · · · · · · | • | | <u> </u> |
| ON: | | | 4.5 | | | | |
| OFF: | | | 4.0 | | | | |
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|--------------------------------------|---------------|--------------|-----------|------------|------------------|-------------------|-----------------|
| Date | 9/1/15 | 9/2 | 4/3 | 9/4 | 9/5 | 9/6 | Labor |
| Daily Influent Meter Reading (gal) | <u> </u> | | 7/2 | | | <u> 7/6</u> | <u> 9/ / _</u> |
| Total Influent since 1/1/2015 (gal) | | <u> </u> | | | | <u> </u> | <u> </u> |
| Daily Effluent Meter Reading (gal) | 1460 | 408c | 2480 | 2730 | 2500 | 771- | 7/00 |
| Total Effluent since 1/1/2015 (gal) | 803,329 | 807,389 | 809,867 | 812,517 | | 2310 | 2480 |
| Building Inlet Gauge (gpm) | | | 00/100/ | 012,351 | 815,028 | 8/7,321 | 819,715 |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | f | | | |
| Lag Bag Filter Inlet/Outlet (psi) | † | | | | | | <u> </u> |
| Feed Tank Pump (5 to 20 psi) | | | | | | | |
| Air Stripper Pressure (psi) | | | | | | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | <u> </u> | |
| | | | | | 53 - | | |
| Sequestering Agent Level (inches) | | | 40.2 | | | | |
| Visual Inspection NDA | | | | | | | <u> </u> |
| Visual Inspection TGA | † | | | | | | |
| Cleaned/Changed Bag Filter #1 | † | | | <u> </u> | | | |
| Cleaned/Changed Bag Filter #2 | | | | | | | |
| Cleaned Feed/ Discharge Tanks | | | | | | | |
| Performed Monthly/Quarterly Sampling | | | | | | | |
| Tested Sump Pump Operation | | ~ | ~ | | | | |
| Cleaned Sump and Drain | | _ ~ _ | ~ | | | | |
| Any Alarms? | | | | | | | |
| Additional Tasks/ Notes: | | | <u> </u> | | | | |
| ON: | 4.5 | | | | | | |
| OFF: | 4.0 | - | | <u> </u> | | | |
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| 9/1/15 DAY on site 7 | to chance | A. S. d. | relace an | Numb In | ine la | | A-5 |
| discharge s | umps/el | iminater | from | NINTAM | AS | the second second | |
| discharge 1 | tirectly; | to server | ina a | Iston d. | inda - | NUMPA | Pinne |
| mas re-ro | nted so 7 | the disr | haras the | ne nat | mode | | - VIII IIG |
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|--------------------------------------|---------------|---------|----------|---------------|---------------|----------|----------|
| Date | 9/8 | 9/9 | 9/10 | 9/H | 9/12 | 9/13 | 9/14 |
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 2710 | 2520 | 2370 | 2540 | 2630 | 3340 | 2430 |
| Total Effluent since 1/1/2015 (gal) | | 824,440 | 827 239 | 429715 | \$32,375 | 835 637 | 838,017 |
| Building Inlet Gauge (gpm) | | | <u> </u> | - OK I'Y / B* | 0201213 | | 0.00,017 |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | | | |
| Feed Tank Pump (5 to 20 psi) | | | | | <u> </u> | | |
| Air Stripper Pressure (psi) | | | | | <u>├</u> ───- | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | <u> </u> | | | · |
| | | | | | | | |
| Sequestering Agent Level (inches) | | 39.6 | | | | | · |
| Visual Inspection NDA | | V | <u>-</u> | | | | V |
| Visual Inspection TGA | ~ | V | | | | | 1/ |
| Cleaned/Changed Bag Filter #1 | - | , | | | | <u> </u> | |
| Cleaned/Changed Bag Filter #2 | | ~ | | | | | (|
| Cleaned Feed/ Discharge Tanks | | _ | <u></u> | _ | <u> </u> | | |
| Performed Monthly/Quarterly Sampling | | - | | | | | |
| Tested Sump Pump Operation | $\overline{}$ | - | | | <u>_</u> | | |
| Cleaned Sump and Drain | | - | | | | | |
| Апу Alarms? | _ | - | | | | | - |
| Additional Tasks/ Notes: | | | | <u> </u> | | | |
| ON: | 4.5 | | | | | | 4.5 |
| OFF: | 40 | | .= | <u>-</u> | | | 4.0 |
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| Rochester Fire Academy Weekly L | og |
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| Date | 9/15 | 9/10 | 9/17 | 9/18 | 9/19 | 9/20 | 9/20 |
|--------------------------------------|---------|--------|------------|---------|---------|---------|----------|
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | 840,527 | 843275 | 545,781 | 848,462 | 851,455 | 853.871 | 855,457 |
| Daily Effluent Meter Reading (gal) | 2520 | 2780 | 2510 | 2.805 | 30% | 2430 | P6-20 |
| Total Effluent since 1/1/2015 (gal) | | | | | | P 17- | |
| Building Inlet Gauge (gpm) | | | | | | | |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | <u>_</u> . | | | | |
| Feed Tank Pump (5 to 20 psi) | | | | | | | |
| Air Stripper Pressure (psi) | | | | | | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| | | | | | | ~ | |
| Sequestering Agent Level (inches) | | | | | | | 38.4 |
| Visual Inspection NDA | | | | | | | V |
| Visual Inspection TGA | | | | | | · | - |
| Cleaned/Changed Bag Filter #1 | | | | | | | ~ |
| Cleaned/Changed Bag Filter #2 | | | | | | | ~ |
| Cleaned Feed/ Discharge Tanks | | | | | | | ~ |
| Performed Monthly/Quarterly Sampling | | | | | | | <u> </u> |
| Tested Sump Pump Operation | | | _ | | | | (|
| Cleaned Sump and Drain | | | | | | | ^ |
| Any Alarms? | | | | | | | - |
| Additional Tasks/ Notes: | | | | | | | |
| ON: | 45- | | | | | | |
| OFF: | 4.0 - | ÷ | | | | | |
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| Date | 9/22 | 9/23 | 9/24 | 9/25 | 9/26 | 2/27 | 9/28 |
|--------------------------------------|------------|-----------------------------|----------|----------|----------|---|-----------------|
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | | i — — | | · · · · | | <u> </u> | |
| Daily Effluent Meter Reading (gal) | 7830 | 25.6 | 2440 | 3070 | 2410 | 251c | 2600 |
| Total Effluent since 1/1/2015 (gal) | 859,290 | 861.833 | 864,232 | 867,283 | 869,664 | 872,125 | |
| Building Inlet Gauge (gpm) | 1 | 861,833 47 ^{WD} | | | -010-07 | | 874674 47 WD |
| Lead Bag Filter Inlet/ Outlet (psi) | | 6/5 | | <u> </u> | | + | 1 K |
| Lag Bag Filter Inlet/Outlet (psi) | 1 | 0/1 | | | | <u> </u> | 0/1 |
| Feed Tank Pump (5 to 20 psi) | | 5 | | 197 | | <u> </u> | 5 |
| Air Stripper Pressure (psi) | | | <u> </u> | <u> </u> | | <u> </u> | Ť |
| Pump 400 (psi) | | | | | <u> </u> | <u> </u> | |
| Pump 401 (psi) | | | | | <u> </u> | | ╂───── |
| | | | | | | f | |
| Sequestering Agent Level (inches) | | | | | | <u> </u> | 37.8 |
| Visual Inspection NDA | <u> </u> - | | · | | | <u> </u> | 57.0 |
| Visual Inspection TGA | | V | | | | | |
| Cleaned/Changed Bag Filter #1 | | | - | | | <u> </u> | |
| Cleaned/Changed Bag Filter #2 | | | | | | | |
| Cleaned Feed/ Discharge Tanks | | _ | | | | | |
| Performer Monthly/Quarterly Sampling | | | | | | — — — | |
| Fested Sump Pump Operation | | - | | | <u> </u> | <u> </u> | |
| Cleaned Sump and Drain | | ~ | | | | | |
| Any Alarms? | | | | | | | |
| Additional Tasks/ Notes: | | | | | | | - |
| ON: | | 4.5 - | | | | | <u> </u> |
| OFF: | | 4.0 - | | | | | |
| | | 7.0 - | | | | | |
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| Date | 4/29 | 9/30 | | | | | |
|--------------------------------------|-----------------------|-----------------|----------|---|---|---|-----------|
| Daily Influent Meter Reading (gal) | | | | | | 1 | |
| Total Influent since 1/1/2015 (gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 2600 | 3050 | | | ĺ | | |
| Total Effluent since 1/1/2015 (gal) | 877,231 | 3050 880,260 | | | | | |
| Building Inlet Gauge (gpm) | | | | | | | |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | _ | | | | |
| Feed Tank Pump (5 to 20 psi) | | | | | | | |
| Air Stripper Pressure (psi) | | | | | | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| | | | | | | | |
| Sequestering Agent Level (inches) | | | | | | | |
| Visual Inspection NDA | | | | | | | |
| Visual Inspection TGA | | | | | | | |
| Cleaned/Changed Bag Filter #1 | | | | | | | |
| Cleaned/Changed Bag Filter #2 | | | | | | | |
| Cleaned Feed/ Discharge Tanks | | | | - | | | _ |
| Performed Monthly/Quarterly Sampling | | | | | | | |
| Tested Sump Pump Operation | | | | | | | |
| Cleaned Sump and Drain | | | | | | | |
| Any Alarms? | | | | | | | |
| Additional Tasks/ Notes: | | | | | | | |
| ON: | <u>4.5 -</u> 4.4 - | | | | | | |
| OFF: | 4.0 - | | | | | | · · · · · |
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| Date | 10/1/15 | 10/2 | 10/3 | 10/4 | 10/5 | 10/0 | 10/7 |
|--------------------------------------|---------|---------------------------------------|----------|----------|----------|------------|---------|
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 3140 | 330 | 3150 | 2470 | 3220 | 2860 | 2590 |
| Total Effluent since 1/1/2015 (gal) | 883,373 | 886,661 | | 892,106 | | | 900,671 |
| Building Inlet Gauge (gpm) | , | | | | | <u> </u> | |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | | | |
| Feed Tank Pump (5 to 20 psi) | | | | | | | |
| Air Stripper Pressure (psi) | _ | | | | | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| | | | | | | | |
| Sequestering Agent Level (inches) | | | | | 37,C | | |
| Visual Inspection NDA | | _ | | | ~ | | |
| Visual Inspection TGA | | | | | ~ | | |
| Cleaned/Changed Bag Filter #1 | | | | | ~ | | |
| Cleaned/Changed Bag Filter #2 | | | | | ~ | | |
| Cleaned Feed/ Discharge Tanks | | | | | _ | | |
| Performed Monthly/Quarterly Sampling | | | | | ~ | | |
| Tested Sump Pump Operation | | | | | ~ | | |
| Cleaned Sump and Drain | | | | | ~ | | |
| Any Alarms? | | | | | | | |
| Additional Tasks/ Notes: | | | | <u> </u> | <u> </u> | | |
| ON: | 4.5 - | | | | | <i>i</i> | |
| OFF: | 4.0 - | | | | | | |
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| 10/8 | 10/9 | 10/10 | 10/H | 10/12 | 10/13 | 10/14 |
|-------------|-----------------|---------------------------------------|---|---|--|--|
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| | | | | 1 | | |
| 2870 | 3050 | 2930 | 2600 | 2970 | 3090 | 2870 |
| | 906,476 | | 1 | | 1 | 920,729 |
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| | | ** | <u> </u> | | | |
| | | | | | | |
| | 2870 903,5c4 | <u>4.5</u> | 4.5 1 1 1 1 1 | 2870 3050 2930 2600 903,504 906,476 909,360 911,930 1 1 1 1 <td>2870 3050 2930 2600 2970 903,544 906,476 909,360 911,930 914,877 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td>1 1 1 1 1 1 3050 2130 2600 2970 3090 903,524 906,476 909,360 911,930 914,877 917,971 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td> | 2870 3050 2930 2600 2970 903,544 906,476 909,360 911,930 914,877 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 3050 2130 2600 2970 3090 903,524 906,476 909,360 911,930 914,877 917,971 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |

| Date | 10/15 | 10/16 | 10/17 | 10/18 | 10/19 | 10/20 | pla1 |
|---------------------------------------|----------|----------|-----------|------------|------------|----------|---------|
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | | | | | | | · |
| Daily Effluent Meter Reading (gal) | 3/30 | 2520 | 2960 | 2990 | 316 | 2550 | 3130 |
| Total Effluent since 1/1/2015 (gal) | 423,838 | 926321 | | 932,137 | | 937,724 | 940,825 |
| Building Inlet Gauge (gpm) | 1, | | | | 1 10 12.12 | <u> </u> | |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | <u> </u> | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | | | |
| Feed Tank Pump (5 to 20 psi) | | | | - | | | |
| Air Stripper Pressure (psi) | | | | | | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | 0 | | |
| | | | | | | | |
| Sequestering Agent Level (inches) | 35.9 | | | | | | |
| Visual Inspection NDA | V | | | | ~ | | .= |
| Visual Inspection TGA | r | | | | ~ | | |
| Cleaned/Changed Bag Filter #1 | ^ | | | |) (| | |
| Cleaned/Changed Bag Filter #2 | ^ | | | | · · | | |
| Cleaned Feed/ Discharge Tanks | - | | | | | | |
| Performed Monthly/Quarterly Sampling | 1 | · | | | | | |
| Tested Sump Pump Operation | \sim | | | | / | | |
| Cleaned Sump and Drain | <u> </u> | | | | | | |
| Any Alarms? | ^ | | | | / | | |
| Additional Tasks/ Notes: | | | | | | | |
| ON: | 4.5 | | | | 4.5 | | |
| OFF: | 4.0 | - | | | 4,0 | | |
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| Date | 10/22 | 10/23 | 10/24 | 10/25 | 10/26 | 10/27 | 10/28 |
|---------------------------------------|--|---------|----------|----------|--------------|---------|-----------|
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 2440 | 304 | 2980 | 2650 | 2970 | 2640 | 5490 |
| Total Effluent since 1/1/2015 (gal) | 942 213 | 946,169 | 949.08.7 | 951,712 | 954.634 | 957216 | 962. HL |
| Building Inlet Gauge (gpm) | 57 E | | | | 4600 | 464 10 | |
| Lead Bag Filter Inlet/ Outlet (psi) | 8/6 | | | | 7/4 | 7/5 | |
| Lag Bag Filter Inlet/Outlet (psi) | 2/2 | | | | 61M | 0/1 | |
| Feed Tank Pump (5 to 20 psi) | 9 | | | | | 5 | |
| Air Stripper Pressure (psi) | | | | | | 16.5 | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| | | | | | | | |
| Sequestering Agent Level (inches) | 35.1 | | | | 34/1 | 34,7 | |
| Visual Inspection NDA | | | | | 1 M | | |
| Visual Inspection TGA | 1 | | | | 4 | V | |
| Cleaned/Changed Bag Filter #1 | _ | : | | <u>.</u> | | - | · |
| Cleaned/Changed Bag Filter #2 | | | | | | - | |
| Cleaned Feed/ Discharge Tanks | 2 | | | | 4 | - | |
| Performed Monthly Quarterly Sampling | Θ | | | | | _ | 5 |
| Tested Sump Pump Operation | | | | | - | - | · |
| Cleaned Sump and Drain | · · | | | | - | (| |
| Any Alarms? | - | | | | _/_ | (| |
| Additional Tasks/ Notes: | ······································ | | | 121 | | | |
| ON: | 4.5 | | | ······ | 4,5 | 45 | |
| OFF: | 40 | | <u></u> | | <u> </u> | 4.0 | |
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| Date | 10/29 | 10/30 | 10/31 | - | | | |
|--------------------------------------|----------------|---------|----------|---|-----------|----------|---|
| Daily Influent Meter Reading (gai) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | 6780 | 4550 | 3910 | | | | |
| Daily Effluent Meter Reading (gal) | <u>469,347</u> | 973,794 | 977,394 | | - | <u> </u> | † |
| Total Effluent since 1/1/2015 (gal) | 1 1 1 1 1 1 1 | | | | | <u> </u> | <u> </u> |
| Building Inlet Gauge (gpm) | | | | | <u> </u> | <u> </u> | |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | _ | - <u></u> | | <u> </u> |
| Feed Tank Pump (5 to 20 psi) | | | | | | <u> </u> | |
| Air Stripper Pressure (psi) | | | | | <u> </u> | · | |
| Pump 400 (psi) | | | | | | | <u> </u> |
| Pump 401 (psi) | | | | | <u> </u> | <u> </u> | <u> </u> |
| | | | | | <u> </u> | | · · · · |
| Sequestering Agent Level (inches) | | | | | | | |
| Visual Inspection NDA | | | | | <u> </u> | | |
| Visual Inspection TGA | | | | | † | | |
| Cleaned/Changed Bag Filter #1 | | | | | <u> </u> | | <u> </u> |
| Cleaned/Changed Bag Filter #2 | | | | | <u> </u> | | |
| Cleaned Feed/ Discharge Tanks | | | | | | | <u> </u> |
| Performed Monthly/Quarterly Sampling | | | | | | | |
| Tested Sump Pump Operation | | | | | | | |
| Cleaned Sump and Drain | | | | | | | |
| Any Alarms? | | | | | · [| | |
| Additional Tasks/ Notes: | <u> </u> | | <u>-</u> | | <u></u> | | <u>L. </u> |
| ON: | | | | | | | |
| OFF: | | | | | | | |
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|--------------------------------------|-----------------|----------|---------|---------|----------|---------|-----------------|
| Date | 11/1/15 | 11/2 | 4/3 | 11/4 | 11/5 | 11/6 | N <u>u[7</u> |
| Daily Influent Meter Reading (gal) | 8 | | | | | | |
| Total Influent since 1/1/2015 (gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 3500 | 3610 | 3110 | 3080 | 3270 | 3050 | 2980 |
| Total Effluent since 1/1/2015 (gal) | 980,856 | 984, 375 | 987,457 | 990,470 | 493,693 | 996.730 | 999,60 |
| Building Inlet Gauge (gpm) | | | | | | | <u> </u> |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | | | |
| Feed Tank Pump (5 to 20 psi) | | | | | | | |
| Air Stripper Pressure (psi) | | | | | | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| Sequestering Agent Level (inches) | | | | | | | |
| Visual Inspection NDA | | | | | ~ | | |
| Visual Inspection TGA | 1 | | | | r | | |
| Cleaned/Changed Bag Filter #1 | | | | | \sim | | |
| Cleaned/Changed Bag Filter #2 | | | | | - | | |
| Cleaned Feed/ Discharge Tanks | | | | | - | | |
| Performed Monthly/Quarterly Sampling | | | | | - | | |
| Tested Sump Pump Operation | | | | | <u> </u> | | |
| Cleaned Sump and Drain | | | | | <u> </u> | | 1 |
| Any Alarms? | | | | | - | | |
| Additional Tasks/ Notes: | | | | | | | |
| ON: | | | | | 4.5 | | |
| OFF: | | · | | | 40 | | |
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| 11/3/15 Samala | Monitar | ing Well | | | | | |
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| Date | 11/8 | 11/9 | 11/10 | 1/11 | 11/12 | 11/13 | 11/H |
|--------------------------------------|-----------|-----------|-----------|-------------------|-----------|-----------|-----------|
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 3210 | 2680 | 2620 | 305 | 3/10 | 316 | 2620 |
| Total Effluent since 1/1/2015 (gal) | 1,002,793 | 1,005,601 | 1,008,131 | 3050 1,011,132 | 1,014,155 | 1,017,08/ | 1,019,652 |
| Building Inlet Gauge (gpm) | | | | | | | • • |
| Lead Bag Filter Inlet/ Outlet (psi) | | | 1 | 0 | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | - FI | | | | |
| Feed Tank Pump (5 to 20 psi) | 2 | | | | | | |
| Air Stripper Pressure (psi) | | | | | | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| | | | | | | | |
| Sequestering Agent Level (inches) | | | | | | | |
| Visual Inspection NDA | | | | | - | | |
| Visual Inspection TGA | | | | | | | |
| Cleaned/Changed Bag Filter #1 | | | | | | | |
| Cleaned/Changed Bag Filter #2 | | | | | | 4 | |
| Cleaned Feed/ Discharge Tanks | | | | - | | | |
| Performed Monthly/Quarterly Sampling | | | | | - | | |
| Tested Sump Pump Operation | ş | | | | | | |
| Cleaned Sump and Drain | | | | | | | |
| Any Alarms? | | | ¥ | | | | |
| Additional Tasks/ Notes: | | | -/ | | <u></u> | | |
| ON: | 4.5 - | | | | | | |
| OFF: | 40 | | | | | | - 1 |
| 11/10/15 Diochan | ige Pump | 1 fail | | | | | |
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| Date | 11/15 | 11/16 | 11/17 | 11/18 | 11/19 | 11/20 | 1/21 |
|--------------------------------------|-------|-----------|-------|-------|-----------|-------|-----------|
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 2970 | 320 | 2960 | 2810 | 2770 | 3/20 | 2590 |
| Total Effluent since 1/1/2015 (gal) | | 1,025,640 | | | 1,034,071 | | 1.039.648 |
| Building Inlet Gauge (gpm) | | | | | | | 1,021,010 |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | | | |
| Feed Tank Pump (5 to 20 psi) | | | | | | | |
| Air Stripper Pressure (psi) | | | | | | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| | | | | | | | |
| Sequestering Agent Level (inches) | | 33.7 | | | | | |
| Visual Inspection NDA | | | | | | | |
| Visual Inspection TGA | | | | | | | |
| Cleaned/Changed Bag Filter #1 | | | | | | | |
| Cleaned/Changed Bag Filter #2 | | | | | | | · . |
| Cleaned Feed/ Discharge Tanks | | | | | | | |
| Performed Monthly/Quarterly Sampling | | | | | | | |
| Tested Sump Pump Operation | | | | | | | |
| Cleaned Sump and Drain | | | | | | | |
| Any Alarms? | | | | | | | |
| Additional Tasks/ Notes: | | | | | | | |
| ON: | | | | | | | |
| OFF: | | | | | | | |
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| Date | 11/22 | 11/23 | 11/24 | 11/25 | 11/20 | u/27 | 11/28 |
|---------------------------------------|----------|------------------|-----------------|-------------|----------|-----------|-------|
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 3/40 | 2540 | 2780 | ୵୫୦ | 2610 | 2990 | 2620 |
| Total Effluent since 1/1/2015 (gal) | 1.847.74 | 2540 1.043.74 | C(0.5D) | 1,050,883 | | 1,056,352 | |
| Building Inlet Gauge (gpm) | | | | 55 | | | , |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | 5/10 | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | 2/3 | | | |
| Feed Tank Pump (5 to 20 psi) | | | | 9 | | | |
| Air Stripper Pressure (psi) | | | | 17 | | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| | | | | | | | |
| Sequestering Agent Level (inches) | | | 33.3/6 | 7. 0 | | | |
| Visual Inspection NDA | | | | | | | |
| Visual Inspection TGA | | | \checkmark | | | | |
| Cleaned/Changed Bag Filter #1 | | | - | | | | |
| Cleaned/Changed Bag Filter #2 | | | - | | | | |
| Cleaned Feed/ Discharge Tanks | | | | | | | |
| Performed MonthlyQuarterly Sampling | | | (\mathcal{D}) | | | | |
| Tested Sump Pump Operation | | | <u> </u> | | | | |
| Cleaned Sump and Drain | | | - | | | | |
| Any Alarms? | | | <u> </u> | | | | |
| Additional Tasks/ Notes: | | | | | | | |
| ON: | | | 4,5 | | | | |
| OFF: | | | 4.0 | | | | |
| /24 Disasser | mbded / | (leaneel j | Reassen | rbled I | Discharg | lnmp#1 | (201) |
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| Date | 11/23 | 11/30 | | | | | |
|--------------------------------------|-----------|----------|-------|---|----------|----------|--|
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 2530 | 2860 | | | | | |
| Total Effluent since 1/1/2015 (gal) | | | | | <u> </u> | | |
| Building Inlet Gauge (gpm) | 1,061,425 | 55'alE | | | | | |
| Lead Bag Filter Inlet/ Outlet (psi) | | 9/5 | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | 3/2 | | | | | |
| Feed Tank Pump (5 to 20 psi) | | 9 | | | | | _ |
| Air Stripper Pressure (psi) | | 16 | | | 1 | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| | | | | 1 | | | |
| Sequestering Agent Level (inches) | | 61.5 | | | | <u> </u> | |
| Visual Inspection NDA | | 2 | | | | | |
| Visual Inspection TGA | | ~ | | | | | |
| Cleaned/Changed Bag Filter #1 | | (| | | | | |
| Cleaned/Changed Bag Filter #2 | | (| | | 1 | | |
| Cleaned Feed/ Discharge Tanks | | ^ | | | | | |
| Performed Monthly/Quarterly Sampling | |) | | | | | |
| Tested Sump Pump Operation | | - | | | | | |
| Cleaned Sump and Drain | | ` | · · · | | | | |
| Any Alarms? | | - | | | | | |
| Additional Tasks/ Notes: | | | | | | | ······································ |
| ON: | | 4.5 | | | | | |
| OFF: | | 40 | | | | | |
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| Date | 12/1/15 | 12/2 | 12/3 | 12/4 | 12/5 | 12/6 | 12/7 |
|--------------------------------------|-----------|---------------------------------------|---------|------|---------------------------------------|-------|-----------|
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | 2680 | 2785 | 3140 | 3410 | 2950 | 3090 | 2940 |
| Daily Effluent Meter Reading (gal) | 1,066,913 | 1,069,607 | | | 1,079,024 | | 1,084,964 |
| Total Effluent since 1/1/2015 (gal) | | | | | | | , , |
| Building Inlet Gauge (gpm) | | | | | | | |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | | | |
| Feed Tank Pump (5 to 20 psi) | | | | | | | |
| Air Stripper Pressure (psi) | | | | | | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| | | | | | | | |
| Sequestering Agent Level (inches) | 2 | | | | | | |
| Visual Inspection NDA | | | | | ĸ | | |
| Visual Inspection TGA | | | | | | | |
| Cleaned/Changed Bag Filter #1 | | | | | | | |
| Cleaned/Changed Bag Filter #2 | | | | | | | |
| Cleaned Feed/ Discharge Tanks | | | | | | | |
| Performed Monthly/Quarterly Sampling | | | | | | | |
| Tested Sump Pump Operation | | | | | | | |
| Cleaned Sump and Drain | | | | | | | |
| Any Alarms? | | | | | | | Ves |
| Additional Tasks/ Notes: | | | | | · · · · · · · · · · · · · · · · · · · | | |
| ON: | 4.5 | | | | | | |
| OFF: | 40 | · · · · · · · · · · · · · · · · · · · | | | | | |
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| 12/7 Alarm | AS B. | lowor # 2 | cleared | | | | |
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| | 12/9 | 12/10 | 12/11 | 12/2 | 12/3 | 12/14 |
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| 1.088.057 | 1,090,944 | 1,093.930 | 1.096.604 | Sam | e | |
| 3210 | 2970 | 3020 | 2730 | 0 | 0 | O |
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| 4,5 | | | 4.5 | | | |
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| al that 60 t. Shut | system i | lown w | nning li ntil we d | ut se fl could th | n was Ablesh | coming oct. |
| | 4.5 | 32/0 2970 | | $ \begin{array}{c} $ | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ |

| Date | 12/15 | 12/16 | 12/17 | 12/18 | 12/19 | 12/20 | 12/21 |
|--------------------------------------|------------|----------|-----------|------------|------------|-----------|-----------|
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | 1,096,604 | Same. | ~ | 1.109,261 | 1,113,246 | 1,113,246 | 1,118,324 |
| Daily Effluent Meter Reading (gal) | 0 | Ø | 0 | 12,760 | 4030 | 0 | 5170 |
| Total Effluent since 1/1/2015 (gal) | | | | | | | |
| Building Inlet Gauge (gpm) | | | | | | | |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | | | |
| Feed Tank Pump (5 to 20 psi) | | | | | | | |
| Air Stripper Pressure (psi) | | | | | | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| | | | | | | | |
| Sequestering Agent Level (inches) | | | | | | | |
| Visual Inspection NDA | | | | | | | |
| Visual Inspection TGA | | | | | | | |
| Cleaned/Changed Bag Filter #1 | | | | | | | |
| Cleaned/Changed Bag Filter #2 | | | | | | | |
| Cleaned Feed/ Discharge Tanks | | | | | | | |
| Performed Monthly/Quarterly Sampling | | | | | | : | V |
| Tested Sump Pump Operation | | | | | | | |
| Cleaned Sump and Drain | | | | | | | |
| Any Alarms? | | | | | | | |
| Additional Tasks/ Notes: | | | | | | | |
| ON | | | | 4.5 | | | |
| OFF | | | | 4.0 | | | |
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| 12/15 DAY +DE | o use tri | od assi | mbles to | retriève a | umps br | em &W | trench. |
| Discover the | at litting | las disc | charge ha | se las ou | mo#1 | make all | hono is |
| 12/18 Tomp lin. | Casen a | disch | não hase: | 4 to en | able se | ration a | honce so |
| plant. Rei | turm Pam | s#2 to | Ful tren | ch + sesum | re operati | iono | 0 |
| 12/19-12/21 Plant o | serating 0 | Kuntil | Blower & | ad alar | n on 12/ | 13. Tron | ibleshoot |
| on 12/21 | - adjaist | sressur | e switch | by tur | ning scr | ero all | the way |
| in | counteri | lockur | ise Cleft |) estin | | - 1/2 tu | in he |
| | final post | | - 1- | , | ,, | | ,,, |
| · · · | | | 0 | | | | |
| 12/21 M | onthly eff | fluent s | ample | | | | |
| | 0 00 | | - | | | | show |

5 yr

| Date | 12/22/15 | 12/23 | 12/24 | 12/25 | 12/6 | 12/27 | 12/28 |
|--|------------|-----------|-----------|-----------|-----------|----------|-------------------|
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | 100000 | | | | | | |
| Daily Effluent Meter Reading (gal) | 4930 | 3180 | 3440 | 3310 | 2990 | 5150 | 44cc |
| Total Effluent since 1/1/2015 (gal) | 1, 123,213 | 1,126,355 | 1,129,711 | 1,132,990 | 1,135,899 | 6140.926 | 44cc 1,145,236 |
| Building Inlet Gauge (gpm) | | . , | | | | | |
| Lead Bag Filter Inlet/ Outlet (psi) | | | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | | | | | | |
| Feed Tank Pump (5 to 20 psi) | | | | | | | |
| Air Stripper Pressure (psi) | | | | | | | |
| Pump 400 (psi) | | | | | | | |
| Pump 401 (psi) | | | | | | | |
| | | | | ļ | | | |
| Sequestering Agent Level (inches) | | | | | | | |
| Visual Inspection NDA | | | | | | | |
| Visual Inspection TGA | | | | | | | |
| Cleaned/Changed Bag Filter #1 | | | | | | | |
| Cleaned/Changed Bag Filter #2 | | | | | | | |
| Cleaned Feed/ Discharge Tanks | | | | | | | |
| Performed Monthly/Quarterly Sampling | | | | | | | |
| Tested Sump Pump Operation | | | | | | | |
| Cleaned Sump and Drain | | | | | | | |
| Any Alarms? | | | | | | | |
| Additional Tasks/ Notes: | | | | | | | |
| ON: | | | | | | | |
| OFF: | 2//32 | | | | | | |
| - | | | | | | | |
| | | | | | | | |
| a an | | | | | | | |
| des. | | | | | | | |
| | _ | | | | | | |
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| ч. | | | | | | | |

| Date | 12/29 | 12/30 | 12/3/10 | | | | |
|--|-----------|--------------------|-------------|---------|-----------|------------|--------|
| Daily Influent Meter Reading (gal) | | | | | | | |
| Total Influent since 1/1/2015 (gal) | | | | | | | |
| Daily Effluent Meter Reading (gal) | 5960 | 8350 | 4070 | | | | |
| Total Effluent since 1/1/2015 (gal) | 1,151,087 | 1,159.32 | | | | | |
| Building Inlet Gauge (gpm) | / / | 1,159,32 52 (2) | , , , , , , | : | | | |
| Lead Bag Filter Inlet/ Outlet (psi) | | 915 | | | | | |
| Lag Bag Filter Inlet/Outlet (psi) | | 2/2 | | | | | |
| Feed Tank Pump (5 to 20 psi) | | 9 | | | | | |
| Air Stripper Pressure (psi) | | 16 | | | | | |
| Pump 400 (psi) | | • | | | | | |
| Pump 401 (psi) | | | | | | | |
| | | | | | | | |
| Sequestering Agent Level (inches) | | 57.8 | 57.6 | | | | |
| Visual Inspection NDA | | | V | | | | |
| Visual Inspection TGA | | V | r | | | | |
| Cleaned/Changed Bag Filter #1 | | - | | | | | |
| Cleaned/Changed Bag Filter #2 | | - | | | | | |
| Cleaned Feed/ Discharge Tanks | | - | ~ | | | | |
| Performed Monthly/ Quarterly Sampling | | - | ~ | | | | |
| Tested Sump Pump Operation | | ~ | - | | | | |
| Cleaned Sump and Drain | | ~ | _ | | | | |
| Any Alarms? | <u> </u> | - | - | | | | |
| Additional Tasks/ Notes: | | | | | | | |
| ON: | | 4,5 | 4,5 | | | | |
| OFF: | | 4.0 | 4.0 | | | | |
| 12/3a Complete | slumli | ng repair | | Purmo I | at fill a | collection | trench |
| 12/3a Complete + reinsta Pump 2 is a | ll. | Runnin | WOK. F | mp 1 h | sold-on | iginal si | ump. |
| Pump 2 is a | new Lal | herty sund | 5 instal | lad lig | DAY | V ' | / |
| / | | // / | | V | | | |
| | | | | | | | |
| | | | | | | | |

APPENDIX E

IC/EC CERTIFICATION



Enclosure 2 NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION Site Management Periodic Review Report Notice Institutional and Engineering Controls Certification Form



| Site No. 828015 | Site Details | В | ox 1 | |
|---|---|----------------------|------|---------|
| Site Name Rochester Fire Academy | | | | |
| Site Address: 1190 Scottsville Road City/Town: Rochester County: Monroe Site Acreage: 11.0 | Zip Code: 14624 | | | |
| Reporting Period: December 31, 2014 to | December 31, 2015 | | | |
| | | Y | ES | NO |
| 1. Is the information above correct? | × | X |] | |
| If NO, include handwritten above or c | on a separàte sheet. | | | |
| Has some or all of the site property b tax map amendment during this Report | | ⊠ ndergone a □ |] | 凶 |
| Has there been any change of use at (see 6NYCRR 375-1.11(d))? | the site during this Reporting Perio | od 🗆 |) | 凶 |
| Have any federal, state, and/or local for or at the property during this Report | | been issued □ | | ۵. ۲ |
| If you answered YES to questions that documentation has been prev | | | | |
| 5. Is the site currently undergoing devel | opment? | | I | 凶 |
| | | В | ox 2 | |
| | | Y | ES | NO |
| Is the current site use consistent with Closed Landfill | the use(s) listed below? | X | | |
| 7. Are all ICs/ECs in place and function | ng as designed? | X | | |
| | JESTION 6 OR 7 IS NO, sign and da EST OF THIS FORM. Otherwise o be submitted along with this form t | continue. | ues. | |
| Mart | | 5-9-16 | | |
| Signature of Owner, Remedial Party or Des | ignated Representative | Date | - | |

| SITE NO. 828015 | | | Box 3 |
|---|--|---|---|
| Description of Ins | stitutional Controls | | |
| Parcel 135.180-0001-001.000 | <u>Owner</u> City of Rochester | Institutional Control Landuse Restrictior Monitoring Plan O&M Plan | |
| 1998-03 approved OM&M p Deed restriction filed March remedial system. | an to monitor pump and treat s 1998 which required the City of | ystem and insure cap and fencing Rochester (or successors and as | are maintained. signs) to maintain the |
| Description of Er | igineering Controls | | Box 4 |
| <u>Parcel</u> 135.180-0001-001.000 | Engineering Co Groundwater Tr Fencing/Access Cover System | eatment System | |
| Training Asphalt cover over statistized Cap over the North Disposa Groundwater pump and tree Monitoring wells | al Area | | |
| | | | |

Training Grounds Area

| | 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 certificatior are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete. | ו |
| | YES NO | |
| | | |
| 2. | If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutiona or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true: | I |
| | (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged sinc the date that the Control was put in-place, or was last approved by the Department; | æ |
| | (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment; $	imes$ | |
| | (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 | |
| | | |
| | IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue. | |
| | A Corrective Measures Work Plan must be submitted along with this form to address these issues. | |
| | Signature of Owner, Remedial Party or Designated Representative Date | |
| | V | |

×

| | IC CERTIFICATIONS SITE NO. 828015 | | |
|-----|---|---------------------------|--|
| | ж. С. | Box 6 | |
| | SITE OWNER OR DESIGNATED REPRESENTATIVE SIG I certify that all information and statements in Boxes 1,2, and 3 are true. I un statement made herein is punishable as a Class "A" misdemeanor, pursuan Penal Law. | nderstand that a false | |
| | Mark Gregorat | chester, NY 14614, | |
| | print name print business address | | |
| | am certifying as <u>Manager, City of Rochester, Division of Environmental Quality</u> | _(Owner or Remedial Party | |
| e 9 | for the Site named in the Site Details Section of this form. Manual Signature of Owner, Remedial Party, or Designated Representative Rendering Certification | <u>5-9-16</u> Date | |

| IC/EC CERTIFICATIONS | | | |
|--|---|--|--|
| Profession | al Engineer Signature | | |
| l 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. | | | |
| Barton F. Kline Day Environmental, Inc., 1563 Lyell Ave, Rochester, NY 14606 | | | |
| Barton F. Kline at Day | at Day Environmental, Inc., 1563 Lyell Ave, Rochester, NY 14606 | | |
| print name | print business address City of Rochester, New York | | |
| am certifying as a Professional Engineer for the β . β . κ | City of Rochester, New York (Owner or Remedial Party) | | |
| Signature of Professional Engineer, for the Owr Remedial Party, Rendering Certification | ner or Stamp Date (Required for PE) | | |

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