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SOIL AND GROUNDWATER MANAGEMENT PLAN

760 Brooks Ave., Rochester, NY
NYSDEC Spill #9301027

To inform those involved with future business dealings at 760 Brooks Avenue in Rochester, New York (Site) and in accordance with a request from the New York State Department of Environmental Conservation (NYSDEC, Region 8 Office), Matrix Environmental Technologies Inc. (METI), on behalf of Sunoco, Inc. (Sunoco) and Superior Plus Energy Services (Superior), has prepared the following Soil and Groundwater Management Plan (SGMP). The SGMP outlines actions to be taken by the current or future property owner(s), should petroleum vapors, petroleum sheen or staining, and/or volatile organic or semi volatile organic compounds (VOCs & SVOCs) in soil and groundwater be encountered during intrusive activities (at the Site).

PURPOSE:

Although natural attenuation has reduced soil and overburden groundwater petroleum contaminant concentrations at the Site, some impacts remain at concentrations that exceed NYSDEC soil guidance values and groundwater standards. As such, this SGMP has been prepared for the purpose of communicating soil and groundwater conditions to those who may perform subsurface activities at the Site in the future. It should be noted that soil and groundwater contaminant concentrations may be at higher or lower levels in the future (i.e. dependent on additional activities and/or continued natural attenuation of the petroleum compounds). The information presented in this SGMP is intended as an environmental data baseline that can be used in conjunction with future site activities where necessary.

DISCOVERY OF IMPACTS:

Evidence of hydrocarbon impacts in Site soil and groundwater may include one or more of the following:

- a petroleum odor emanating soil or groundwater and/or;
- a petroleum sheen or staining (typically black in color).

Such impacts are to be determined by a qualified environmental professional in the field using a VOC monitor and verified by a certified laboratory using appropriate EPA-approved testing methods; typically EPA Method 8260 for VOC-impacted media and EPA Method 8270 for SVOC impacted media.

CONTACT INFORMATION:

In the event that petroleum impacts to either soil or groundwater are discovered on the 760 Brooks Avenue property, please contact the following:

- NYSDEC Spills Hotline.....1-800-457-7362
  The NYSDEC must be contacted within 2 hours of discovery of impacts.

- Sunoco, Inc.....1-315-466-6215

- Superior Plus Energy Services. 1-585-328-3930

REGULATORY GUIDANCE FOR IMPACTED SOIL AND GROUNDWATER:

In the event that petroleum impacts to either soil or groundwater are discovered on the 760 Brooks Ave. property, Sunoco and/or Superior may perform any necessary remediation in accordance with NYSDEC Commissioner's Policy CP-51: Soil Cleanup Guidance. If impacts are encountered, adhere to the following guidelines for the proper handling and treatment of materials:

Material Handling and Treatment:

Soil **-** In the event that petroleum-impacted soil is encountered at the Site, work should be suspended immediately and the NYSDEC, Sunoco, and Superior should be contacted using the telephone numbers referenced above. **NO IMPACTED SOIL IS TO BE REMOVED FROM THE SITE.** Petroleum-impacted material that has been removed from the ground should be placed on plastic and covered with plastic. Do not backfill the excavation until authorization has been granted by the NYSDEC. Once approved, excavated impacted soil can be disposed at an approved landfill.

Groundwater **–** In the event that impacted groundwater is encountered at the Site, work should be suspended immediately and the NYSDEC, Sunoco, and Superior should be contacted using the telephone numbers referenced above. **DO NOT ATTEMPT TO PUMP IMPACTED WATER FROM AN EXCAVATION.** Petroleum-impacted groundwater must be properly treated using an approved remedial technology (i.e. carbon filtration, air stripping, etc.) prior to discharge. Authorization from the NYSDEC or local municipality must be obtained prior to discharging the treated groundwater.

Post-remedial Sampling:

Once petroleum-impacted soil and/or groundwater have been remediated, soil and groundwater samples should be obtained and submitted for laboratory analysis to confirm that no impacted soil and/or groundwater remains. **Soil and groundwater samples should be obtained by a qualified professional.** Samples should be submitted for laboratory analysis using EPA Methods 8260 and 8270, which quantifies VOC and SVOC concentrations, respectively (NYSDEC CP-51 Tables 2 and 3, VOCs and SVOCs only).

Health and Safety:

An appropriate, site-specific Health and Safety Plan (HASP) should be developed to protect worker safety for any excavation and/or dewatering activities conducted on the Site. The HASP should be compliant with the Occupational Safety and Health Administration (OSHA) guidance as outlined in 29 CFR 1910.120 (OSHA Hazardous Waste Operations and Emergency Response Standard) for worker safety at hazardous sites. The responsibility for the HASP exists with the parties conducting the work.

DISTRIBUTION LIST:

Copies of this SGMP will be distributed to the following:

- The NYSDEC Region 8 Office, Avon, NY
- Sunoco, Inc. (R&M), Philadelphia, PA
- Superior Plus Energy Services, Rochester, NY
- The New York State Department of Health (NYSDOH), Rochester, NY
- The New York State Department of Transportation (NYSDOT), Region 4, Rochester, NY
- Property Owner, 760 Brooks Avenue (Saunders Management)
- Division of Environmental Quality, City of Rochester, NY
- Code Inspection and Enforcement, City of Rochester, NY

ATTACHMENTS:

Remedial Action Plan, Matrix Environmental Technologies Inc., February 10, 2011

Subsurface Investigation Report, Matrix Environmental Technologies Inc., October 30, 2012

Semi-Annual 2015 Site Status Report (January-June 2015), Matrix Environmental Technologies Inc., July 16, 2015

REMEDIAL ACTION PLAN

MATRIX ENVIRONMENTAL TECHNOLOGIES INC.

FEBRUARY 10, 2011

February 10, 2011

MATRIX
Environmental Technologies Inc.
3730 California Road
P.O. Box 427
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Mrs. Kinyorda D. Sliwiak
Sunoco, Inc. (R&M)
1109 Milton Avenue
Syracuse, NY 13204

RE: Remedial Action Plan
Former Bulk Petroleum Terminal
760 Brooks Avenue
Rochester, New York
DUNS #0090-5828
NYSDEC Spill#00-05282
Matrix Project #05-033

Mrs. Sliwiak:

Per your authorization, Matrix Environmental Technologies Inc. (METI) has developed a Remedial Action Plan (RAP) for the site referenced above. The RAP was developed based on historical site data, and information summarized in the *Site Characterization & Data Evaluation*, dated June 15, 2010. Based on our review of the historic site data, impacted soil was identified as the medium of concern, and therefore, this RAP focuses on remediating impacts in soil from volatile organic compounds (VOCs). The source of the impacts in soil appears to be related to the former operation of the site as a bulk petroleum facility.

Site Data Summary

Since May 2008, a total of 70 soil borings have been completed at the site and have resulted in the analysis of 77 soil samples for VOC and semi-volatile organic compounds (SVOC) analysis via EPA Methods 8260 (STARS[1] list) and 8270 (STARS list), respectively. The analytical testing results were compared to New York State Department of Environmental Conservation (NYSDEC) CP-51 / Soil Cleanup Guidance (SCG) values (CP-51 replaced STARS list 1/1/2011). Twenty-one of the 77 soil samples contained VOCs in exceedence of their respective SCG value as shown on Table 1.

The highest VOC concentration was detected in the soil sample collected from B-2 (14'-15'), located in the northwestern portion of the Site, at a total VOC concentration of 638,730 parts per billion (ppb). Based on our review of the analytical data, in general, four areas of petroleum impacted soil have been identified with VOC concentrations exceeding the SCG (Figure 1). These areas are:

- Area 1 – the largest area was identified along the northern and western portions of the property at depths ranging from approximately 12 to 20 feet bgs, as shown on

[1] NYSDEC Spills Technology and Remediation Series (STARS), Petroleum Contaminated Soil Guidance Policy Memo #1, Revised August 1992

Figure 1. Field screening of soils using an organic vapor meter (OVM) suggests soils above 12 feet bgs consisted generally of non-impacted fill material. Historic review indicated the fill material was likely brought to the site subsequent to petroleum operations.

- Area 2 – Northeastern area – soil depths generally ranging from 10 to 16 feet bgs;
- Area 3 – Area north of existing building, located under existing paved parking lot – soil depths generally ranging from 8 to 16 feet bgs;
- Area 4 – Area west of existing building, located under existing paved parking lot, with soil depths raging from 7 to 18 feet bgs.

Several SVOCs were detected in soil samples selected, however at concentrations below their respective SCGs. Only one SVOC (naphthalene) was detected from boring B-8 (16.5' to 17.5') at a concentration of 17,100 ppb, which exceeds its respective SCG of 12,000 ppb as shown on Table 2. Based on the results of the SVOC analytical testing results, further work to address the SVOCs is not needed.

Soil geophysical analytical results obtained from identified impact zone depths within Area 1 indicate hydraulic conductivity (k) values ranging from $1.5x10^{-5}$ to $4.1x10^{-7}$ cm/s in the native silt and clay soils. This data is consistent with the results of slug testing completed in wells screened in the overburden, which had k values ranging between $4.6x10^{-5}$ to $6.9x10^{-6}$ cm/s. The k values indicate that groundwater flow and recharge is occurring predominately through soils of poor permeability (Appendix A).

Results of a groundwater elevation gauging event completed in April 2010 indicate that shallow groundwater flow is to the north-northwest in the overburden and to the northwest in both the shallow and deep bedrock aquifers. The hydraulic gradients are moderate in each water-bearing zone. The vertical gradients are downward from overburden to shallow bedrock and from shallow bedrock to deep bedrock. Light non-aqueous phase liquid (LNAPL) thicknesses of 0.10 and 2.48 feet were detected in shallow bedrock wells MW-3SB and MW-5SB, and of 0.03 feet in deep bedrock well MW-3DB. The source of the LNAPL is currently not known, but appears to be unrelated to the petroleum impacts detected in soil based on the following;

- LNAPL impacts are located hydraulically upgradient of soil impacts; MW-3SB is located on the up-gradient portion of the Site, along the southeastern property limit;
- Shallow and deep bedrock wells nearer the soil areas are free of LNAPL impacts;
- Low permeable silt and clay soil overlying bedrock appears to limit the vertical migration of petroleum impacts from overburden to bedrock.

A total of 25 groundwater samples were submitted for VOC and SVOC analysis from the three aquifer systems. Nine (9) samples; two overburden VOC, two shallow bedrock VOC, two shallow bedrock SVOC, two deep bedrock VOC, and one deep bedrock SVOC contained at least one compound above NYSDEC groundwater standards. VOC impacts were greatest in the sample obtained from shallow bedrock well MW3-SB (1,573 µg/L)

and SVOC concentrations were greatest in MW-3SB and totaled 7,083 µg/L. MW3-SB is located at the southeastern corner of the site, in an estimated up-gradient direction.

VOC and SVOC impacts were generally non-detect in the samples obtained from the overburden wells (Table 4 and Table 5). Additional samples from select overburden wells were obtained and submitted for iron, sulfate, nitrate, and bacteria count analysis. The results of the geochemical analysis and the low-level or non-existent dissolved-phase hydrocarbon impacts identified in these wells suggest that natural attenuation has already occurred.

Soil vapor sampling was completed by GZA Geo Environmental of New York (GZA) on May 13, 2010. A total of three soil vapor samples and one ambient outdoor air sample were obtained and submitted for laboratory VOC analysis using EPA Method TO-15. Soil vapor samples were collected from near boring B-2 (highest soil VOC concentration – not due to presumed hydraulically upgradient location as indicated in the GZA Summary Report), and borings B-7 and EGS-3 (within the proposed building footprint). The ambient outdoor sample was collected upwind (south) of the soil vapor samples.

New York State does not have regulatory standards for soil vapor VOC concentrations; therefore analytical results identified four compounds between the three samples at levels above the 90th percentile values as presented in the New York State Department of Health (NYSDOH) Guidance Manual Table 2. Acetone was identified in all three samples at levels of 7 to 27 times the 90th percentile value. However, acetone is frequently used to clean laboratory equipment and for an industrial cleanser. Refer to the attached quality assurance/quality control analysis for the sample batch from Centek Laboratories which identifies Acetone in the blank sample. Refer to Appendix B for a copy of the Air Sampling Services Report (GZA, June 7, 2010).

Based on the air sampling results, GZA concluded that there is a potential for subsurface soil vapor to migrate and accumulate beneath the proposed building footprint. Therefore, a mitigation strategy was recommended, such as placement of a vapor barrier beneath the building slab during construction.

REMEDIAL ACTION PLAN

Evaluation

Based on the NYSDEC CP-51 Soil Cleanup Guidance, Section V, Part B.5; Petroleum Spill Response Program "*The remedial party shall achieve, to the extent feasible, the unrestricted soil cleanup objective (SCO) for petroleum-related contaminants listed in 6 NYCRR Table 375-6.8(a)*" (similar to CP-51 SCGs). Further "*Where DEC determines it is not feasible to achieve the soil cleanup levels as set forth in this paragraph, the remedial party may propose soil cleanup levels in accordance with any of the general approaches* (within CP-51). *However, when considering restricted use soil cleanup levels, the remedial party should apply the least restrictive use category.*"

In order to complete remedial efforts to obtain the Part 375 Unrestricted Use Soil Cleanup Objectives (Unrestricted SCOs) or CP-51 SCGs for the subject property, an estimated volume of 43,000-tons of soil would require to be excavated in order to access the impacted soil, generally encountered 8 to 14 feet bgs and extending to approximately 20 feet bgs. In order to remove compounds that exceed their respective SCGs approximately 13,000 tons to 25,000 tons of soil may require off-site disposal. These areas are generally represented in Areas 1 to 4, as shown on Figure 1, but also include limited additional single boring location points.

As impacted soils were generally not identified at the site until depths of at least 8 feet bgs, the site is currently zoned as manufacturing/industrial, the proposed usage is commercial, and the significant costs associated with the removal of deep soils, METI considered the use of Restricted Use Soil Cleanup Objectives under 6 NYCRR Table 375-6.8(b) as an alternative remedial approach. METI considered several factors, including the land use (zoning), the protection of groundwater, and ecological resources per CP-51 Section V., Part A – Approach 2, to determine the usefulness of the restricted use SCOs for the site. The results of the evaluation are as follows:

Land Use

Information obtained from the City of Rochester, New York, Online Geographic Information System (GIS) web site (http://www.cityofrochester.gov/GIS/) does not specify a zone for 760 Brooks or 764 Brooks Avenue, the adjoining parcel to the north. Neighboring properties to the north, south, and east are zoned M-1, industrial/manufacturing. The subject property and 764 Brooks Ave are within the M-1 boundary, and it is assumed that the subject property and 764 Brooks Avenue are zoned for industrial/manufacturing use (Appendix C). METI also contacted the City of Rochester Zoning Department and confirmed 760 Brooks and 764 Brooks are zoned as M-1, manufacturing. Further, a hotel is planned to be built on the subject property and 764 Brooks Avenue, which could be considered commercial usage.

Protection of Groundwater

Based on the results of soil geophysical analysis, aquifer slug testing, groundwater geochemical analysis, and overburden groundwater sample VOC and SVOC analytical results, it appears that the VOCs present within the overburden soil samples are not leaching from soil into overburden groundwater and therefore have not significantly impacted the overburden groundwater. Furthermore, METI also considered the following.

- The site and the surrounding area are serviced by municipal water supply, provided by the City of Rochester;
- VOCs in soil have not affected overburden groundwater; and
- The results of the geochemical analysis and the low-level or non-existent dissolved-phase hydrocarbon impacts identified in these wells suggest that natural attenuation has already occurred, and groundwater quality will improve over time.

As indicated above, LNAPL was found in bedrock wells, which appears to be unrelated to the overburden VOC contamination. Additionally, the LNAPL was found in the up-gradient well (MW3-SB), located at the southeast corner of the site. Further investigation and evaluation may be needed to identify the source of the LNAPL in the bedrock wells.

Ecological Resources

Data obtained from soil borings and overburden groundwater monitoring wells located along the western property boundary did not identify VOC or SVOC concentrations above NYSDEC guidance values, which indicates that on-site impacts are not migrating to the west toward the Erie Canal (zoned as open space). These considered, ecological resources are not affected by the overburden impacts identified on the site (as specified in NYSDEC DER-10 Section 3.10).

Conclusion

Based on the above evaluation, proposed usage of the property as a hotel, and the current zoning of the site as M-1 (industrial/manufacturing), an alternative remedial approach is to utilize the Restrictive Use Soil Cleanup Objectives, with the applicable land use category for the protection of public health being commercial for the site. A comparison of the detected soil concentrations to the Part 375-6.8(b) restricted commercial values (Commercial SCOs) does not identify compounds in exceedence of the guidance values, and therefore, no further work would be required to address the VOC overburden soil impact.

However, as listed in CP-51, when considering restricted use soil cleanup objectives, the least restrictive use category should be applied. Therefore, METI has considered the use of the residential use category (Residential SCOs), which is the least restrictive use category provided. The use of Residential SCOs would therefore require the limited removal of overburden soil. A comparison of the soil analytical data to the Residential and Commercial SCOs is provided in Table 3.

Of the 21 soil samples that contained a VOC in exceedence of CP-51 SCGs (or Unrestricted Use SCOs), only four (4) soil samples are shown to exceed Residential SCOs. No sample contained VOC concentrations above the Commercial SCOs. Samples that exceeded the Residential SCOs were B-2 (14'-15'), EGS-32 (14'-16'), and GP-2 (12'-16') located along the northern portion of the property, and B-8 (16.5'-17.5') located along near the western property boundary. With the exception of B-2 sample, only one VOC, 1,2,4-trimethylbenezene exceeded its respective Residential SCO in the three remaining samples (B-8, EGS-32 and GP-2). The location of these samples is within the interpolated 100,000 ppb (cumulative VOC concentration) contour interval depicted on Figure 1.

Remedial Action

Based on comparison of VOC soil concentrations to Restricted Commercial SCOs, no further work would be needed to address the VOCs identified in the site soil.

However, to address impacted soil which exceeds the Residential SCOs, the proposed remedial action to address the VOC impacted soil at depth of greater than 12 to 14 feet bgs is soil excavation and landfill disposal. CP-51 policy also identifies that soil cleanup levels generally do not need to be achieved to more than 15 feet below ground surface. As the impacted area within the site is generally identified at 12 to 14 feet deep in exceedence of Residential SCOs, but below Commercial SCOs, limited, if any excavation may be required.

As a conservative approach, in order to achieve the Residential SCOs and provide reduce the current property owner's concerns, soil from approximately 12 feet to 20 feet below ground surface within the interpolated 100,000 ppb contour interval presented on Figure 1 will be excavated. Two separate areas of soil impacts above 100,000 ppb are present and cumulatively measure approximately 4,500 ft^2. Assuming a total excavation depth of 20 feet bgs, the total soil volume measures 3,400 yd^3, of which 1,300 yd^3 (2,000 tons) would be transported for landfill disposal (Figure 2). Soil within the excavation areas that does not exhibit impacts (assumed from grade to approximately 12 feet bgs) will be segregated and staged on-site for later use as backfill.

Impacted soil will be loaded into tandem axel trucks and transported to an approved landfill for disposal. Periodically during the excavation, soil from the excavation walls and floors will be inspected for evidence of petroleum impact, screened for VOCs using an organic vapor meter (OVM), and submitted for laboratory VOC analysis. Once the extents of the excavation have been reached as proposed in Figure 2, or modified based on a review of soil analytical results, composite soil samples will be collected from the excavation walls and floors (in accordance with sampling guidelines provided in DER-10) to document remaining impacts. Soil samples will be submitted for laboratory analysis for volatile aromatic hydrocarbons using EPA Method 8260 (STARS list). The completed excavation will be backfilled to grade with a combination of the non-impacted staged soil and clean backfill.

The results of the soil vapor sampling identified acetone and benzene in soil vapor above EPA comparative values. Contaminant concentrations were identified in two locations within the footprint of the proposed building that is outside of the proposed excavation area. As such, a sub-slab vapor control system was recommended to be installed under the proposed footprint of the building during construction. METI recommends that a vapor barrier and/or sub slab depressurization system be installed during building construction. Additionally, as remedial efforts will not address all impacted soil present at the Site, as part of the site remediation activities, METI recommends a Soil and Groundwater Management Plan (SGMP) be developed to address soil that is uncovered during site construction activities, such as foundation or utility construction.

The work will be performed in accordance with all New York State Department of Environmental Conservation (NYSDEC) specifications applicable to this project.

If you have any questions, please contact me.

Sincerely,
Matrix Environmental Technologies Inc.

D. Robert Gill, C.P.G.
Project Manager

Michele M. Wittman, P.G.
Senior Project Manager

Enclosure

cc: Mrs. Rhonda Giovannitti – Sunoco, Inc. (R&M)
Mr. Kevin Dunleavy, Legal Council – Sunoco, Inc. (R&M)

FIGURES

Figure 1

SOIL BORING LOCATIONS AND CONTAMINANT CONCENTRATIONS

FORMER TERMINAL
760 BROOKS AVENUE
ROCHESTER, NY
prepared for
SUNOCO, INC. (R&M)
SYRACUSE, NY

APPROXIMATE SCALE
1" = 50'

0 50

DRAWN BY	Empire	
CHECKED BY		
APPROVED BY		
REVISED	D. R. GILL	2/7/11

PROJECT NUMBER 05-033

NOTES:
1. Basemap created provided by Empire Geoscience.
2. All locations shown are approximate.
3. Utilities and property lines shown are approximate.
4. Any utilities and/or property lines shown must be field verified.
5. This map should not be used for utility and/or property boundary purposes.
6. This map scaled to fit 11x17 paper.

LEGEND

- ● – Soil Boring
- SB103 (7'-9') – Soil Boring Identification Number and Sample Depth Interval
- 9,332 – VOC Concentration by EPA Method 8260 STARS (µg/kg)
- 9 – MTBE Concentration (µg/kg)
- 690 – SVOC Concentration by EPA Method 8270 STARS (µg/kg)
- MW1 ⊕ – Groundwater Monitoring Well and Identification Number
- ND – Compound Not Detected

Red Contour = 10,000 µg/kg total VOC threshold
Green Contour = 50,000 µg/kg total VOC threshold
Blue Contour = 100,000 µg/kg total VOC threshold
Black Contour = 500,000 µg/kg total VOC threshold

AREA 1
AREA 2
AREA 3
AREA 4
Adjacent Property
soil Pile
Soil Pile
TOPSOIL BERM
Chain Link Fence
Existing Gateposts
Existing Fence to Remain
STATE BARGE
PROPOSED RED ROOF INN HOTEL
PENN RAILROAD
Asphalt Drive to Remain
Residential
Ch. Lk. Fence
Wood Fence
Existing Edge of Pavement
Asphalt Parking Lot
One Story Portion of Masonry Building
One Story Masonry Building
760
Two Story Portion of Masonry Building 760 Brooks Ave.
720
Heat. oil UST for #760
Nat. Gas main ends here.
Concrete Walk
Asphalt Walk
Conc. Walk
Cnc. Walk
Conc. Curb
Existing Conc. Curb
Brooks Avenue

MATRIX Environmental Technologies

Figure 2

PROPOSED EXCAVATION PLAN

FORMER TERMINAL
760 BROOKS AVENUE
ROCHESTER, NY
prepared for
SUNOCO, INC. (R&M)
SYRACUSE, NY

APPROXIMATE SCALE 1" = 50'		0 — 50
DRAWN BY	Empire	
CHECKED BY		
APPROVED BY		
REVISED	D. R. GILL	2/7/11
PROJECT NUMBER	05-033	

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- MW1 ⊕ – Groundwater Monitoring Well and Identification Number
- ND – Compound Not Detected

Blue Contour = 100,000 µg/kg total VOC threshold

– Proposed Excavation Area

Adjacent Property
soil Pile
soil Pile
TOPSOIL BERM
Existing Gateposts
Existing Fence to Remain
Chain Link Fence
STATE BARGE
Ch. Lk. Fence
Wood Fence
Residential
Ch. Lk. Fence
Wood Fence
PENN RAILROAD
Asphalt Drive to Remain
PROPOSED RED ROOF INN HOTEL
Existing Edge of Pavement
Existing Edge of Pavement
Asphalt Parking Lot
Asphalt Parking Lot
Existing Concr. Curb
Conc. Walk
One Story Portion of Masonry Building
Cnc Walk
760
Two Story Portion of Masonry Building 760 Brooks Ave.
Heat. oil UST for #760
Conc. Curb
Nat. Gas main ends here.
Concrete Walk
Asphalt Walk
720
One Story Masonry Building
CB#1
Brooks Avenue

EGS-35 ND ND ND
EGS-33 NS
EGS-34 15'–16' ND ND ND
EGS-36 14'–16' ND ND ND
EGS-30 NS
EGS-31 14'–14.5' 15,570 ND ND
EGS-32 14'–16' 121,400 ND ND
GP-1 18.5'–20' ND ND 686
MW-8SB
MW-8O
B-3 8'–10' ND ND ND
EGS-1 NS
GP-3 12'–16' ND ND ND
B-4 14'–15' ND ND ND
EGS-13B 14'–14.5' ND ND ND
EGS-13A 12.5'–13.5' ND ND ND
MW-13 10'–12' 14,850 ND ND
EGS-13C 10.5'–12' 62,551 ND 916
EGS-13D 9'–10.5' 1,711 ND ND
EGS-13E ?? ND ND ND
MW-12 10'–12'
MW-C
B-2 14'–15' 638,780 ND 7,900
GP-2 12'–16' 170,970E ND 30,200
WC-1 (NA)
WC-2 (NA)
WC-8 14'–20' 10,090 ND ND
EGS-13F 12.5'–13.5' 27 ND 24.8
EGS-2 17'–18' 49 ND ND
EGS-3 16' 9,575 ND 1,170
B-5 NS
EGS-40 4'–12' 130 ND ND
B-1 20'–21.5' 67.9 ND ND
WC-3 (NA)
GP-5 17'–18' 10,017 ND 1,830
MW-A
EGS-41 13'–20' 13.4 ND ND
GP-8 20'–22.4' ND ND 51
B-6 NS
B-11 8'–10' 18.1 ND ND
MW-6 (DB) (SB) (O)
GP-10 11'–14' ND ND ND
EGS-6 13'–14' ND ND ND
GP-7 17'–20' 29,788 ND 7,990
WC-4 (NA)
GP-4 16'–17' 218 ND 2,610
B-7 12.5'–13.5' 51,570 ND 10,400
EGS-45 19.5' 19,470 ND 1,380
B-10 14'–16' 86.3 ND 54.8
EGS-42 ND ND ND
MW-B
GP-6 12'–16' 345 ND 458
WC-5
B-9 15'–16.4' 4,521 ND 576
MW-10SB
MW-10O
EGS-44 11'–16' 24,160 ND 2,920
GP-9 14'–16' 4,850 ND ND
B-13 12'–14' 4,175 ND ND (DB)
EGS-5 10'–11' 170 ND ND
GP-11 12'–16' 91 ND ND
EGS-4A 13.5'–15' 7,251 ND 547
EGS-4B 10'–11' ND ND ND
EGS-4 8' 65,942** ND ND
EGS-22 10'–11' 3,750 ND ND
B-8 16.5'–17.5' 117,900 ND 40,100
WC-6 (NA)
MW-9SB
MW-9O
WC-7 15'–21.5' 17,151 ND 2,630
EGS-11 8'–9' 5,254 ND ND
MW-5 (O) (SB)
EGS-25 14' 792.4 ND 169
EGS-29 9.5'–10' 3,555 ND ND
MW-11 (SB) (O)
B-14 11'–12' 4,296 ND ND
B-15 22'–22.9' 1,429.4 ND ND
EGS-43 NS
B-12 26'–27.7' ND ND ND
EGS-10 12' 905 ND ND
EGS-16 7'–8' 38,800 ND ND
EGS-26 7'–8' 7,030 ND ND
B-16 25'–26.2' 1,220 ND 345 (ND)
GP-12 12'–16' ND ND ND
EGS-9 12' ND ND ND
EGS-19 7'–8' 11,520 ND ND
MW-4SB
MW-4DB
MW-4O
EGS-18 10'–10.5' 7,040 ND ND
EGS-20 11' Conc. 517 ND ND
EGS-27 8'–9' 2,577 ND ND
EGS-21 9.5'–10.5' 23.2 ND ND
EGS-17 8'–9' 253.1 ND 620
EGS-8 ND ND ND
EGS-7 NS
EGS-12 NS
EGS-13 NS
EGS-14 NS
EGS-15 11' 9.26 ND ND
EGS-28 NS
EGS-24 14.5'–15' 63.1 ND ND
MW-3 (DB) (O) (SB)
EGS-23 12' 21.2 ND ND
MW-2 (O) (B)

MATRIX Environmental Technologies

TABLES

Table 1

Soil VOC Analytical Data Summary
EPA MEthod 8260 STARS (µg/kg)
Former Terminal
760 Brooks Ave.
Rochester, NY

Compound	NYSDEC CP-51 SCG	B-1 20'-21.5'	B-1 12'-13.5'	B-2 14'-15'	B-2 26'-28'	B-3 8'-10'	B-4 14'-15'	B-7 12.5'-13.5'	B-8 16.5'-17.5'	B-9 15'-16.4'	B-9 24'-24.6'	B-10 14'-16'
Benzene	60	ND	ND	**6,230**	ND	ND	ND	ND	ND	133	ND	ND
n-Butylbenzene	12,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1,000	ND	ND	**45,500**	ND	ND	ND	ND	ND	523	40.4	40.5
n-Propylbenzene	3,900	ND	ND	**15,900**	ND	ND	ND	ND	ND	134	21.9	23.6
Isopropylbenzene	2,300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	700	ND	ND	**173,000**	ND	ND	ND	ND	ND	ND	16.3	ND
1,2,4-Trimethylbenzene	3,600	ND	ND	**113,000**	ND	ND	ND	**24,700**	**84,100**	914	138	ND
1,3,5-Trimethylbenzene	8,400	30.9	ND	**30,400**	ND	ND	ND	**9,470**	**33,800**	279	46.2	22.2
Total Xylenes	260	37.0	ND	**254,700**	ND	ND	ND	**17,400**	ND	**2,538**	241	ND
Total STARS VOCs	-	67.9	ND	638,730	ND	ND	ND	51,570	117,900	4,521	504.2	86.3
MTBE	930	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.2	ND
Naphthalene	12,000	ND	ND	**17,900**	ND	ND	ND	10,400	40,100	576	32.7	54.8

NOTES:

1) B-1 through B-16 sampled in May 2008

2) GP-1 through GP-12 sampled in September 2009

3) EGS-1 through EGS-45 sampled in October and December 2009

4) Laboratory Analytical: All concentrations are presented in µg/Kg or parts per billion (ppb)

5) "ND" denotes none detected.

6) "E" denotes estimated result due to calibration limits being exceeded

7) All samples were analyzed by EPA Method 8260 STARS + MtBE.

8) Soil Cleanup Guidelines (SCG) were obtained from NYSDEC CP-51

9) Shaded concentrations exceed the respective SCG

Table 1

Soil VOC Analytical Data Summary
EPA MEthod 8260 STARS (µg/kg)
Former Terminal
760 Brooks Ave.
Rochester, NY

Compound	NYSDEC CP-51 SCG	B-10 26'-26.4'	B-11 8'-10'	B-11 24'-24.4'	B-12 26'-27.7'	B-13 12'-14'	B-13 24'-25.4'	B-14 11'-12'	B-14 20'-22'	B-15 13'-15'	B-15 22'-22.9'	B-16 8'-10'	B-16 25'-26.2'
Benzene	60	51.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	ND	ND	ND	ND	1,120	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	ND	18.1	ND	ND	472	ND	311	ND	343	181	50.7	ND
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1,000	ND	ND	ND	ND	ND	ND	287	ND	ND	51.4	22.8	ND
n-Propylbenzene	3,900	ND	ND	ND	ND	1,250	14.3	826	17.5	531	120	62.1	125
Isopropylbenzene	2,300	ND	ND	ND	ND	849	ND	635	ND	ND	308	ND	ND
p-Isopropyltoluene	10,000	ND	ND	ND	ND	ND	ND	847	ND	ND	124	ND	ND
Toluene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	24.4	22.6	ND
1,2,4-Trimethylbenzene	3,600	ND	ND	ND	ND	ND	71	ND	67.7	ND	74.2	130	681
1,3,5-Trimethylbenzene	8,400	ND	ND	ND	ND	484	30.6	1,390	79.6	ND	421	76.2	295
Total Xylenes	260	8	ND	ND	ND	ND	10.9	ND	21.6	ND	125.4	66.7	119
Total STARS VOCs	-	59.9	18.1	ND	ND	4,175	126.8	4,296	186.4	874	1,429.4	431.1	1,220
MTBE	930	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	ND	ND	ND	ND	120	ND	ND	ND	ND	ND	345

NOTES:

1) B-1 through B-16 sampled in May 2008

2) GP-1 through GP-12 sampled in September 2009

3) EGS-1 through EGS-45 sampled in October and December 2009

4) Laboratory Analytical: All concentrations are presented in µg/Kg or parts per billion (ppb)

5) "ND" denotes none detected.

6) "E" denotes estimated result due to calibration limits being exceeded

7) All samples were analyzed by EPA Method 8260 STARS + MtBE.

8) Soil Cleanup Guidelines (SCG) were obtained from NYSDEC CP-51

9) Shaded concentrations exceed the respective SCG

Table 1

Soil VOC Analytical Data Summary
EPA MEthod 8260 STARS (µg/kg)
Former Terminal
760 Brooks Ave.
Rochester, NY

Compound	NYSDEC CP-51 SCG	EGS-2 17'-18'	EGS-3 11.5'	EGS-3 16'	EGS-4 8'	EGS-4A 13.5'-15'	EGS-4B 10'-11.5'	EGS-5 10'-11'	EGS-6 13'-14'	EGS-9 12'	EGS-10 12'	EGS-11 8'-9'	EGS-15 11'
Benzene	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	ND	ND	ND	**14,900 E**	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	49	63.6	638	**13,400**	1,250	ND	ND	ND	ND	277	221	ND
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1,000	ND	ND	**1,520**	218	811	ND	ND	ND	ND	ND	**1,270**	ND
n-Propylbenzene	3,900	ND	235	2,810	**21,700 E**	2,630	ND	170	ND	ND	628	849	9.26
Isopropylbenzene	2,300	ND	136	1,730	**14,300 E**	1,320	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	10,000	ND	ND	1,500	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	ND	88.7	ND	448	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	ND	42.1	1,250	203	1,240	ND	ND	ND	ND	ND	914	ND
Total Xylenes	260	ND	30.2	127	773	ND	ND	ND	ND	ND	ND	ND	ND
Total STARS VOCs	-	49	595.6	9,575	65,942 E	7,251	ND	170	ND	ND	905	3,254	9.3
MTBE	930	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	133	1,170	ND	547	ND	ND	ND	ND	ND	ND	ND

NOTES:

1) B-1 through B-16 sampled in May 2008

2) GP-1 through GP-12 sampled in September 2009

3) EGS-1 through EGS-45 sampled in October and December 2009

4) Laboratory Analytical: All concentrations are presented in µg/Kg or parts per billion (ppb)

5) "ND" denotes none detected.

6) "E" denotes estimated result due to calibration limits being exceeded

7) All samples were analyzed by EPA Method 8260 STARS + MtBE.

8) Soil Cleanup Guidelines (SCG) were obtained from NYSDEC CP-51

9) Shaded concentrations exceed the respective SCG

Table 1

Soil VOC Analytical Data Summary
EPA MEthod 8260 STARS (µg/kg)
Former Terminal
760 Brooks Ave.
Rochester, NY

Compound	NYSDEC CP-51 SCG	EGS-16 7'-8'	EGS-17 8'-9'	EGS-18 10'-10.5'	EGS-19 7'-8'	EGS-20 11'	EGS-21 9.5'-10.5'	EGS-22 10'-11'	EGS-23 12'	EGS-24 14.5'-15'	EGS-25 14'	EGS-26 7'-8'	EGS-27 8'-9'
Benzene	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.8	ND	ND
n-Butylbenzene	12,000	**13,100**	ND	1,630	2,470	ND	ND	ND	ND	ND	194	2,120	ND
sec-Butylbenzene	11,000	7,660	81.1	1,280	3,640	293	23.2	398	21.2	ND	111	1,150	777
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1,000	ND	ND	ND	ND	ND	ND	337	ND	ND	44.9	ND	**1,800**
n-Propylbenzene	3,900	**15,700**	172	2,740	3,830	224	ND	1,560	ND	63.1	261	2,540	ND
Isopropylbenzene	2,300	ND	ND	1,390	1,580	ND	ND	ND	ND	ND	135	1,220	ND
p-Isopropyltoluene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	700	**2,340**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	ND	ND	ND	ND	ND	ND	ND	ND	ND	16.5	ND	ND
1,3,5-Trimethylbenzene	8,400	ND	ND	ND	ND	ND	ND	1,460	ND	ND	15.2	ND	ND
Total Xylenes	260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total STARS VOCs	-	38,800	253.1	7,040	11,520	517	23.2	3,755	21.2	63.1	792.4	7,030	2,577
MTBE	930	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	670	ND	ND	ND	ND	ND	ND	ND	169	ND	ND

NOTES:

1) B-1 through B-16 sampled in May 2008

2) GP-1 through GP-12 sampled in September 2009

3) EGS-1 through EGS-45 sampled in October and December 2009

4) Laboratory Analytical: All concentrations are presented in µg/Kg or parts per billion (ppb)

5) "ND" denotes none detected.

6) "E" denotes estimated result due to calibration limits being exceeded

7) All samples were analyzed by EPA Method 8260 STARS + MtBE.

8) Soil Cleanup Guidelines (SCG) were obtained from NYSDEC CP-51

9) Shaded concentrations exceed the respective SCG

Table 1

Soil VOC Analytical Data Summary
EPA MEthod 8260 STARS (µg/kg)
Former Terminal
760 Brooks Ave.
Rochester, NY

Compound	NYSDEC CP-51 SCG	EGS-29 9.5'-10'	EGS-31 14-14.5'	EGS-32 14'-16'	EGS-34 15'-16'	EGS-36 14'-16'	EGS-40 4'-12'	EGS-41 13'-20'	EGS-44 11'-16'	EGS-45 14'-19.5'	EGS-13A 12.5'-13.5'	EGS-13B 14'-14.5'	EGS-13C 10.5'-12'
Benzene	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	1,350	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**12,600**
sec-Butylbenzene	11,000	815	ND	ND	ND	ND	130	ND	ND	ND	ND	ND	2,790
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	889
Ethylbenzene	1,000	ND	ND	**10,700**	ND	ND	ND	ND	**4,400**	**1,740**	ND	ND	725
n-Propylbenzene	3,900	1,390	3,350	**13,000**	ND	ND	ND	ND	**4,950**	1,470	ND	ND	**14,600**
Isopropylbenzene	2,300	ND	ND	ND	ND	ND	ND	ND	1,330	ND	ND	ND	**5,700**
p-Isopropyltoluene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4,390
Toluene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	ND	**5,780**	**60,800**	ND	ND	ND	13.4	2,880	**9,070**	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	ND	3,070	**16,500**	ND	ND	ND	ND	7,720	2,180	ND	ND	**20,200**
Total Xylenes	260	ND	**3,370**	**20,400**	ND	ND	ND	ND	2,880	**5,010**	ND	ND	657
Total STARS VOCs	-	3,555	15,570	121,400	ND	ND	130	13.4	24,160	19,470	ND	ND	62,551
MTBE	930	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	ND	ND	ND	ND	ND	ND	2,920	1,880	ND	ND	916

NOTES:

1) B-1 through B-16 sampled in May 2008

2) GP-1 through GP-12 sampled in September 2009

3) EGS-1 through EGS-45 sampled in October and December 2009

4) Laboratory Analytical: All concentrations are presented in µg/Kg or parts per billion (ppb)

5) "ND" denotes none detected.

6) "E" denotes estimated result due to calibration limits being exceeded

7) All samples were analyzed by EPA Method 8260 STARS + MtBE.

8) Soil Cleanup Guidelines (SCG) were obtained from NYSDEC CP-51

9) Shaded concentrations exceed the respective SCG

Table 1

Soil VOC Analytical Data Summary
EPA MEthod 8260 STARS (µg/kg)
Former Terminal
760 Brooks Ave.
Rochester, NY

Compound	NYSDEC CP-51 SCG	EGS-13D 9'-10.5'	EGS-13F 12.5'-13.5'	GP-1 18.5'-20'	GP-2 12'-16'	GP-3 12'-16'	GP-4 16'-17'	GP-5 17'-18'	GP-6 12'-16'	GP-7 17'-20'	GP-8 20'-22.4'	GP-9 14'-16'	GP-10 11'-14'
Benzene	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	ND	ND	ND	9,580	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	491	27.0	ND	1,260	ND	ND	145	13.9	342	ND	ND	ND
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1,000	ND	ND	ND	**11,200**	ND	ND	649	ND	**3,980**	ND	345	ND
n-Propylbenzene	3,900	1,220	ND	ND	**9,570**	ND	ND	972	ND	2,150	ND	399	ND
Isopropylbenzene	2,300	ND	ND	ND	1,960	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	ND	ND	ND	**60,500 E**	ND	ND	**5,560**	17.6	**11,700**	ND	1,900	ND
1,3,5-Trimethylbenzene	8,400	ND	ND	ND	**24,600**	ND	218	1,860	ND	4,070	ND	679	ND
Total Xylenes	260	ND	ND	ND	**52,300**	ND	ND	831	ND	7,546	ND	**1,527**	ND
Total STARS VOCs	-	1,711	27	ND	170,970 E	ND	218	10,017	31.5	29,788	ND	4,850	ND
MTBE	930	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	24.8	686	**30200 E**	ND	2,810	1,830	158	7,990	51	ND	ND

NOTES:

1) B-1 through B-16 sampled in May 2008

2) GP-1 through GP-12 sampled in September 2009

3) EGS-1 through EGS-45 sampled in October and December 2009

4) Laboratory Analytical: All concentrations are presented in µg/Kg or parts per billion (ppb)

5) "ND" denotes none detected.

6) "E" denotes estimated result due to calibration limits being exceeded

7) All samples were analyzed by EPA Method 8260 STARS + MtBE.

8) Soil Cleanup Guidelines (SCG) were obtained from NYSDEC CP-51

9) Shaded concentrations exceed the respective SCG

Table 2

Soil SVOC Analytical Data Summary
EPA MEthod 8270 STARS (µg/kg)
Former Terminal
760 Brooks Ave.
Rochester, NY

Compound	NYSDEC CP-51 SCG	B-1 12'-13.5'	B-1 20'-21.5'	B-2 14'-15'	B-2 26'-28'	B-3 8'-10'	B-4 14'-15'	B-7 12.5'-13.5'	B-8 16.5'-17.5'	B-9 15'-16.4'	B-9 24'-24.6'	B-10 14'-16'	B-10 26'-26.4'
Acenaphthene	20,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,I)perylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	330	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	30,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	ND	6,240	ND	ND	ND	1,490	**17,100**	1,220	ND	ND	ND
Phenanthrene	100,000	ND	ND	ND	ND	ND	ND	362	ND	ND	ND	ND	ND
Pyrene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total STARS SVOCs	na	ND	ND	6,240	ND	ND	ND	1,852	**17,100**	1,220	ND	ND	ND

NOTES:

1) B-1 through B-16 sampled in May 2008

2) GP-1 through GP-12 sampled in September 2009

3) EGS-1 through EGS-45 sampled in October and December 2009

4) Laboratory Analytical: All concentrations are presented in µg/Kg or parts per billion (ppb)

5) "ND" denotes none detected.

6) All samples were analyzed by EPA Method 8270 STARS.

8) Soil Cleanup Guidelines (SCG) were obtained from NYSDEC CP-51

9) Shaded concentrations exceed the respective SCG

Table 2

Soil SVOC Analytical Data Summary
EPA MEthod 8270 STARS (µg/kg)
Former Terminal
760 Brooks Ave.
Rochester, NY

Compound	NYSDEC CP-51 SCG	B-11 8'-10'	B-11 24'-24.4'	B-12 26'-27.7'	B-13 12'-14'	B-13 24'-25.4'	B-14 11'-12'	B-14 20'-22'	B-15 13'-15'	B-15 22'-22.9'	B-16 8'-10'	B-16 25'-26.2'	EGS-2 17'-18'
Acenaphthene	20,000	ND	ND	ND	1,110	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	ND	ND	ND	655	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100,000	ND	ND	ND	356	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1,000	763	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1,000	482	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,I)perylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,000	837	ND	ND	ND	ND	ND	ND	ND	448	ND	ND	ND
Dibenz(a,h)anthracene	330	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	1,440	ND	ND	ND	ND	ND	ND	ND	774	ND	ND	ND
Fluorene	30,000	ND	ND	ND	2,810	ND	ND	ND	ND	494	386	ND	ND
Indeno(1,2,3-cd)pyrene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	1,170	ND	ND	ND	ND	ND	ND	ND	433	ND	357	ND
Phenanthrene	100,000	1,100	ND	ND	7,540	ND	ND	ND	1,070	1,890	429	ND	ND
Pyrene	100,000	1,490	ND	ND	672	ND	ND	ND	ND	889	ND	ND	ND
Total STARS SVOCs	na	7,282	ND	ND	13,143	ND	ND	ND	1,070	4,928	815	357	ND

NOTES:

1) B-1 through B-16 sampled in May 2008

2) GP-1 through GP-12 sampled in September 2009

3) EGS-1 through EGS-45 sampled in October and December 2009

4) Laboratory Analytical: All concentrations are presented in µg/Kg or parts per billion (ppb)

5) "ND" denotes none detected.

6) All samples were analyzed by EPA Method 8270 STARS.

8) Soil Cleanup Guidelines (SCG) were obtained from NYSDEC CP-51

9) Shaded concentrations exceed the respective SCG

Table 2

Soil SVOC Analytical Data Summary
EPA MEthod 8270 STARS (µg/kg)
Former Terminal
760 Brooks Ave.
Rochester, NY

Compound	NYSDEC CP-51 SCG	EGS-3 11.5'	EGS-3 16'	EGS-4 8'	EGS-4A 13.5'-15'	EGS-4B 10'-11.5'	EGS-5 10'-11'	EGS-6 13-14'	EGS-9 12'	EGS-10 12'	EGS-11 8-9'	EGS-15 11'	EGS-16 7'-8'
Acenaphthene	20,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,030
Benzo(a)anthracene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,I)perylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	330	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	ND	ND	2,180	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	30,000	ND	ND	9,980	995	ND	ND	ND	ND	867	ND	ND	15,700
Indeno(1,2,3-cd)pyrene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	ND	ND	19,400	1,920	ND	ND	ND	ND	1,860	429	ND	34,900
Pyrene	100,000	ND	ND	2,570	ND	ND	ND	ND	ND	ND	ND	ND	3,130
Total STARS SVOCs	na	ND	ND	34,130	2,915	ND	ND	ND	ND	2,727	429	ND	56,760

NOTES:

1) B-1 through B-16 sampled in May 2008

2) GP-1 through GP-12 sampled in September 2009

3) EGS-1 through EGS-45 sampled in October and December 2009

4) Laboratory Analytical: All concentrations are presented in µg/Kg or parts per billion (ppb)

5) "ND" denotes none detected.

6) All samples were analyzed by EPA Method 8270 STARS.

8) Soil Cleanup Guidelines (SCG) were obtained from NYSDEC CP-51

9) Shaded concentrations exceed the respective SCG

Table 2

Soil SVOC Analytical Data Summary
EPA MEthod 8270 STARS (µg/kg)
Former Terminal
760 Brooks Ave.
Rochester, NY

Compound	NYSDEC CP-51 SCG	EGS-17 8'-9'	EGS-18 10'-10.5'	EGS-19 7'-8'	EGS-20 11'	EGS-21 9.5-10.5	EGS-22 10'-11'	EGS-23 12'	EGS-24 14.5'-15'	EGS-25 14'	EGS-26 7'-8'	EGS-27 8'-9'	EGS-29 9.5'-10'
Acenaphthene	20,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,I)perylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	330	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	ND	788	2,960	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	30,000	1,100	1,160	4,630	ND	ND	ND	ND	ND	942	949	1,450	816
Indeno(1,2,3-cd)pyrene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	ND	ND	ND	ND	ND	ND	ND	519	ND	ND	ND
Phenanthrene	100,000	589	2,210	7,970	ND	ND	ND	ND	ND	2,130	1,710	3,090	1,400
Pyrene	100,000	ND	768	2,800	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total STARS SVOCs	na	1,689	4,926	18,360	ND	ND	ND	ND	ND	3,591	2,659	4,540	2,216

NOTES:

1) B-1 through B-16 sampled in May 2008

2) GP-1 through GP-12 sampled in September 2009

3) EGS-1 through EGS-45 sampled in October and December 2009

4) Laboratory Analytical: All concentrations are presented in µg/Kg or parts per billion (ppb)

5) "ND" denotes none detected.

6) All samples were analyzed by EPA Method 8270 STARS.

8) Soil Cleanup Guidelines (SCG) were obtained from NYSDEC CP-51

9) Shaded concentrations exceed the respective SCG

Table 2

Soil SVOC Analytical Data Summary
EPA MEthod 8270 STARS (µg/kg)
Former Terminal
760 Brooks Ave.
Rochester, NY

Compound	NYSDEC CP-51 SCG	EGS-31 14'-14.5'	EGS-32 14'-16'	EGS-34 15'-16'	EGS-36 14'-16'	EGS-40 4'-12'	EGS-41 13'-20'	EGS-44 11'-16'	EGS-45 14'-19.5'	EGS-13A 12.5'-13.5'	EGS-13B 14'-14.5'	EGS-13C 10.5'-12'	EGS-13D 9'-10.5'
Acenaphthene	20,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	604	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,I)perylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	330	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	ND	ND	ND	ND	ND	596	ND	ND	ND	ND	ND	ND
Fluorene	30,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,370	664
Indeno(1,2,3-cd)pyrene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	4,200	ND	ND	ND	ND	416	1,020	ND	ND	ND	ND
Phenanthrene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,700	ND
Pyrene	100,000	ND	ND	ND	ND	ND	469	ND	ND	ND	ND	ND	ND
Total STARS SVOCs	na	ND	4,200	ND	ND	ND	1,065	416	1,020	ND	ND	4,674	664

NOTES:

1) B-1 through B-16 sampled in May 2008

2) GP-1 through GP-12 sampled in September 2009

3) EGS-1 through EGS-45 sampled in October and December 2009

4) Laboratory Analytical: All concentrations are presented in µg/Kg or parts per billion (ppb)

5) "ND" denotes none detected.

6) All samples were analyzed by EPA Method 8270 STARS.

8) Soil Cleanup Guidelines (SCG) were obtained from NYSDEC CP-51

9) Shaded concentrations exceed the respective SCG

Table 2

Soil SVOC Analytical Data Summary
EPA MEthod 8270 STARS (µg/kg)
Former Terminal
760 Brooks Ave.
Rochester, NY

Compound	NYSDEC CP-51 SCG	EGS-13F 12.5'-13.5'	MW-12 10'-12'	MW-13 10'-12'	GP-1 18.5'-20'	GP-2 12'-16'	GP-3 12'-16'	GP-4 16'-17'	GP-5 17'-18'	GP-6 12'-16'	GP-7 17'-20'	GP-8 20'-22.4'	GP-9 14'-16'
Acenaphthene	20,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,I)perylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	330	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	ND	ND	1,460	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	30,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	ND	ND	ND	10,500	ND	ND	ND	ND	910	ND	ND
Phenanthrene	100,000	ND	ND	2,500	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total STARS SVOCs	na	ND	ND	3,960	ND	ND	ND	ND	ND	ND	910	ND	ND

NOTES:

1) B-1 through B-16 sampled in May 2008

2) GP-1 through GP-12 sampled in September 2009

3) EGS-1 through EGS-45 sampled in October and December 2009

4) Laboratory Analytical: All concentrations are presented in µg/Kg or parts per billion (ppb)

5) "ND" denotes none detected.

6) All samples were analyzed by EPA Method 8270 STARS.

8) Soil Cleanup Guidelines (SCG) were obtained from NYSDEC CP-51

9) Shaded concentrations exceed the respective SCG

Table 3

Soil VOC Concentrations Summary
EPA Method 8260 STARS (µg/kg)
Former Terminal
760 Brooks Ave.
Rochester, NY

Compound	375 RESIDENTIAL	375 COMMERCIAL	B-2 14'-15'	B-8 16.5'-17.5'	EGS-32 14'-16'	GP-2 12'-16'
Benzene	2,900	44,000	**6,230**	ND	ND	ND
n-Butylbenzene	NA	NA	ND	ND	ND	9,580
sec-Butylbenzene	100,000	500,000	ND	ND	ND	1,260
tert-Butylbenzene	100,000	500,000	ND	ND	ND	ND
Ethylbenzene	30,000	390,000	**45,500**	ND	10,700	11,200
n-Propylbenzene	100,000	500,000	15,900	ND	13,000	9,570
Isopropylbenzene	NA	NA	ND	ND	ND	1,960
p-Isopropyltoluene	NA	NA	ND	ND	ND	ND
Toluene	100,000	500,000	**173,000**	ND	ND	ND
1,2,4-Trimethylbenzene	47,000	190,000	**113,000**	**84,100**	**60,800**	**60500 E**
1,3,5-Trimethylbenzene	47,000	190,000	30,400	33,800	16,500	24,600
Total Xylenes	100,000	500,000	**254,700**	ND	20,400	52,300
Total STARS VOCs	NA	NA	638,730.0	117,900.0	121,400.0	170,970 E
MTBE	62,000	500,000	ND	ND	ND	ND
Naphthalene	NA	NA	17,900	40,100	ND	30200 E

NOTES:

1) B-1 through B-16 sampled in May 2008

2) GP-1 through GP-12 sampled in September 2009

3) EGS-1 through EGS-45 sampled in October and December 2009

4) Laboratory Analytical: All concentrations are presented in µg/Kg or parts per billion (ppb)

5) "ND" denotes none detected.

6) "NA" denotes value not assigend.

7) "E" denotes estimated result due to calibration limits being exceeded

8) All samples were analyzed by EPA Method 8260 STARS + MtBE.

8) Part 375 Residential and 375 Commercial from NYSDEC 6 NYCRR Part 375 Table 375-6.8(b)

9) Red-shaded concentrations exceed Part 375 Residential value.

9) No values exceeded the Part 375 Commercial value.

Table 4

Overburden Groundwater VOC Data Summary
EPA Method 8260 STARS (µg/L)
Former Terminal
760 Brooks Avenue
Rochester, New York

April 2010

Compound	MWA	MWB	MWC	MW3-O	MW4-O	MW5-O	MW6-O	MW8-O	MW9-O	MW10-O	MW11-O	MW12-O	MW13-O	Standards
Benzene	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.5	1
n-Butylbenzene	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	5
sec-Butylbenzene	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	5
tert-Butylbenzene	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	5
Ethylbenzene	ND<0.8	ND<0.8	ND<0.8	ND<0.8	ND<0.8	ND<0.8	ND<0.8	ND<0.8	ND<0.8	ND<0.8	ND<0.8	ND<0.8	2.0	5
Isopropylbenzene	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	5
p-Isopropyltoluene	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	5
n-Propylbenzene	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.0	5
Toluene	ND<0.7	ND<0.7	ND<0.7	ND<0.7	ND<0.7	ND<0.7	ND<0.7	ND<0.7	ND<0.7	ND<0.7	ND<0.7	ND<0.7	ND<0.7	5
1,2,4-Trimethylbenzene	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	3.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.0	5
1,3,5-Trimethylbenzene	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	5
m+p-Xylene	ND<0.8	ND<0.8	ND<0.8	ND<0.8	ND<0.8	ND<0.8	ND<0.8	2.0	ND<0.8	ND<0.8	ND<0.8	ND<0.8	**17.0**	5
o-Xylene	ND<0.8	ND<0.8	ND<0.8	ND<0.8	ND<0.8	ND<0.8	ND<0.8	ND<0.8	ND<0.8	ND<0.8	ND<0.8	ND<0.8	0.9	5
Total STARS VOCs	ND	ND	ND	ND	ND	ND	1.0	7.0	ND	ND	ND	ND	22.4	-

MTBE	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	**11.0**	ND<0.5	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	10
Naphthalene	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	10

Standards = NYSDEC Groundwater Standard Concentrations
= exceeds NYSDEC Groundwater Standard

Table 5

Overburden Groundwater SVOC Data Summary
EPA Method 8270 STARS (µg/L)
Former Terminal
760 Brooks Avenue
Rochester, New York

April 2010

Compound	MW3-O	MW10-O	MWA	MW8-O	MWC	MW4-O	MWB	MW5-O	MW9-O	MW13-O	MW12-O	MW6-O	MW11-O	Standards
Acenaphthene	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	ND<5.0	ND<0.9	ND<1.0	ND<1.0	ND<1.0	1.0	ND<0.9	20
Anthracene	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	ND<5.0	4.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	50
Benzo(a)anthracene	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	ND<5.0	ND<0.9	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	0.002
Benzo(a)pyrene	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	ND<5.0	ND<0.9	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	0.002
Benzo(b)fluoranthene	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	ND<5.0	ND<0.9	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	0.002
Benzo(g,h,i)perylene	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	ND<5.0	ND<0.9	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	5
Benzo(k)fluoranthene	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	ND<5.0	ND<0.9	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	0.002
Chrysene	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	ND<5.0	ND<0.9	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	0.002
Dibenz(a,h)anthracene	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	ND<5.0	ND<0.9	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	50
Fluoranthene	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	ND<5.0	1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	50
Fluorene	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	ND<5.0	10.0	ND<1.0	ND<1.0	ND<1.0	2.0	ND<0.9	50
Indeno(1,2,3-cd)pyrene	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	ND<5.0	ND<0.9	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	0.002
Naphthalene	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	ND<5.0	ND<0.9	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	10
Phenanthrene	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	ND<5.0	14.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	50
Pyrene	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	ND<5.0	1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.9	50
Total STARS SVOCs	ND	ND	ND	ND	ND	ND	ND	30.0	ND	ND	ND	3.0	ND	-

Standards = NYSDEC Groundwater Standard Concentrations
= exceeds NYSDEC Groundwater Standard

APPENDIX A
SOIL GEOPHYSICAL DATA
3RD ROCK GEOTECHNICAL, APRIL 23, 2010

580 Olean Road
East Aurora, NY 14052
Phone: (716)655.4933
Fax: (716)655.8638

May 4, 2010

Mr. D. Robert Gill
Matrix Environmental Tech. Inc.
3730 California Road
Orchard Park, New York 14127

Re: Soil Testing Report & Associated Invoice

Dear Mr. Gill:

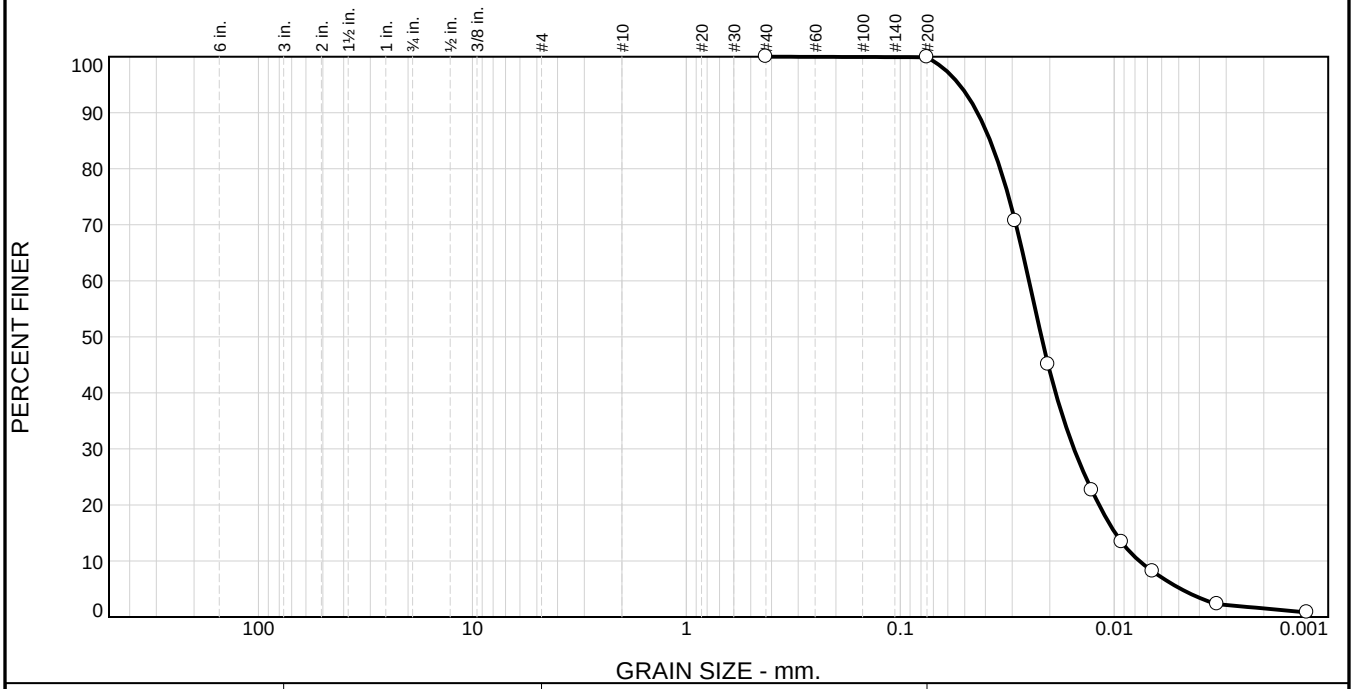
Enclosed are the testing results for three intact soil samples received by our laboratory on April 20, 2010. The sample results and invoice have been transmitted to you via electronic mail. If you have any questions or require additional information please call us.

Very truly yours,

Jeanne M. Asquith
Soils Laboratory Manager

Enclosures
Sample ID#'s 10-101, 10-102, 10-103

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.0	0.0	0.1	94.7	5.2

TEST RESULTS (ASTM D 422)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
#40	100.0		
#200	99.9		
0.0291 mm.	70.7		
0.0204 mm.	45.1		
0.0127 mm.	22.6		
0.0092 mm.	13.4		
0.0066 mm.	8.2		
0.0033 mm.	2.3		
0.0013 mm.	0.8		

* (no specification provided)

Material Description

ID#10-101

Atterberg Limits (ASTM D 4318)

PL= **LL=** **PI=**

Classification

USCS (D 2487)= **AASHTO (M 145)=**

Coefficients

D_{90}= 0.0436 D_{85}= 0.0380 D_{60}= 0.0250
D_{50}= 0.0219 D_{30}= 0.0154 D_{15}= 0.0099
D_{10}= 0.0076 C_u= 3.28 C_c= 1.24

Remarks

Date Received: 4/20/10 **Date Tested:** 4/23/10

Tested By: JMA

Checked By: LM

Title: LM

Location: SB101
Depth: 14-16'

Date Sampled: 4/20/10

3rd Rock, LLC

East Aurora, NY

Client: Matrix Environmental Tech. Inc.
Project: Matrix Environmental Tech. Inc.

Project No: 10-015 **Figure**

FINAL PERMEABILITY REPORT

Project Name:	Matrix Environmental Tech	Date:	05/03/10
Project No.:	10-015	Tested By:	RP
Sample No.:	SB101 14-16'	Check By:	JMA
Sample I.D.:	10-101	Date of Test:	04/21/10
Laboratory Method:	ASTM D5084, Method C	Date Test Complete:	04/23/10
Remarks:	*None*	CELL NO.:	5A

INITIAL SAMPLE DATA:

Height, in.:	2.411	Wet Density, pcf:	135.7
Diameter, in.:	2.855	Dry Density, pcf:	110.0
Moisture Content,%:	23.40	Compaction, %:	NA

FINAL SAMPLE DATA:

Height, in.:	2.300	Wet Density, pcf:	133.8
Diameter, in.:	2.915	Dry Density, pcf:	112.0
Moisture Content,%:	19.50		

SATURATION AND CONSOLIDATION DATA:

Consolidation Pressure: 85 psi

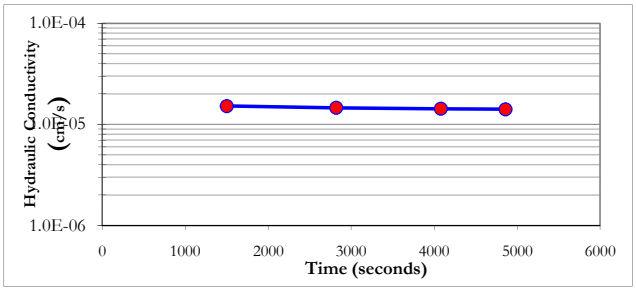
Backpressure: 80 psi

Saturation (B parameter): 98%

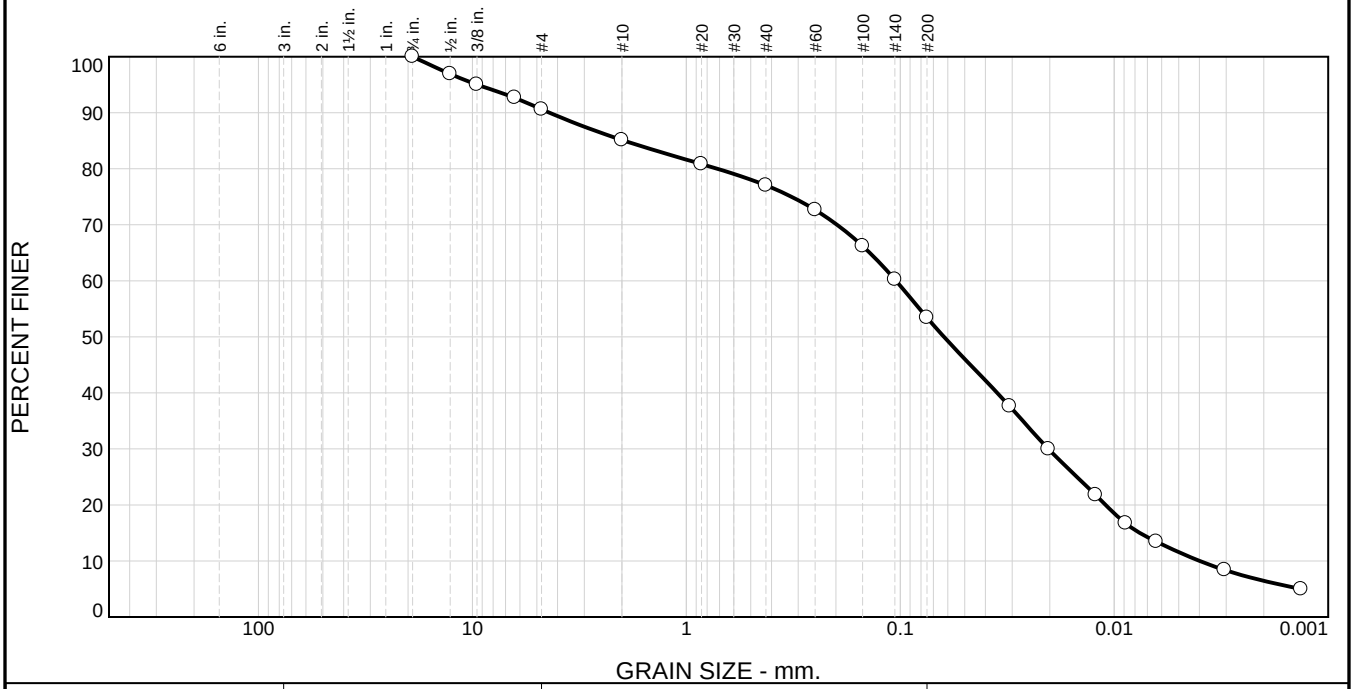
AVERAGE PERMEABILITY RESULT (average of last 4 readings, K, cm/s):

Trial #	Testing Pressures (psi)			Q (ml/sec)	Final K (cm/s)
	1	2	3		
1	85	80	80	1.66E-03	1.5E-05
2	85	80	80	1.12E-03	1.5E-05
3	85	80	80	7.98E-04	1.4E-05
4	85	80	80	6.15E-04	1.4E-05

Average K	1.5E-05
Average K , ft/day	4.1E-02



Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	9.4	5.5	8.1	23.6	41.8	11.6

TEST RESULTS (ASTM D 422)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
.5	96.9		
.375	95.0		
.25	92.7		
#4	90.6		
#10	85.1		
#20	80.8		
#40	77.0		
#60	72.7		
#100	66.2		
#140	60.2		
#200	53.4		
0.0308 mm.	37.6		
0.0203 mm.	30.0		
0.0122 mm.	21.8		
0.0088 mm.	16.7		
0.0064 mm.	13.4		
0.0030 mm.	8.4		
0.0013 mm.	5.0		

* (no specification provided)

Material Description

ID#10-102

Atterberg Limits (ASTM D 4318)

PL= **LL=** **PI=**

Classification

USCS (D 2487)= **AASHTO (M 145)=**

Coefficients

D_{90}= 4.3624 D_{85}= 1.9505 D_{60}= 0.1047
D_{50}= 0.0625 D_{30}= 0.0203 D_{15}= 0.0076
D_{10}= 0.0040 C_u= 26.29 C_c= 0.99

Remarks

Date Received: 4/20/10 **Date Tested:** 5/3/10

Tested By: RP

Checked By: JMA

Title: LM

Location: SB102
Depth: 16-20'

Date Sampled: 4/20/10

3rd Rock, LLC

East Aurora, NY

Client: Matrix Environmental Tech. Inc.
Project: Matrix Environmental Tech. Inc.

Project No: 10-015 **Figure**

FINAL PERMEABILITY REPORT

Project Name:	Matrix Environmental	Date:	05/03/10
Project No.:	10-015	Tested By:	RP
Sample No.:	SB102, 16-20'	Check By:	JMA
Sample I.D.:	10-102	Date of Test:	04/23/10
Laboratory Method:	ASTM D5084, Method C	Date Test Complete:	04/27/10
Remarks:	*Permeability Test Sample remolded at inplace density/water content*	CELL NO.:	2

INITIAL SAMPLE DATA:

Height, in.:	3.001	Wet Density, pcf:	143.8
Diameter, in.:	2.800	Dry Density, pcf:	131.5
Moisture Content,%:	9.30	Compaction, %:	NA

FINAL SAMPLE DATA:

Height, in.:	2.894	Wet Density, pcf:	148.0
Diameter, in.:	2.813	Dry Density, pcf:	134.5
Moisture Content,%:	10.00		

SATURATION AND CONSOLIDATION DATA:

Consolidation Pressure: 86 psi

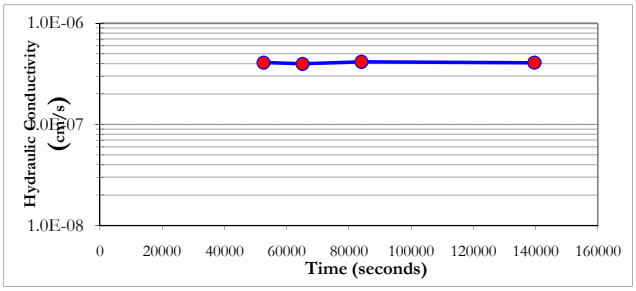
Backpressure: 80 psi

Saturation (B parameter): 96%

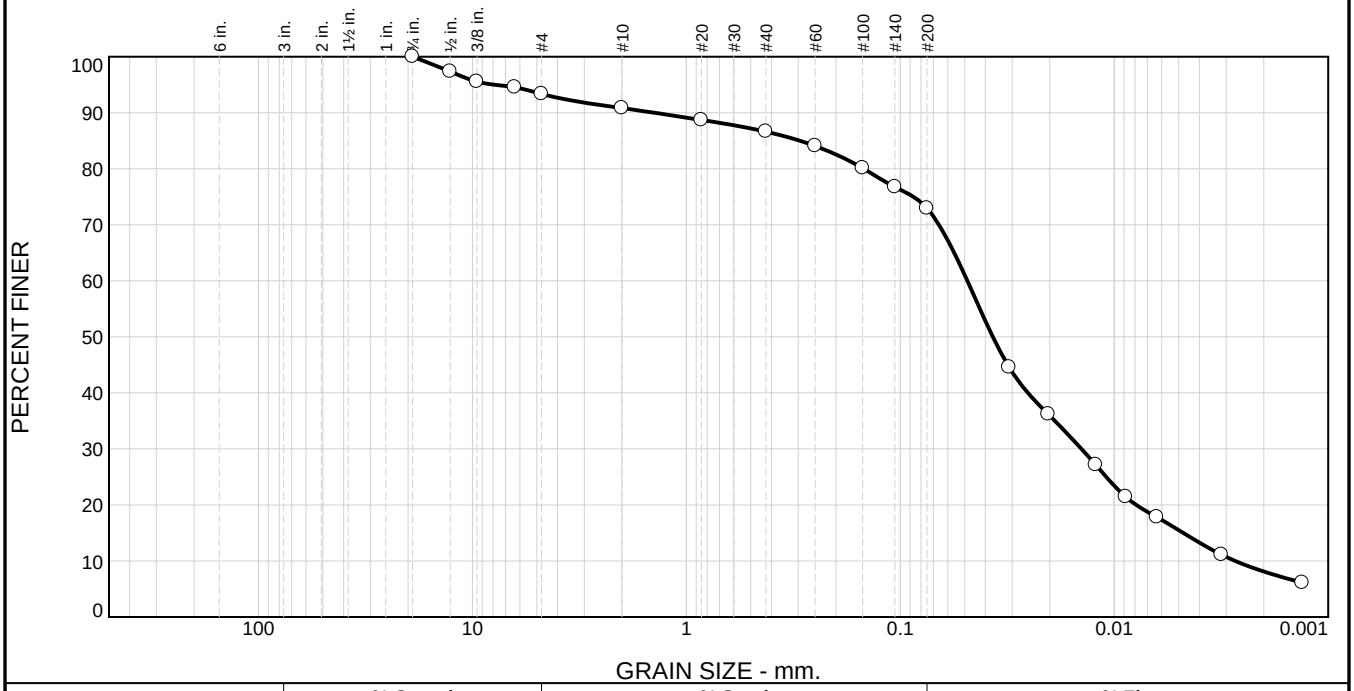
AVERAGE PERMEABILITY RESULT (average of last 4 readings, K, cm/s):

Trial #	Testing Pressures (psi)			Q (ml/sec)	Final K (cm/s)
	1	2	3		
1	86	80	80	3.88E-05	4.1E-07
2	86	80	80	3.19E-05	4.0E-07
3	86	80	80	3.06E-05	4.2E-07
4	86	80	80	2.49E-05	4.1E-07

Average K	4.1E-07
Average K , ft/day	1.2E-03



Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	6.7	2.5	4.2	13.7	57.4	15.5

TEST RESULTS (ASTM D 422)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
.5	97.3		
.375	95.5		
.25	94.5		
#4	93.3		
#10	90.8		
#20	88.7		
#40	86.6		
#60	84.1		
#100	80.1		
#140	76.7		
#200	72.9		
0.0310 mm.	44.6		
0.0204 mm.	36.2		
0.0122 mm.	27.2		
0.0088 mm.	21.4		
0.0063 mm.	17.8		
0.0032 mm.	11.1		
0.0013 mm.	6.1		

* (no specification provided)

Material Description

ID#10-103

Atterberg Limits (ASTM D 4318)

PL= **LL=** **PI=**

Classification

USCS (D 2487)= **AASHTO (M 145)=**

Coefficients

D_{90}= 1.4169 D_{85}= 0.2953 D_{60}= 0.0486
D_{50}= 0.0369 D_{30}= 0.0142 D_{15}= 0.0048
D_{10}= 0.0027 C_u= 17.87 C_c= 1.53

Remarks

Date Received: 4/20/10 **Date Tested:** 4/25/10

Tested By: RP

Checked By: JMA

Title: LM

Location: SB103 **Date Sampled:** 4/20/10

3rd Rock, LLC

East Aurora, NY

Client: Matrix Environmental Tech. Inc.

Project: Matrix Environmental Tech. Inc.

Project No: 10-015 **Figure**

FINAL PERMEABILITY REPORT

Project Name:	Matrix Environmental Tech.	Date:	05/03/10
Project No.:	10-015	Tested By:	RP
Sample No.:	SB-103	Check By:	JMA
Sample I.D.:	10-103	Date of Test:	04/22/10
Laboratory Method:	ASTM D5084, Method C	Date Test Complete:	04/25/10
Remarks:	*None*	CELL NO.:	5A

INITIAL SAMPLE DATA:

Height, in.:	2.290	Wet Density, pcf:	144.1
Diameter, in.:	2.802	Dry Density, pcf:	128.7
Moisture Content,%:	12.00	Compaction, %:	NA

FINAL SAMPLE DATA:

Height, in.:	2.253	Wet Density, pcf:	145.5
Diameter, in.:	2.802	Dry Density, pcf:	130.0
Moisture Content,%:	11.90		

SATURATION AND CONSOLIDATION DATA:

Consolidation Pressure: 85 psi

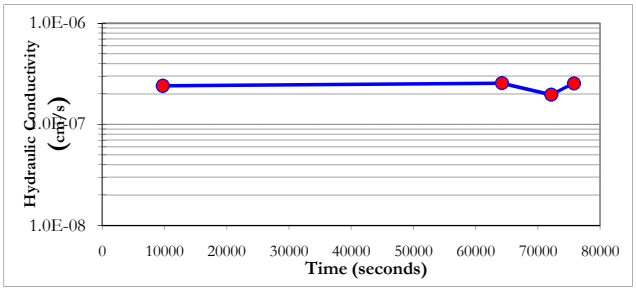
Backpressure: 80 psi

Saturation (B parameter): 98%

AVERAGE PERMEABILITY RESULT (average of last 4 readings, K, cm/s):

Trial #	Testing Pressures (psi)			Q (ml/sec)	Final K (cm/s)
	1	2	3		
1	85	80.3	79.7	8.20E-05	2.4E-07
2	85	80.3	79.7	7.64E-05	2.6E-07
3	85	80.3	79.7	5.18E-05	2.0E-07
4	85	80.3	79.7	6.56E-05	2.6E-07

Average K	2.4E-07
Average K , ft/day	6.7E-04



Summary of Laboratory Test Results

Project: Matrix Environmental Tech. Inc. **Project No:** 10-015
Client: Matrix Environmental Tech. Inc. **Date:** 5/03/10

Sample No., Depth ft. below grade	ASTM D2216					ASTM D854
	Natural Water Content, %	Wet Density, pcf	Dry Density, pcf	Porosity %	Saturation %	Specific Gravity
SB101, 14-16'	23.4	135.7	110.0	34	122	2.666
SB102, 16-20'	9.3	143.8	131.5	22	91	2.686
SB103	12.0	144.1	128.7	24	105	2.697

3rd Rock, LLC
580 Olean Road
East Aurora, NY 14052
(716)655-4933
(716)655-8638 (fax)

APPENDIX B
AIR SAMPLING SERVICES REPORT
GZA, JUNE 7, 2010

Centek Laboratories, LLC
143 Midler Park Drive
Syracuse, NY 13206
TEL: *3154319730* FAX: *3154319731*

BOTTLE ORDER

1797

08-Jun-10

SHIPPED TO:

Company: GZA GeoEnvironmental of NY
Contact: Dan Wulf
Address: 535 Washington Street
11th Floor
Buffalo, NY 14203
Phone: 716-685-2300
Quote ID: 0
Project:

Submitted By:

Ship Date: 5/11/2010
VIA: FedEx
Due Date: 5/12/2010

Bottle Code	Bottle Type	TEST(s)	QTY
MC1000CC	1L Mini-Can	1ug/M3 by Method TO15	6

Can / Reg ID	Description
98	1L Mini-Can - 1099
143	Time-Set Reg - 638
144	Time-Set Reg - 639
129	1L Mini-Can - 1077
198	1L Mini-Can - 1153
163	1L Mini-Can - 1133
172	Time-Set Reg - 656
393	Time-Set Reg - 772
400	Time-Set Reg - 779
295	Time-Set Reg - 718
563	1L Mini-Can - 134

Comments: 6 1L @ 1 hr. Dan needs these by Thursday morning either by courier or FedEx WAC 043010 E-H

Centek Laboratories, LLC

QC Canister Cleaning Logbook

Instrument: Entech 3100

Canister Number	QC Can Number	Number of Cycles	Date	QC Batch Number	Detection Limits	Leak Test 24hr (psig str/stp)	
473	275	30	04/30/10	WAC043010B	1ug/m3 +0.25	+ 30	+ 30
553					TCE, CT, VNCL	+	+
328						+	+
205						+	+
275						+	+
348	550			WAC043010C		+	+
366						+	+
496						+	+
207						+	+
550						+	+
199	349			WAC043010D		+	+
192						+	+
429						+	+
544						+	+
349						+	+
558	362			WAC043010E		+	+
236						+	+
370						+	+
568						+	+
362						+	+
350	418			WAC043010F		+	+
78						+	+
228						+	+
347						+	+
418						+	+

Cleaned by: L.L

Centek Laboratories, LLC

QC Canister Cleaning Logbook

Instrument: Entech 3100

Canister Number	QC Can Number	Number of Cycles	Date	QC Batch Number	Detection Limits	Leak Test 24hr (psig str/stp)	
195	163	30	04/30/10	WAC043010G	1ug/m³+0.25	+ 30	+ 30
95	↓	↓	↓	↓	TCE, CT, VNCL	+ ↓	+ ↓
129	↓	↓	↓	↓	↓	+ ↓	+ ↓
98	↓	↓	↓	↓	↓	+ ↓	+ ↓
163	↓	↓	↓	↓	↓	+ ↓	+ ↓
170	198	↓	↓	WAC043010H	↓	+ ↓	+ ↓
287	↓	↓	↓	↓	↓	+ ↓	+ ↓
101	↓	↓	↓	↓	↓	+ ↓	+ ↓
563	↓	↓	↓	↓	↓	+ ↓	+ ↓
198	↓	↓	↓	↓	↓	+ ↓	+ ↓
290	545	↓	↓	WAC043010I	↓	+ ↓	+ ↓
462	↓	↓	↓	↓	↓	+ ↓	+ ↓
333	↓	↓	↓	↓	↓	+ ↓	+ ↓
428	↓	↓	↓	↓	↓	+ ↓	+ ↓
545	↓	↓	↓	↓	↓	+ ↓	+ ↓
						+	+
						+	+
						+	+
						+	+
						+	+
						+	+
						+	+
						+	+
						+	+
						+	+

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\10APR\AH043011.D Vial: 5
Acq On : 30 Apr 2010 16:18 Operator: RJP
Sample : WAC043010E Inst : MSD #1
Misc : 1UG + 0.25 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 16:40:21 2010 Quant Results File: A405_1UT.RES

Quant Method : C:\HPCHEM\1\METHODS\A405_1UT.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Apr 24 10:47:46 2010
Response via : Initial Calibration
DataAcq Meth : A405_1UT

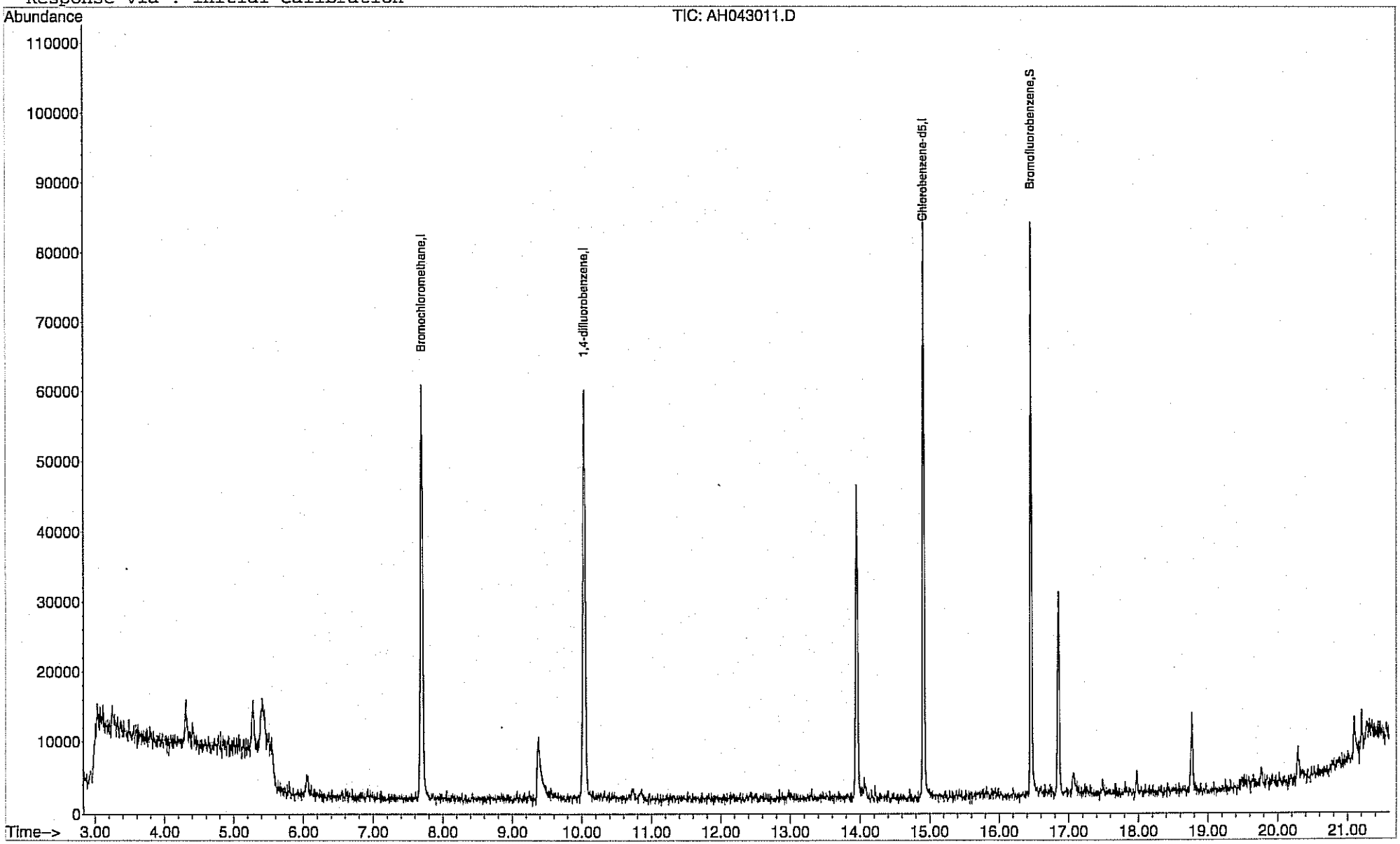
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.71	128	21532	1.00	ppb	0.00
30) 1,4-difluorobenzene	10.03	114	61391	1.00	ppb	0.00
44) Chlorobenzene-d5	14.90	117	50908	1.00	ppb	0.00
System Monitoring Compounds						
57) Bromofluorobenzene	16.45	95	22363	0.92	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 92.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\10APR\AH043011.D Vial: 5
Acq On : 30 Apr 2010 16:18 Operator: RJP
Sample : WAC043010E Inst : MSD #1
Misc : 1UG + 0.25 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 8 10:22 2010 Quant Results File: A405_1UT.RES

Method : C:\HPCHEM\1\METHODS\A405_1UT.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Apr 24 10:47:46 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\10APR\AH043012.D Vial: 6
Acq On : 30 Apr 2010 16:56 Operator: RJP
Sample : WAC043010F Inst : MSD #1
Misc : 1UG + 0.25 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 17:18:15 2010 Quant Results File: A405_1UT.RES

Quant Method : C:\HPCHEM\1\METHODS\A405_1UT.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Apr 24 10:47:46 2010
Response via : Initial Calibration
DataAcq Meth : A405_1UT

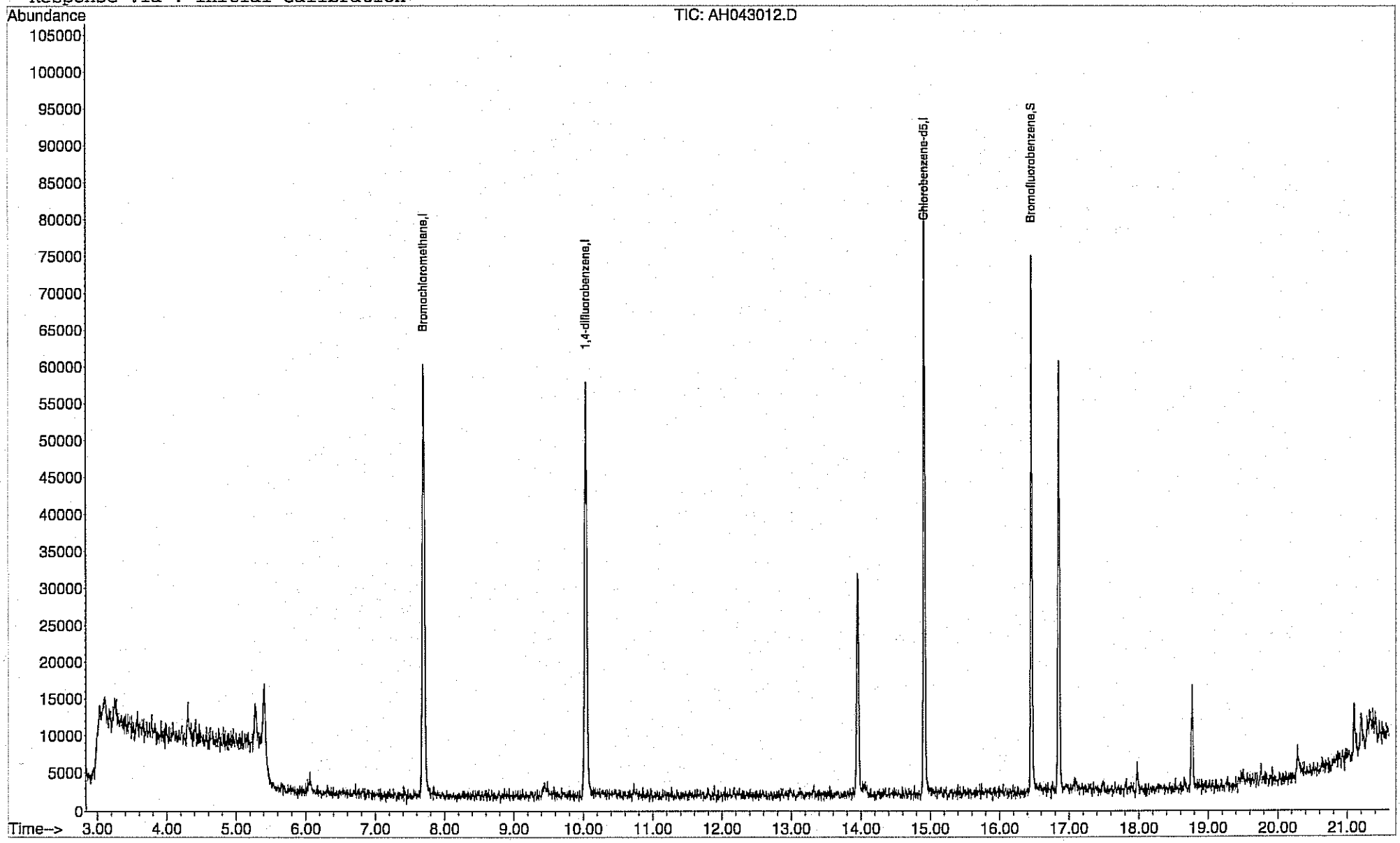
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.70	128	20933	1.00	ppb	0.00
30) 1,4-difluorobenzene	10.04	114	57257	1.00	ppb	0.00
44) Chlorobenzene-d5	14.91	117	49062	1.00	ppb	0.00
System Monitoring Compounds						
57) Bromofluorobenzene	16.45	95	19245	0.82	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 82.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\10APR\AH043012.D Vial: 6
Acq On : 30 Apr 2010 16:56 Operator: RJP
Sample : WAC043010F Inst : MSD #1
Misc : 1UG + 0.25 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 8 10:22 2010 Quant Results File: A405_1UT.RES

Method : C:\HPCHEM\1\METHODS\A405_1UT.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Apr 24 10:47:46 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\10APR\AH043013.D Vial: 7
Acq On : 30 Apr 2010 17:34 Operator: RJP
Sample : WAC043010G Inst : MSD #1
Misc : 1UG + 0.25 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 17:56:35 2010 Quant Results File: A405_1UT.RES

Quant Method : C:\HPCHEM\1\METHODS\A405_1UT.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Apr 24 10:47:46 2010
Response via : Initial Calibration
DataAcq Meth : A405_1UT

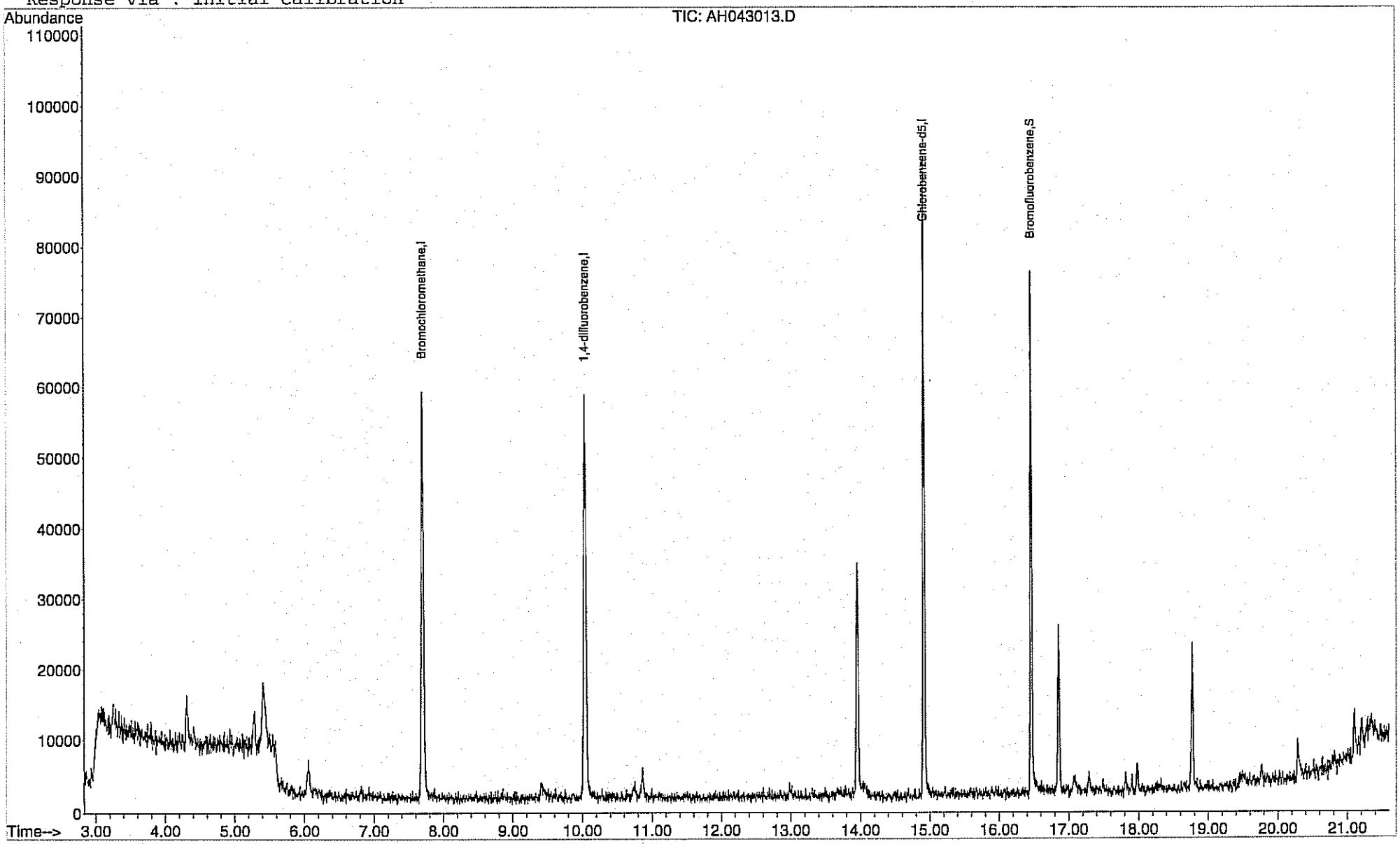
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.70	128	21456	1.00	ppb	0.00
30) 1,4-difluorobenzene	10.04	114	57447	1.00	ppb	0.00
44) Chlorobenzene-d5	14.91	117	50565	1.00	ppb	0.00
System Monitoring Compounds						
57) Bromofluorobenzene	16.45	95	20783	0.86	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 86.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\10APR\AH043013.D Vial: 7
Acq On : 30 Apr 2010 17:34 Operator: RJP
Sample : WAC043010G Inst : MSD #1
Misc : 1UG + 0.25 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 8 10:23 2010 Quant Results File: A405_1UT.RES

Method : C:\HPCHEM\1\METHODS\A405_1UT.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Apr 24 10:47:46 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\10APR\AH043014.D Vial: 8
Acq On : 30 Apr 2010 18:13 Operator: RJP
Sample : WAC043010H Inst : MSD #1
Misc : 1UG + 0.25 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 18:35:22 2010 Quant Results File: A405_1UT.RES

Quant Method : C:\HPCHEM\1\METHODS\A405_1UT.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Apr 24 10:47:46 2010
Response via : Initial Calibration
DataAcq Meth : A405_1UT

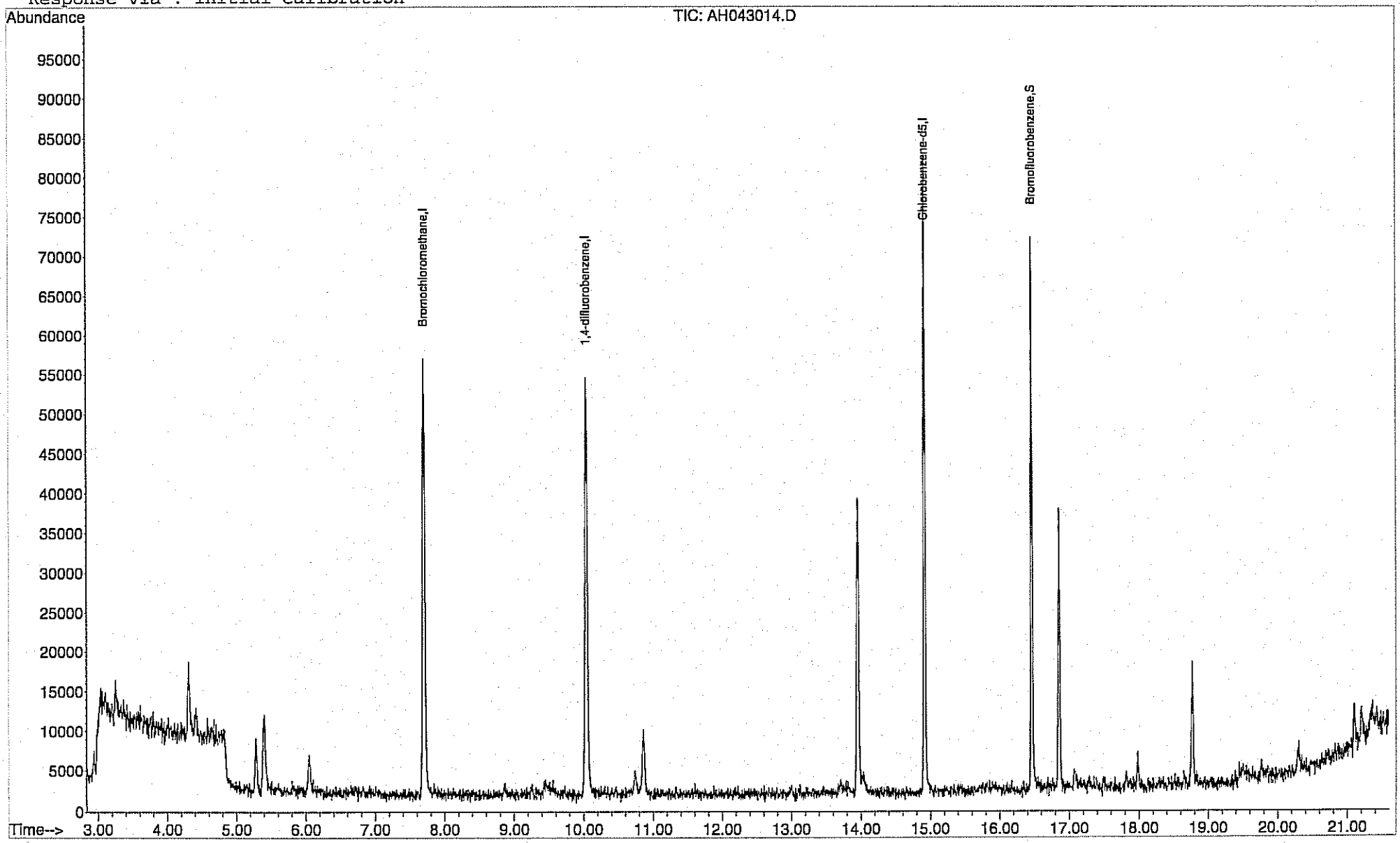
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.70	128	20259	1.00	ppb	0.00
30) 1,4-difluorobenzene	10.04	114	54833	1.00	ppb	0.00
44) Chlorobenzene-d5	14.90	117	46750	1.00	ppb	0.00
System Monitoring Compounds						
57) Bromofluorobenzene	16.45	95	19647	0.88	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 88.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\10APR\AH043014.D Vial: 8
Acq On : 30 Apr 2010 18:13 Operator: RJP
Sample : WAC043010H Inst : MSD #1
Misc : 1UG + 0.25 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 8 10:23 2010 Quant Results File: A405_1UT.RES

Method : C:\HPCHEM\1\METHODS\A405_1UT.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Apr 24 10:47:46 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\10APR\AH043015.D Vial: 9
Acq On : 30 Apr 2010 18:52 Operator: RJP
Sample : WAC043010I Inst : MSD #1
Misc : 1UG + 0.25 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 19:14:01 2010 Quant Results File: A405_1UT.RES

Quant Method : C:\HPCHEM\1\METHODS\A405_1UT.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Apr 24 10:47:46 2010
Response via : Initial Calibration
DataAcq Meth : A405_1UT

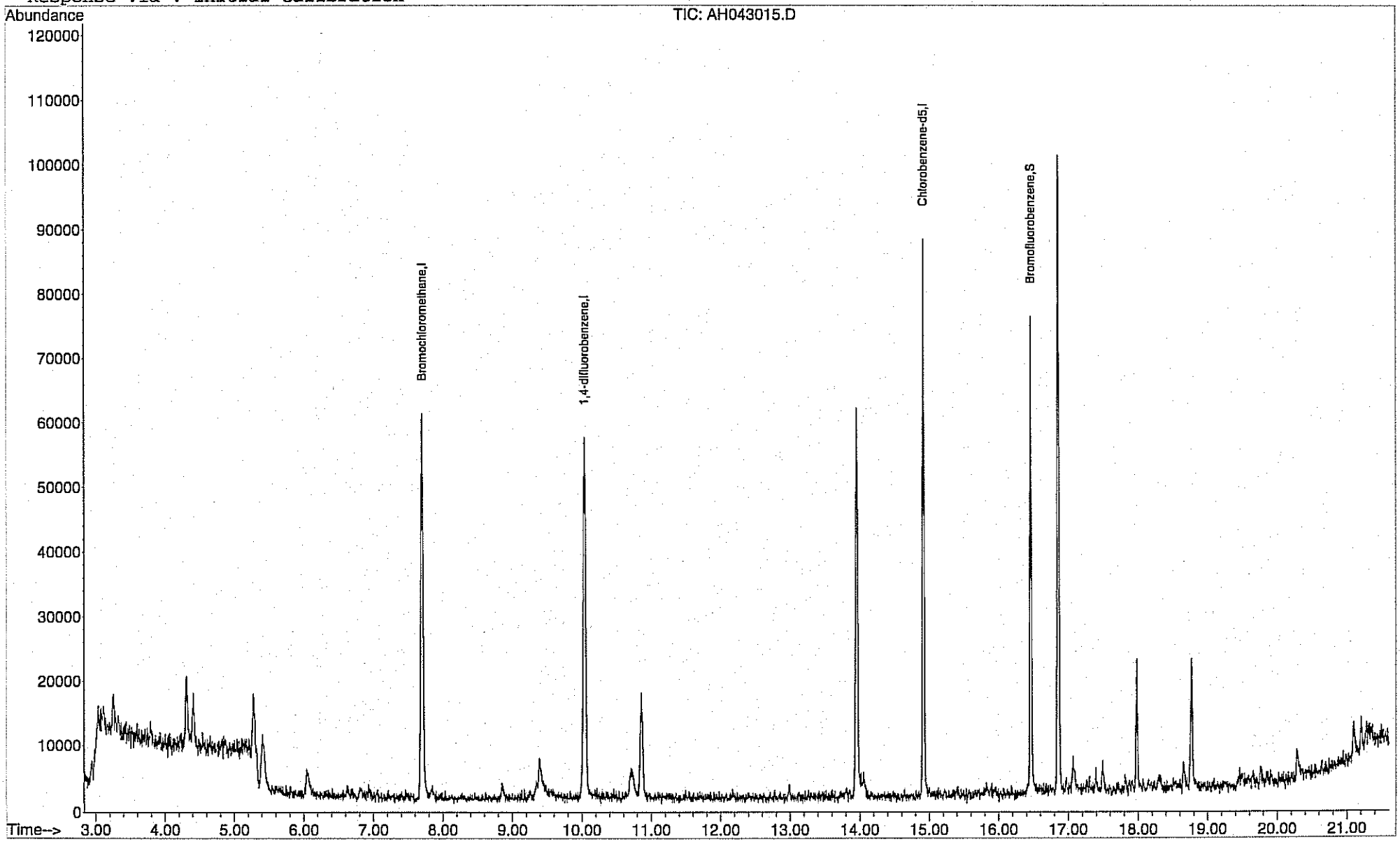
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.70	128	21554	1.00	ppb	0.00
30) 1,4-difluorobenzene	10.04	114	59415	1.00	ppb	0.00
44) Chlorobenzene-d5	14.91	117	49953	1.00	ppb	0.00
System Monitoring Compounds						
57) Bromofluorobenzene	16.46	95	19228	0.81	ppb	0.00
Spiked Amount 1.000	Range 70 - 130		Recovery = 81.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA2\10APR\AH043015.D Vial: 9
Acq On : 30 Apr 2010 18:52 Operator: RJP
Sample : WAC043010I Inst : MSD #1
Misc : 1UG + 0.25 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 8 10:23 2010 Quant Results File: A405_1UT.RES

Method : C:\HPCHEM\1\METHODS\A405_1UT.M (RTE Integrator)
Title : TO-15 VOA Standards for 5 point calibration
Last Update : Sat Apr 24 10:47:46 2010
Response via : Initial Calibration



CLIENT: GZA GeoEnvironmental of NY
Work Order: C1005021
Project: 760 Brooks Ave

ANALYTICAL QC SUMMARY REPORT

TestCode: 1ugM3_TO15

Sample ID: **MB1UG-051710** SampType: **MBLK** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **3538**
Client ID: **ZZZZZ** Batch ID: **R3538** TestNo: **TO-15** Analysis Date: **5/17/2010** SeqNo: **44103**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	< 0.15	0.15									
1,1,2,2-Tetrachloroethane	< 0.15	0.15									
1,1,2-Trichloroethane	< 0.15	0.15									
1,1-Dichloroethane	< 0.15	0.15									
1,1-Dichloroethene	< 0.15	0.15									
1,2,4-Trichlorobenzene	< 0.15	0.15									
1,2,4-Trimethylbenzene	< 0.15	0.15									
1,2-Dibromoethane	< 0.15	0.15									
1,2-Dichlorobenzene	< 0.15	0.15									
1,2-Dichloroethane	< 0.15	0.15									
1,2-Dichloropropane	< 0.15	0.15									
1,3,5-Trimethylbenzene	< 0.15	0.15									
1,3-butadiene	< 0.15	0.15									
1,3-Dichlorobenzene	< 0.15	0.15									
1,4-Dichlorobenzene	< 0.15	0.15									
1,4-Dioxane	< 0.30	0.30									
2,2,4-trimethylpentane	< 0.15	0.15									
4-ethyltoluene	< 0.15	0.15									
Acetone	0.3600	0.30									
Allyl chloride	< 0.15	0.15									
Benzene	< 0.15	0.15									
Benzyl chloride	< 0.15	0.15									
Bromodichloromethane	< 0.15	0.15									
Bromoform	< 0.15	0.15									
Bromomethane	< 0.15	0.15									
Carbon disulfide	< 0.15	0.15									
Carbon tetrachloride	< 0.15	0.15									
Chlorobenzene	< 0.15	0.15									
Chloroethane	< 0.15	0.15									

Qualifiers:

.	Results reported are not blank corrected	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected at or below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

CLIENT: GZA GeoEnvironmental of NY
Work Order: C1005021
Project: 760 Brooks Ave

ANALYTICAL QC SUMMARY REPORT

TestCode: 1ugM3_TO15

Sample ID: **MB1UG-051710** SampType: **MBLK** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **3538**
Client ID: **ZZZZZ** Batch ID: **R3538** TestNo: **TO-15** Analysis Date: **5/17/2010** SeqNo: **44103**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	< 0.15	0.15									
Chloromethane	< 0.15	0.15									
cis-1,2-Dichloroethene	< 0.15	0.15									
cis-1,3-Dichloropropene	< 0.15	0.15									
Cyclohexane	< 0.15	0.15									
Dibromochloromethane	< 0.15	0.15									
Ethyl acetate	< 0.25	0.25									
Ethylbenzene	< 0.15	0.15									
Freon 11	< 0.15	0.15									
Freon 113	< 0.15	0.15									
Freon 114	< 0.15	0.15									
Freon 12	< 0.15	0.15									
Heptane	< 0.15	0.15									
Hexachloro-1,3-butadiene	< 0.15	0.15									
Hexane	< 0.15	0.15									
Isopropyl alcohol	< 0.15	0.15									
m&p-Xylene	< 0.30	0.30									
Methyl Butyl Ketone	< 0.30	0.30									
Methyl Ethyl Ketone	< 0.30	0.30									
Methyl Isobutyl Ketone	< 0.30	0.30									
Methyl tert-butyl ether	< 0.15	0.15									
Methylene chloride	< 0.15	0.15									
o-Xylene	< 0.15	0.15									
Propylene	< 0.15	0.15									
Styrene	< 0.15	0.15									
Tetrachloroethylene	< 0.15	0.15									
Tetrahydrofuran	< 0.15	0.15									
Toluene	< 0.15	0.15									
trans-1,2-Dichloroethene	< 0.15	0.15									
trans-1,3-Dichloropropene	< 0.15	0.15									
Trichloroethene	< 0.15	0.15									

Qualifiers:

.	Results reported are not blank corrected	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected at or below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
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CLIENT: GZA GeoEnvironmental of NY
Work Order: C1005021
Project: 760 Brooks Ave

ANALYTICAL QC SUMMARY REPORT

TestCode: 1ugM3_TO15

Sample ID: **MB1UG-051710**	SampType: **MBLK**	TestCode: **1ugM3_TO15**	Units: **ppbV**	Prep Date:	RunNo: **3538**
Client ID: **ZZZZZ**	Batch ID: **R3538**	TestNo: **TO-15**		Analysis Date: **5/17/2010**	SeqNo: **44103**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl acetate	< 0.15	0.15									
Vinyl Bromide	< 0.15	0.15									
Vinyl chloride	< 0.15	0.15									
Surr: Bromofluorobenzene	0.9900	0	1	0	99.0	70	130				

Sample ID: **LCS1UG-051710**	SampType: **LCS**	TestCode: **1ugM3_TO15**	Units: **ppbV**	Prep Date:	RunNo: **3538**
Client ID: **ZZZZZ**	Batch ID: **R3538**	TestNo: **TO-15**		Analysis Date: **5/17/2010**	SeqNo: **44104**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.090	0.15	1	0	109	70	130				
1,1,2,2-Tetrachloroethane	0.8500	0.15	1	0	85.0	70	130				
1,1,2-Trichloroethane	0.9700	0.15	1	0	97.0	70	130				
1,1-Dichloroethane	1.020	0.15	1	0	102	70	130				
1,1-Dichloroethene	0.8200	0.15	1	0	82.0	70	130				
1,2,4-Trichlorobenzene	0.7500	0.15	1	0	75.0	70	130				
1,2,4-Trimethylbenzene	0.8400	0.15	1	0	84.0	70	130				
1,2-Dibromoethane	0.9000	0.15	1	0	90.0	70	130				
1,2-Dichlorobenzene	0.9100	0.15	1	0	91.0	70	130				
1,2-Dichloroethane	1.050	0.15	1	0	105	70	130				
1,2-Dichloropropane	0.9700	0.15	1	0	97.0	70	130				
1,3,5-Trimethylbenzene	0.8000	0.15	1	0	80.0	70	130				
1,3-butadiene	1.160	0.15	1	0	116	70	130				
1,3-Dichlorobenzene	0.9600	0.15	1	0	96.0	70	130				
1,4-Dichlorobenzene	0.8900	0.15	1	0	89.0	70	130				
1,4-Dioxane	0.7600	0.30	1	0	76.0	70	130				
2,2,4-trimethylpentane	1.060	0.15	1	0	106	70	130				
4-ethyltoluene	0.7500	0.15	1	0	75.0	70	130				
Acetone	1.230	0.30	1	0.36	87.0	70	130				B
Allyl chloride	0.7400	0.15	1	0	74.0	70	130				
Benzene	0.9500	0.15	1	0	95.0	70	130				

Qualifiers:

.	Results reported are not blank corrected	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected at or below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

CLIENT: GZA GeoEnvironmental of NY
Work Order: C1005021
Project: 760 Brooks Ave

ANALYTICAL QC SUMMARY REPORT

TestCode: 1ugM3_TO15

Sample ID: **LCS1UG-051710** SampType: **LCS** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **3538**
Client ID: **ZZZZZ** Batch ID: **R3538** TestNo: **TO-15** Analysis Date: **5/17/2010** SeqNo: **44104**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzyl chloride	0.8100	0.15	1	0	81.0	70	130				
Bromodichloromethane	1.080	0.15	1	0	108	70	130				
Bromoform	0.9400	0.15	1	0	94.0	70	130				
Bromomethane	1.120	0.15	1	0	112	70	130				
Carbon disulfide	1.030	0.15	1	0	103	70	130				
Carbon tetrachloride	1.080	0.15	1	0	108	70	130				
Chlorobenzene	0.8700	0.15	1	0	87.0	70	130				
Chloroethane	1.030	0.15	1	0	103	70	130				
Chloroform	1.020	0.15	1	0	102	70	130				
Chloromethane	1.150	0.15	1	0	115	70	130				
cis-1,2-Dichloroethene	0.9900	0.15	1	0	99.0	70	130				
cis-1,3-Dichloropropene	0.9600	0.15	1	0	96.0	70	130				
Cyclohexane	1.030	0.15	1	0	103	70	130				
Dibromochloromethane	0.9900	0.15	1	0	99.0	70	130				
Ethyl acetate	0.7200	0.25	1	0	72.0	70	130				
Ethylbenzene	0.8600	0.15	1	0	86.0	70	130				
Freon 11	1.150	0.15	1	0	115	70	130				
Freon 113	1.020	0.15	1	0	102	70	130				
Freon 114	1.110	0.15	1	0	111	70	130				
Freon 12	1.050	0.15	1	0	105	70	130				
Heptane	1.030	0.15	1	0	103	70	130				
Hexachloro-1,3-butadiene	0.8000	0.15	1	0	80.0	70	130				
Hexane	0.9800	0.15	1	0	98.0	70	130				
Isopropyl alcohol	0.7900	0.15	1	0	79.0	70	130				
m&p-Xylene	1.650	0.30	2	0	82.5	70	130				
Methyl Butyl Ketone	0.7700	0.30	1	0	77.0	70	130				
Methyl Ethyl Ketone	0.7200	0.30	1	0	72.0	70	130				
Methyl Isobutyl Ketone	0.8200	0.30	1	0	82.0	70	130				
Methyl tert-butyl ether	1.020	0.15	1	0	102	70	130				
Methylene chloride	0.9200	0.15	1	0	92.0	70	130				
o-Xylene	0.8400	0.15	1	0	84.0	70	130				

Qualifiers:

.	Results reported are not blank corrected	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected at or below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

CLIENT: GZA GeoEnvironmental of NY
Work Order: C1005021
Project: 760 Brooks Ave

ANALYTICAL QC SUMMARY REPORT

TestCode: 1ugM3_TO15

Sample ID: **LCS1UG-051710** SampType: **LCS** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **3538**
Client ID: **ZZZZZ** Batch ID: **R3538** TestNo: **TO-15** Analysis Date: **5/17/2010** SeqNo: **44104**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Propylene	1.050	0.15	1	0	105	70	130				
Styrene	0.8300	0.15	1	0	83.0	70	130				
Tetrachloroethylene	0.9600	0.15	1	0	96.0	70	130				
Tetrahydrofuran	0.9300	0.15	1	0	93.0	70	130				
Toluene	1.050	0.15	1	0	105	70	130				
trans-1,2-Dichloroethene	0.9100	0.15	1	0	91.0	70	130				
trans-1,3-Dichloropropene	0.9600	0.15	1	0	96.0	70	130				
Trichloroethene	1.080	0.15	1	0	108	70	130				
Vinyl acetate	0.8900	0.15	1	0	89.0	70	130				
Vinyl Bromide	1.050	0.15	1	0	105	70	130				
Vinyl chloride	1.050	0.15	1	0	105	70	130				
Surr: Bromofluorobenzene	1.130	0	1	0	113	70	130				

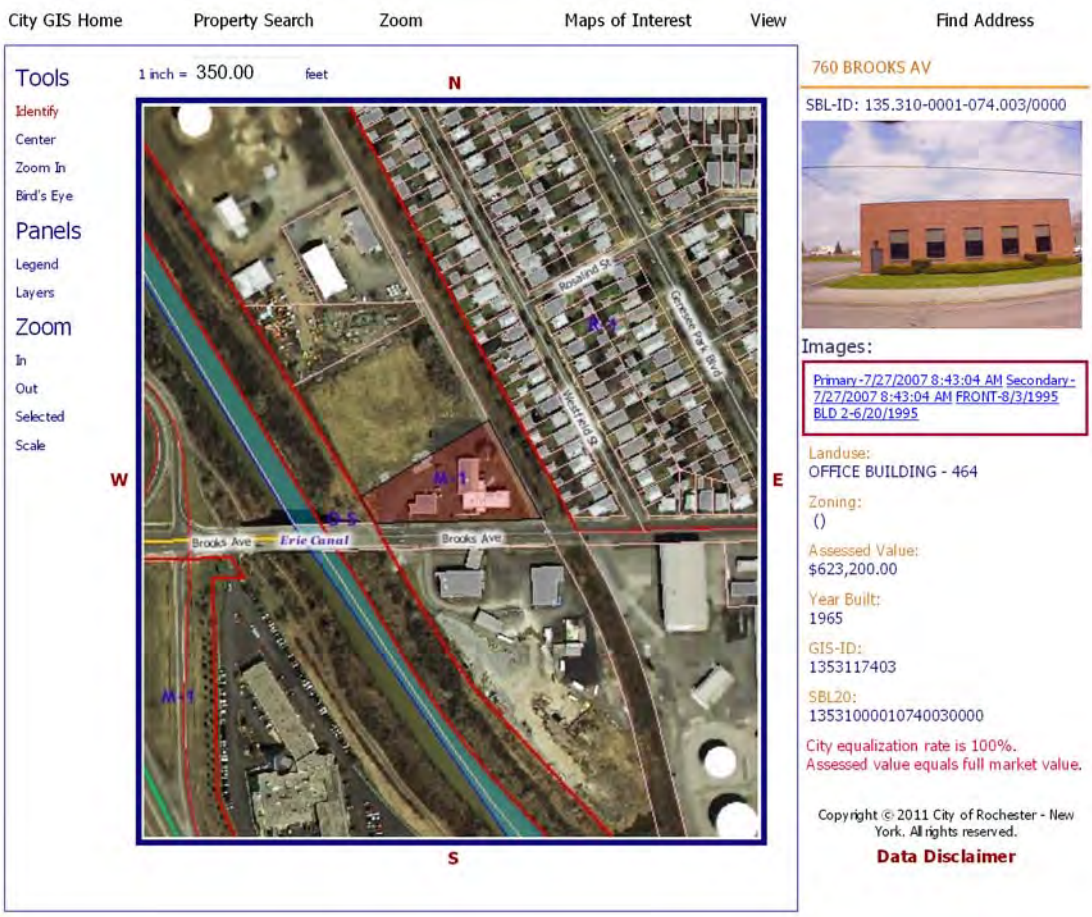
Qualifiers:

.	Results reported are not blank corrected	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected at or below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

APPENDIX C
CITY OF ROCHESTER, NY GIS INFORMATION

Online Geographic Information System (GIS)

Through this resource you can view, create, and print maps, search and view tax parcel data, tax bill and water billing information. The data is updated daily.



SEE ALSO

Real Estate/Housing/City Property

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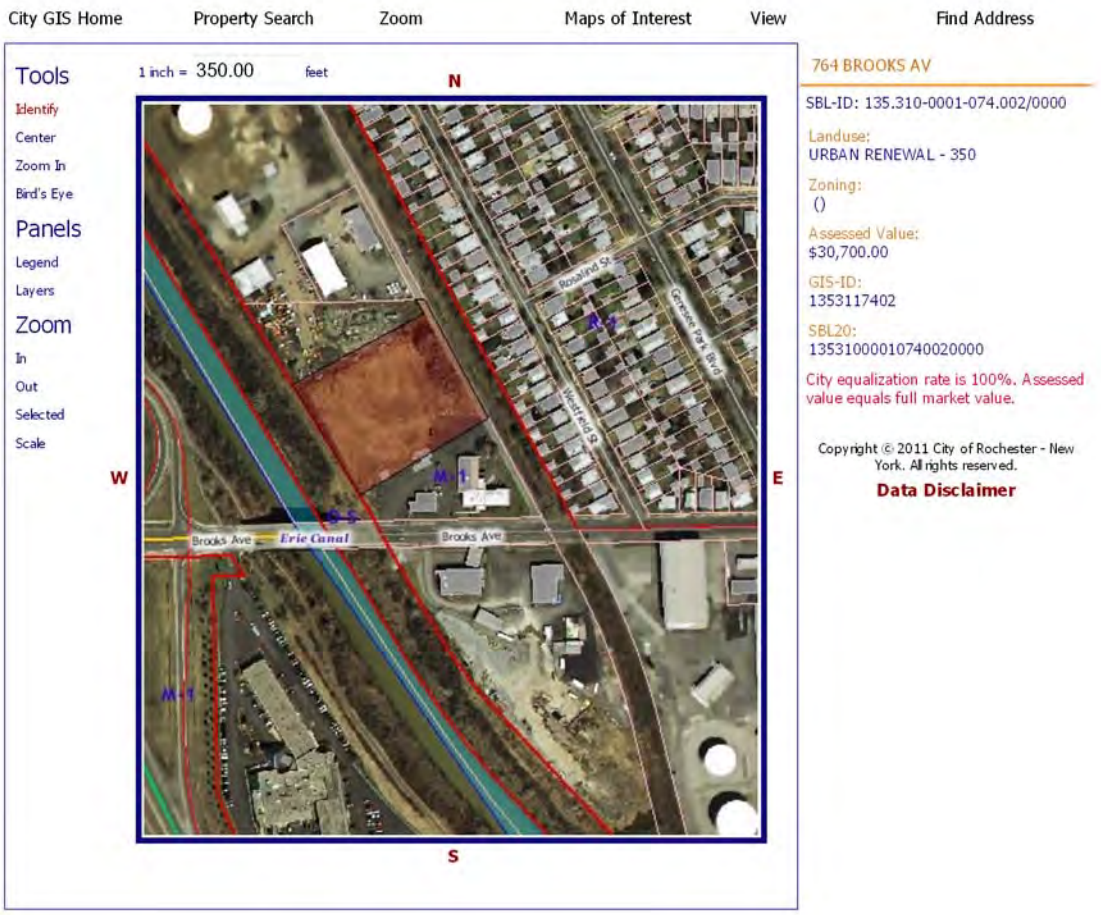

SEE ALSO

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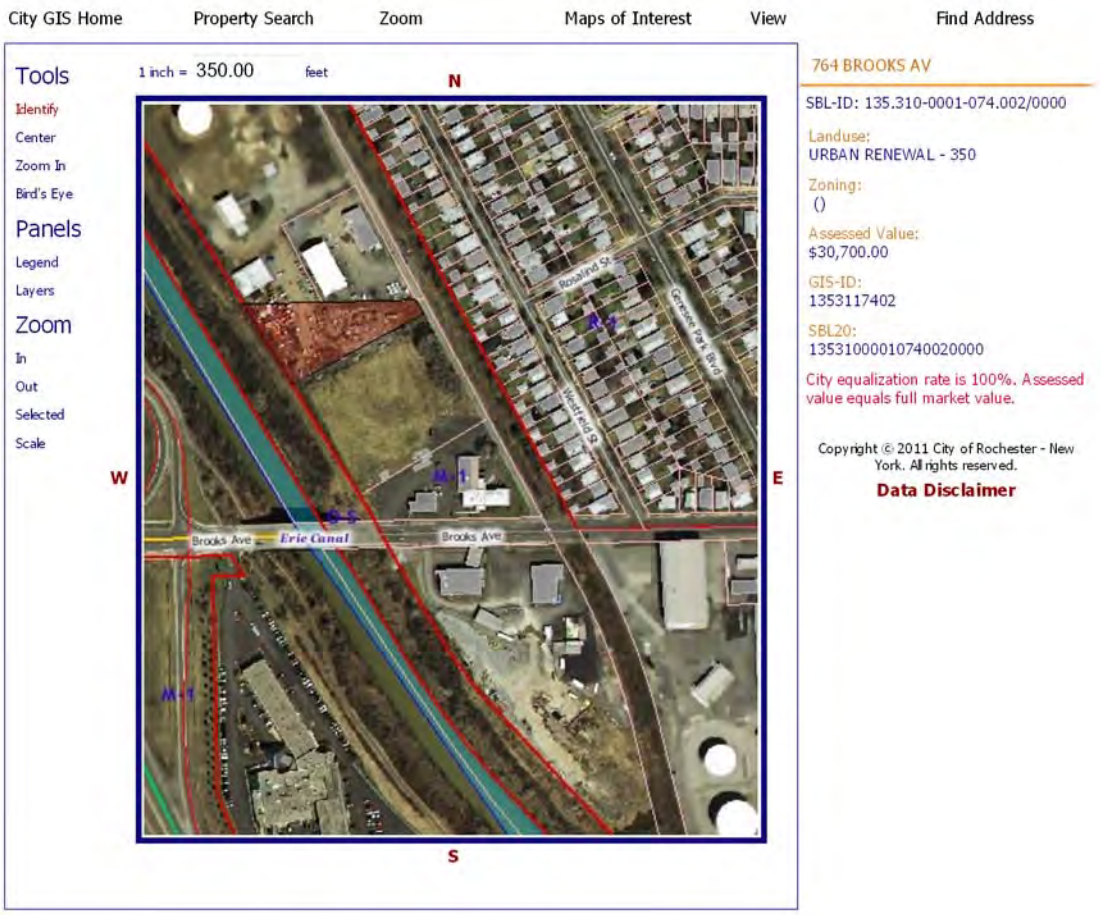

SEE ALSO

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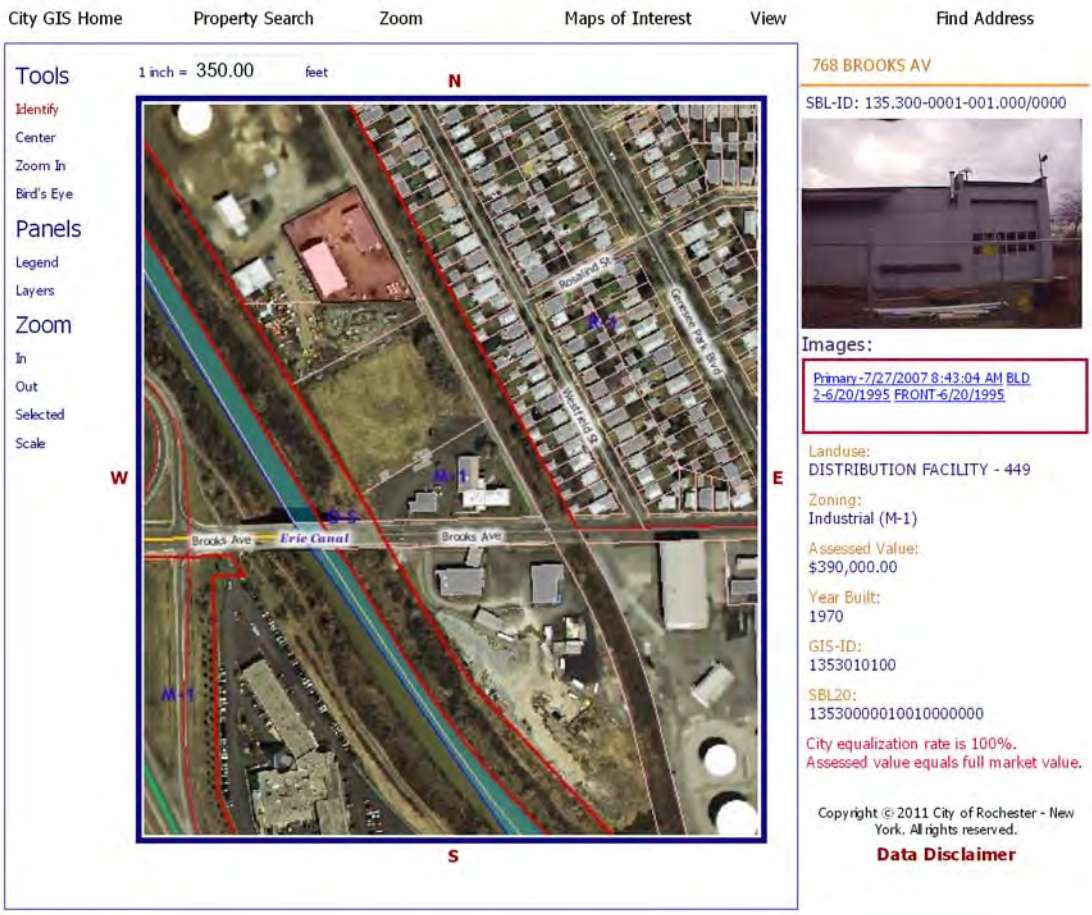

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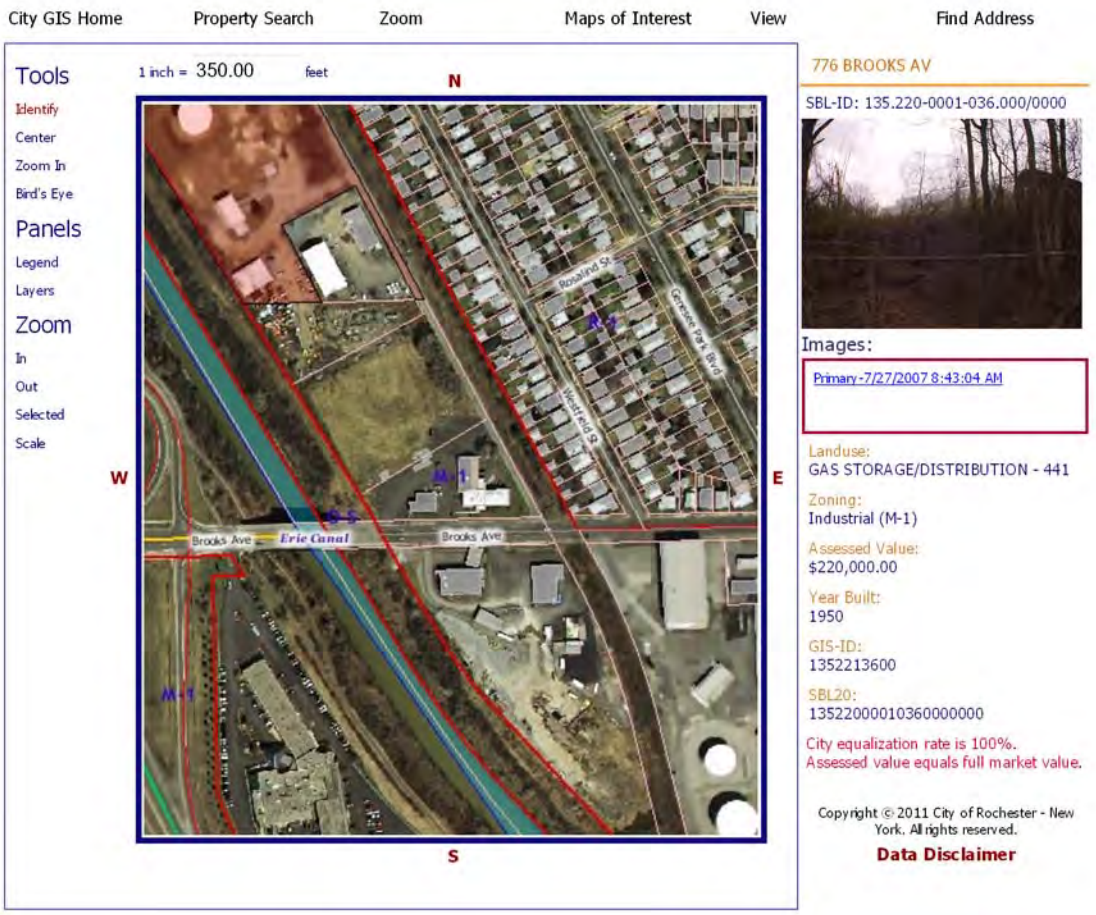

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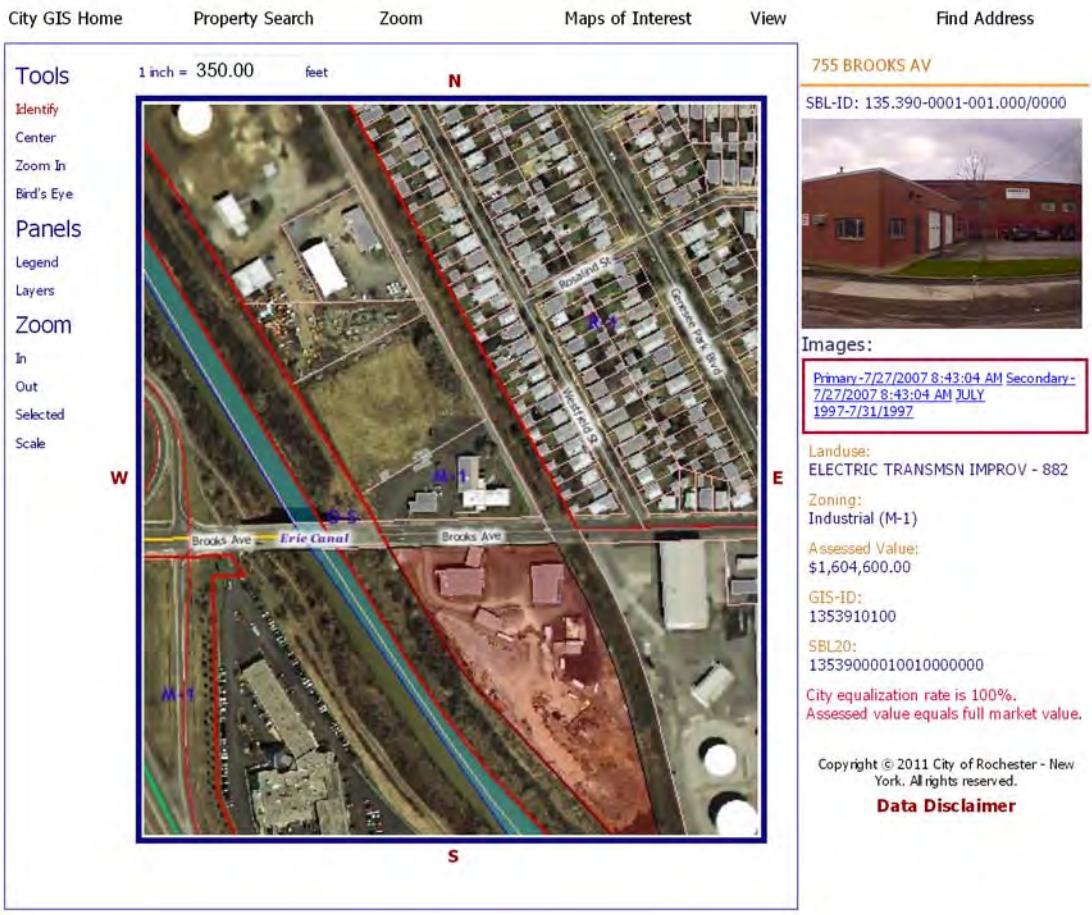

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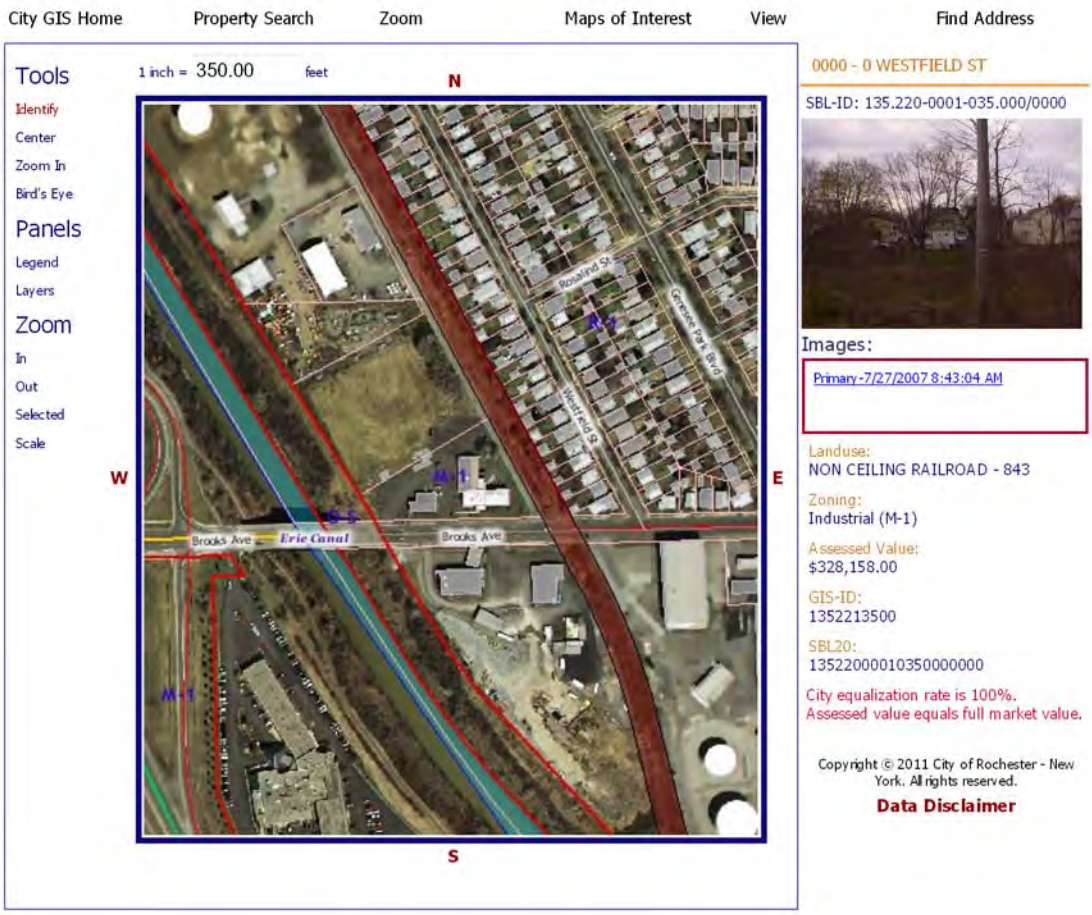

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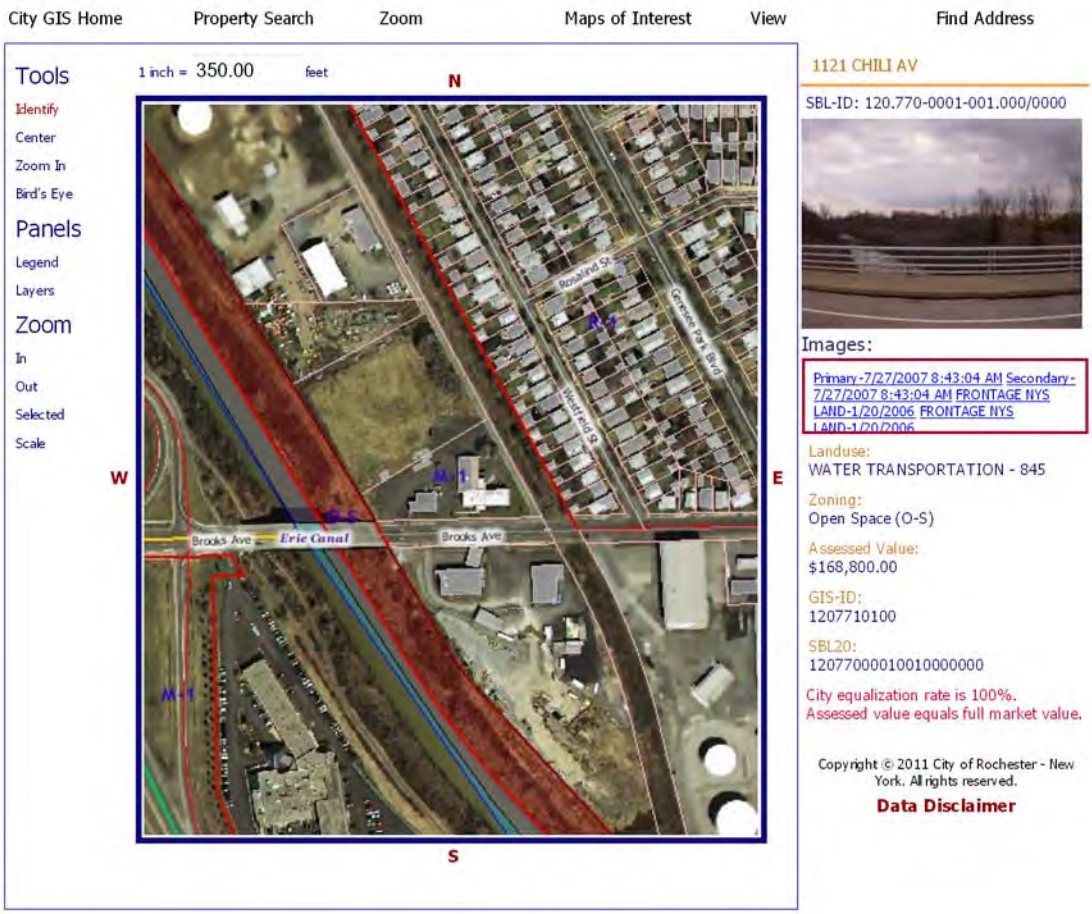

SEE ALSO

Real Estate/Housing/City Property

SUBSURFACE INVESTIGATION REPORT

MATRIX ENVIRONMENTAL TECHNOLOGIES INC.

OCTOBER 30, 2012

MATRIX
ENVIRONMENTAL TECHNOLOGIES INC.
3730 California Road
P.O. Box 427
Orchard Park, NY 14127-0427
p: 716.662.0745
f: 716.662.0946
www.matrixbiotech.com

October 30, 2012

Mr. Peter Miller
NYSDEC - Region 8
6274 East Avon-Lima Road
Avon, New York 14414-9519

RE: Subsurface Investigation Report
Former Sunoco/Griffith Energy Bulk Petroleum Terminal
760 Brooks Avenue
Rochester, NY
Duns# 0090-5828
NYSDEC Spill #00-05282

Dear Mr. Miller:

Matrix Environmental Technologies Inc. (METI), on behalf of Sunoco, Inc. (R&M) and Superior Plus Energy Services, Inc. completed a subsurface investigation at the above referenced site in June 2012. The investigation was completed in accordance with the work plan submitted to your office on April 27, 2012. Recommendations for additional activities are included.

Please contact METI should you have any questions or require any additional information.

Sincerely,

MATRIX ENVIRONMENTAL TECHNOLOGIES INC.

D. Robert Gill, C.P.G.
Project Manager

Craig D. Zink, C.P.G., P.G.
Senior Project Manager

Enclosure

cc: Kinyorda Sliwiak, Sunoco, Inc.
Tim DeReamer, Superior Plus Energy Services, Inc.

SUBSURFACE INVESTIGATION REPORT

Former Bulk Petroleum Terminal
760 Brooks Avenue
Rochester, NY
DUNS# 0090-5828
NYSDEC Spill #00-05282
METI Project #11-031

October 30, 2012

Prepared For:

Mrs. Kinyorda D. Sliwiak
Sunoco, Inc. (R&M)
1109 Milton Avenue
Syracuse, NY 13204

Prepared By:

3730 California Road
Orchard Park, New York 14127
716.662.0745

D. Robert Gill, C.P.G.
Project Manager

Craig D. Zink, C.P.G., P.G.
Senior Project Manager

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CHARTS

SOIL BORING LOGS

APPENDICES

1.0 INTRODUCTION

1.1 Authorization

Matrix Environmental Technologies Inc. (METI) was authorized by Mrs. Kinyorda Sliwiak of Sunoco, Inc. (R&M) and Mr. Tim DeReamer of Superior Plus Energy Services, Inc. to perform a subsurface investigation at the former Bulk Petroleum Terminal, 760 Brooks Avenue, Rochester, New York (Site).

1.2 Objective

The objectives for the investigation:

- define the extent of VOC impacts in soil and overburden groundwater between former petroleum storage areas and the Erie Canal;
- define groundwater flow direction in the shallow bedrock aquifers;
- evaluate LNAPL thickness and recovery in the *shallow* bedrock aquifer;
- evaluate the capacity of the shallow bedrock aquifer and possible hydraulic influence between wells.

The results of the investigation were used to develop future actions for the project with respect to remedial activities and goals for spill inactive status.

1.3 Scope of Work

The subsurface investigation proceeded as detailed below:

- Contacted Dig Safely New York to mark out site utilities. Hand-cleared each soil boring location to a depth of 5-feet below ground surface (bgs).

- Drilled two soil borings and collected continuous soil samples using a drilling rig, hollow stem augers and Marco-core samplers.

- Observed soil samples for evidence of petroleum impact, classified the soil type, screened for volatile organic compounds (VOCs) using an organic vapor meter (OVM), and containerized for potential laboratory analysis.

- Submitted one soil sample from each boring for laboratory analysis for New York State Department of Environmental Conservation (NYSDEC) CP-51[1] list compounds using EPA Method 8260.

- Coordinated and supervised a site survey. Wells and features from the property located south of the Site at 755 Brooks Avenue were tied into the survey.

- Completed a full round of groundwater elevation gauging and sampling of onsite wells screened in overburden soils and shallow bedrock aquifer. Select wells on the

[1] NYSDEC Commissioner's Policy CP-51: Soil Cleanup Guidance. October 21, 2010. Page 19, Table 2.

755 Brooks Avenue property were gauged. Water samples were submitted for VOC and SVOC analysis using EPA Methods 8260 and 8270 STARS, respectively. No samples were collected from the 755 Brooks Avenue property wells.

- Performed a LNAPL bail-down test in well MW5-SB to determine actual LNAPL thickness and recharge rate.

- Performed a short-term pumping test in well MW5-SB to determine well capacity and potential hydraulic connection to nearby wells.

- Prepared a comprehensive subsurface investigation report detailing the methods and results of the investigation.

1.4 Site Description and History

The southern portion of the Site consists of two commercial buildings adjacent to Brooks Ave and a paved parking lot. The northern portion consists of a vacant lot with an uneven sand and gravel surface with weeds and other vegetation throughout. The vacant lot was previously used for petroleum bulk storage. Refer to Figure 1 for a Site map.

The Site is bordered by the following:

North – former petroleum bulk storage terminal
South – Brooks Avenue (County Route 204) and Rochester Gas & Electric facility (755 Brooks Avenue)
East – Residential area
West – Pipeline Right-of-Way, narrow, vacant lot with bushes and steep slope adjacent to the Erie Canal.

Previous subsurface environmental investigations have been completed at the Site by METI and others. The primary contaminants are volatile and semi volatile organic compounds (VOCs, SVOCs) in soil, overburden groundwater and the shallow and deep bedrock aquifers. Light non-aqueous phase liquid (LNAPL) is present in the shallow and deep bedrock aquifers. The LNAPL source has not been determined. LNAPL has also been measured at the RG&E property immediately to the south of the Site.

2.0 METHODS OF INVESTIGATION

2.1 Site Preparation

Prior to drilling, METI personnel field-marked two proposed soil boring locations as METI 1 and METI 2. The borings were located at the western edge of the Site. Dig Safely New York was notified to locate buried utilities. On June 13, 2012, METI personnel used compressed air to clear each proposed boring location to a depth of 5 feet below ground surface (bgs).

2.2 Soil Sampling, Testing, and Analysis

Soil samples were obtained on June 13, 2012, with a CME 85 auger drilling rig provided and operated by Nothnagle Drilling of Scottsville, NY. When the desired depth was attained, the drive rods were removed and a 2.125-inch ID, 4-foot long Macrocore soil sampler with an internal acetate sleeve was inserted in its place. With the tip of the sampler set to the bottom of the borehole, a hydraulically-driven hammer was used to advance the sampler its full length. The sampler was removed and opened, and the acetate liner was removed and cut open to expose the soil sample.

All soil samples were observed for petroleum impact (sheen, discoloration, odor, etc.) and the soil type was classified using the Burmister system. The samples were placed in re-sealable plastic bags to allow vapors to accumulate in the headspace. The headspace was then screened for VOCs, expressed in parts per million (ppm), using a Thermo Environmental 580B portable OVM. One soil sample from each soil boring was submitted for laboratory analysis for VOCs and volatile aromatic hydrocarbons using EPA Methods 8260 STARS.

2.3 Site Surveying

METI subcontracted TVGA Consultants to complete a licensed survey and drawing of the Site including locating all monitoring wells, soil borings and measuring the top of well casings to a local geodetic marker. The survey was completed on June 12-13, 2012, under the supervision of METI and included the location and top of casing measurements of wells on the adjacent RG&E property.

2.4 Groundwater Elevation Gauging, Sampling, and Analysis

On June 19, 2012, groundwater elevations in select wells were gauged to the nearest 0.01 foot using a Solinst Model 122 water level indicator. Depth to water was measured from the highest marked point of the well riser. Groundwater elevations were determined by subtracting the measured depth from the surveyed riser elevation.

Groundwater samples were collected from all accessible wells screened in overburden soils and the shallow bedrock aquifer. The wells screened in the deep bedrock aquifer were neither gauged nor sampled. Samples were obtained via dedicated bailers or pre-cleaned, stainless-steel bailers. Groundwater samples were poured into appropriate containers, packed on ice, and submitted under chain of custody protocol for VOC and SVOC laboratory analysis using EPA Methods 8260 and 8270 STARS, respectively.

2.5 LNAPL and Aquifer Testing

On June 12, 2012, METI completed an LNAPL recovery test on bedrock well MW5SB. LNAPL was removed with a bailer and fluid levels were measured with a Solinst interface probe during a short-term recovery period. LNAPL thickness in MW3 SB, the other LNAPL-bearing well, was less than 0.1-feet, therefore testing was completed only at MW5SB.

A specific capacity test was completed at MW5SB on June 12, 2012. A bailer was used to remove 10 gallons of groundwater from the well over a period of 29 minutes. Liquid levels were measured during the recovery period to evaluate the capacity of the well in preparation for the pumping test.

A pumping test was completed at MW5SB on June 28, 2012. A Grundfos Ready Flow 2 submersible pump was placed near the bottom of the well at 42 feet below ground surface (bgs). After an initial start-up period, the well was pumped at a constant rate for 6 hours. Liquid levels in surrounding monitoring wells were measured periodically with an interface probe. Groundwater removed from MW5B was placed into a holding tank and later disposed by New York Environmental Technologies, Inc. at Industrial Oil Tank Service Corp. in Oriskany, New York.

3.0 RESULTS

3.1 Soil Quality

On June 13, 2012, a total of 16 samples from two soil borings, designated METI 1 and 2, were collected, characterized, and inspected for evidence of hydrocarbon impacts. Continuous soil sampling was performed from 4 to 34 feet bgs at METI 1 and 4 to 28 feet bgs at METI 2. Groundwater samples could not be collected from either boring due to a lack of saturated soils. A site plan identifying boring locations and soil VOC concentrations is included as **Figure 2**.

No observations of impact were identified while sampling soil in boring METI 1. Hydrocarbon odors and OVM measurements above background were noted in boring METI 2 at depths ranging from 12 to 24 feet bgs. The peak OVM measurement was 1,921 ppm at the 12 to 16 foot bgs sample depth interval. OVM measurements are included in the attached **soil boring logs**.

Soil sample analytical results for total VOCs were below detection limits in boring METI 1 and 47,924 micrograms per kilogram (µg/kg) in METI 2 (15' – 16'). Exceedences of NYSDEC CP-51 Soil Cleanup Objective values (SCOs) were noted in METI 2 for the following compounds: ethylbenzene, 1,2,4-trimethylbenzene and xylenes. Naphthalene was detected in METI 2 at 1,480 µg/kg, which is below the SCO value of 12,000 µg/kg. MTBE was not detected in either sample. In comparison to NYSDEC Part 375 residential soil cleanup values, the sample from METI 2 was below the referenced guidance values.

Refer to **Table 1** for a summary of the soil sample analytical results. A copy of the laboratory analytical report is included as **Appendix B**.

3.2 Groundwater Elevations and Quality

Overburden Groundwater

Groundwater elevation gauging was completed on June 19, 2012, with the results summarized in **Table 2**. Depth to groundwater in the Site overburden wells ranged from 9.24 (MW-11 O) to 35.80 (MWB) feet bgs. No LNAPL was detected in any of the overburden wells. Wells MW-2 O, MW-15 O, and MW-17 O were dry, and well MWC could not be located. Groundwater elevations varied across the Site with no distinctive flow direction. Depth to groundwater in the offsite overburden wells ranged from 2.05 to 29.43 feet bgs. Refer to Figure 3 for a site map identifying overburden wells, elevations, and contaminant concentrations.

Groundwater samples from the overburden wells were collected and submitted for VOC (**Table 3**) and SVOC (**Table 4**) analyses and the results compared to NYSDEC groundwater Standards. Of the 14 VOC samples, 12 were non detect including sample MW5 O, which contained MTBE only at 11.2 µg/L. Both samples MW10 O and MW14 O contained benzene only at 2.7 and 1.0 µg/L, respectively. The VOC concentration in sample MW16 O totaled 5,538.8 µg/L and contained multiple individual VOCs above Standards. MW16 O is located on the northern end of the Site near well MW8 which was non detect for VOCs.

A total of 13 samples were submitted for SVOC analysis. No sample was submitted from well MWB due to an insufficient water volume at the time of sampling. Sample MW14 O contained seven individual SVOCs above Standards, with a total SVOC concentration of 172.4 µg/L. All other compounds for the remaining samples were non detect.

Shallow Bedrock

Depth to groundwater in the Site shallow bedrock ranged from 25.57 (MW-14B) to 40.18 (MW4-SB) feet bgs. Well MW16 SB was dry and well MW2 SB could not be located. LNAPL thicknesses of 0.41 and 0.38 feet were detected in wells MW-3SB and MW-5SB, respectively. Groundwater flow direction is fairly consistent, aside from well MW14 SB, and appears to be northwest. Refer to **Figure 4** for a site map indicating groundwater elevations and flow direction in the shallow bedrock aquifer. An LNAPL thickness of 0.15 feet was detected in offsite wells MW8, which, based on the June 19, 2012 data, is located hydraulically upgradient of the Site.

Due to the presence of LNAPL, groundwater samples were not collected from wells MW-3SB and MW-5SB. No samples were collected from offsite wells. Groundwater VOC analytical results identified naphthalene only in sample MW15 SB at 329 µg/L, above the Standard of 10 µg/L. Only sample MW14 SB contained detectable SVOCs, with six compounds identified above Standards. The SVOC concentration totaled 59.7 µg/L. No SVOCs from the remaining samples were identified above detection limits.

3.3 LNAPL Recovery Test

Results of the LNAPL recovery test are shown in **Table 5** and **Chart 1**. In reference to these data, following the removal of LNAPL, the thickness stabilized between 0.31 to 0.39 feet. This value is representative of the LNAPL thickness in the bedrock fractures and/or bedding planes.

3.4 Aquifer Testing

The specific capacity test indicated the yield of the well was low at 0.44 gallons per minute (gpm) per foot of drawdown. Liquid level readings and calculations are included in **Table 6**.

Based on the results of the specific capacity test, a lower capacity pump was used for the pumping test. To maintain a consistent drawdown level between four and five feet, the pumping rate was adjusted to 0.42 gpm throughout the majority of the pumping test. The pumping level stabilized at approximately 39.9 feet below top of casing amounting to 4.85 feet of drawdown (**Chart 2**). Approximately 110 gallons were removed from the well MW5SB during the test. A summary of the liquid level measurements obtained during the pumping test is presented in **Table 7**.

The change in liquid levels in overburden and shallow bedrock monitoring wells ranged from no change (0.00 feet) to a maximum of 0.05 feet in wells MW6SB and MW10 SB. These wells are located approximately 62 and 128 feet from wells MW5 SB.

4.0 CONCLUSIONS

The additional soil borings completed along the western portion of the site confirm previous findings and complete the delineation of VOC impact to soil. Data suggests that VOC impacts in soil are contained within the property boundaries. Further, the lack of saturated soils in the both borings and large variability in the overburden groundwater elevations confirms a perched condition without a discernible flow pattern. Results of the June 2012 groundwater sampling event confirm the absence of overburden groundwater VOC impacts except in one isolated area (MW16 O).

Dissolved phase hydrocarbon impacts in the shallow bedrock aquifer are limited to low levels of SVOCs in one area (MW14 SB). The June 2012 groundwater elevation data compiled from the recent licensed survey of the Site and neighboring property is consistent with previous findings. Groundwater flow direction in the shallow bedrock is to the northwest. The occurrence of LNAPL is isolated to two wells and of marginal thickness. LNAPL was confirmed in a shallow bedrock well at the upgradient property (755 Brooks Ave.), again, at a marginal thickness.

Based on the results of the pumping test, the shallow bedrock aquifer has minimal yield, and little connectivity through fracture flow. Although hydraulic influence was measured

in two nearby wells, the amount of influence was minimal and there was no pattern with respect to orientation or distance.

Although a short term pumping test did not identify immediate hydraulic influence in the shallow bedrock aquifer, the migration of LNAPL from an upgradient source would likely take multiple years based on the poor yield of the aquifer.

No additional soil or groundwater investigation is necessary in the overburden, shallow or deep bedrock aquifers. Further, an evaluation of site data using NYSDEC CP-51 guidelines indicates that remediation of overburden soil is not necessary (as reported by METI, Remedial Action Plan, February 2011).

5.0 RECOMMENDATIONS

Since overburden soil and groundwater impacts are defined and considered stable, and dissolved phase VOC impacts in the shallow bedrock are minimal, a Remedial Action Plan should be developed that focuses solely on LNAPL recovery from wells MW3 SB and MW5 SB. Considerations for the remedial design should incorporate aquifer characteristics such as low yield, lack of fracture connectivity, and isolated locations of LNAPL impacts.

6.0 LIMITATIONS

This report is based on a limited number of soil and groundwater samples and chemical analyses. The conclusions presented in this report are based only on the observations made during this investigation and data provided by others. The report presents a description of the subsurface conditions observed at each boring location during this investigation. Subsurface conditions may very significantly with time, particularly with respect groundwater elevations and quality. Conclusions and recommendations set forth are applicable only to the facts and conditions at the time of this investigation.

In performing professional services, METI uses the degree of care and skill exercised under similar circumstances by members of the environmental profession practicing in the same or similar locality under similar conditions.

The standard of care shall be judged exclusively as of the time these services are rendered and not according to later standards. METI makes no express or implied warranty beyond its conformance to this standard. METI shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed for this report. METI believes that all information contained in this report is factual; however no guarantee is made or implied.

TABLES

TABLE 1

SOIL VOC CONCENTRATIONS
EPA METHOD 8260 STARS (µG/kg)
FORMER TERMINAL
760 BROOKS AVENUE
ROCHESTER, NY

June 13, 2012

Compound	NYSDEC CP-51 SCG	375 RESIDENTIAL	METI 1 10'-12'	METI 2 15'-16'
Benzene	60	2,900	ND	ND
n-Butylbenzene	12,000	NA	ND	673
sec-Butylbenzene	11,000	100,000	ND	400
tert-Butylbenzene	5,900	100,000	ND	ND
Ethylbenzene	1,000	30,000	ND	**1,460**
Isopropylbenzene	3,900	100,000	ND	729
p-Isopropyltoluene	2,300	NA	ND	ND
n-Propylbenzene	10,000	NA	ND	3,500
Toluene	700	100,000	ND	ND
1,2,4-Trimethylbenzene	3,600	47,000	ND	**20,100**
1,3,5-Trimethylbenzene	8,400	47,000	ND	6,300
m,p-Xylene	-	-	ND	6,980
o-Xylene	-	-	ND	402
Xylene (total)	260	100,000	ND	**7,380**
TOTAL STARS VOCs	-	NA	ND	47,924

MTBE	930	62,000	ND	ND
Naphthalene	12,000	NA	ND	1,480

Table 2

Groundwater Elevation Data Summary
Former Terminal
760 Brooks Avenue
Rochester, New York

June 19, 2012

TYPE	Well ID	Well Elevation (ft)	Depth to LNAPL	Depth to Water	LNAPL Thickness	Adj. Depth to Groundwater	Groundwater Elevations
WELLS SCREENED IN OVERBURDEN SOILS	MWA	549.60		28.27		28.27	521.33
	MWB	551.10		35.80		35.80	515.30
	MWC	*could not be located*					
	MW-2 O	548.28	DRY			DRY	DRY
	MW-3 O	548.64		21.40		21.40	527.24
	MW-4 O	553.16		11.72		11.72	541.44
	MW-5 O	551.67		9.25		9.25	542.42
	MW-6 O	550.90		10.85		10.85	540.05
	MW-8 O	550.51		12.79		12.79	537.72
	MW-9 O	551.34		11.64		11.64	539.70
	MW-10 O	551.22		11.21		11.21	540.01
	MW-11 O	548.56		9.24		9.24	539.32
	MW-12 O	550.02		10.91		10.91	539.11
	MW-13 O	548.73		10.1		10.10	538.63
	MW-14 O	548.89		19.94		19.94	528.95
	MW-15 O	550.63		DRY		DRY	DRY
	MW-16 O	547.05		10.91		10.91	536.14
	MW-17 O	546.80		DRY		23.64	523.16
SHALLOW BEDROCK	MW-2 B	*could not be located*					
	MW-3 SB	548.79	28.21	28.62	0.41	28.29	520.50
	MW-4 SB	553.33		40.18		40.18	513.15
	MW-5 SB	551.75	34.82	35.20	0.38	34.90	516.85
	MW-6 SB	550.66		34.12		34.12	516.54
	MW-8 SB	549.75		37.99		37.99	511.76
	MW-9 SB	551.02		38.8		38.80	512.22
	MW-10 SB	550.38		37.71		37.71	512.67
	MW-11 SB	548.04		29.94		29.94	518.10
	MW-14 SB	549.15		25.57		25.57	523.58
	MW-15 SB	550.09		38.78		38.78	511.31
	MW-16 SB	548.12		DRY		DRY	DRY
	MW-17 SB	546.63		35.19		35.19	511.44
DEEP BEDROCK	MW-3 DB	548.42		NG		NG	NG
	MW-4 DB	553.26		NG		NG	NG
	MW-5 DB	552.05		NG		NG	NG
	MW-6 DB	551.11		NG		NG	NG

Table 2

Groundwater Elevation Data Summary
Former Terminal
760 Brooks Avenue
Rochester, New York

June 19, 2012

TYPE	Well ID	Well Elevation (ft)	Depth to LNAPL	Depth to Water	LNAPL Thickness	Adj. Depth to Groundwater	Groundwater Elevations
	OFFSITE WELLS						
OVERBURDEN	MW1	551.97		21.99		21.99	529.98
OVERBURDEN	MW4	554.96		29.43		29.43	525.53
OVERBURDEN	MW5	551.61		3.98		3.98	547.63
OVERBURDEN	MW6S	549.59		2.05		2.05	547.54
OVERBURDEN	MW7S	550.02		2.70		2.70	547.32
BR	MW6D	549.70		37.95		37.95	511.75
BR	MW8	554.50	27.75	27.90	0.15	27.78	526.72

O = groundwater monitoring well screened in overburden soil (includes wells MWA, MWB, MWC)
SB = groundwater monitoring well screened in sahllow bedrock
DB = groundwater monitoring well screened in deep bedrock

TABLE 3

GROUNDWATER VOC CONCENTRATION SUMMARY
EPA METHOD 8260 STARS (µg/L)
FORMER TERMINAL
760 BROOKS AVENUE
ROCHESTER, NY

JUNE 19, 2012

		OVERBURDEN WELLS					
Compound	**Standards**	**MWA**	**MWB**	**MW3 O**	**MW4 O**	**MW5 O**	**MW6 O**
Benzene	1	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
m,p-Xylene	5	ND	ND	ND	ND	ND	ND
o-Xylene	5	ND	ND	ND	ND	ND	ND
Xylene (total)	5	ND	ND	ND	ND	ND	ND
TOTAL STARS VOCs	-	ND	ND	ND	ND	ND	ND
MTBE	10	ND	ND	ND	ND	**11.2**	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND

TABLE 3

GROUNDWATER VOC CONCENTRATION SUMMARY
EPA METHOD 8260 STARS (µg/L)
FORMER TERMINAL
760 BROOKS AVENUE
ROCHESTER, NY

JUNE 19, 2012

		OVERBURDEN WELLS							
Compound	**Standards**	**MW8 O**	**MW9 O**	**MW10 O**	**MW11 O**	**MW12 O**	**MW13 O**	**MW14 O**	**MW16 O**
Benzene	1	ND	ND	**2.70**	ND	ND	ND	**1.00**	**2.0**
n-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	**821.0**
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND	ND	**44.9**
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND	**18.7**
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND	ND	**87.1**
Toluene	5	ND	ND	ND	ND	ND	ND	ND	**4.7**
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	**1,210.0**
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	**357.0**
m,p-Xylene	5	ND	ND	ND	ND	ND	ND	ND	**1,460.0**
o-Xylene	5	ND	ND	ND	ND	ND	ND	ND	**33.4**
Xylene (total)	5	ND	ND	ND	ND	ND	ND	ND	**1,500.0**
TOTAL STARS VOCs	-	ND	ND	2.70	ND	ND	ND	1.00	5,538.8
MTBE	10	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 3

GROUNDWATER VOC CONCENTRATION SUMMARY
EPA METHOD 8260 STARS (µg/L)
FORMER TERMINAL
760 BROOKS AVENUE
ROCHESTER, NY

JUNE 19, 2012

		SHALLOW BEDROCK								
Compound	**Standards**	**MW4 SB**	**MW6 SB**	**MW8 SB**	**MW9 SB**	**MW10 SB**	**MW11 SB**	**MW14 SB**	**MW15 SB**	**MW17 SB**
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL STARS VOCs	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	10	ND	ND	ND	ND	ND	ND	ND	1.10	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND	ND	**329**	ND

TABLE 4

GROUNDWATER SVOC CONCENTRATION SUMMARY
EPA METHOD 8270 STARS (µg/L)
FORMER TERMINAL
760 BROOKS AVENUE
ROCHESTER, NY

JUNE 19, 2012

		OVERBURDEN WELLS						
Compound	**Standards**	**MWA**	**MWB**	**MW3 O**	**MW4 O**	**MW5 O**	**MW6 O**	**MW8 O**
Acenaphthene	20	ND	NA	ND	ND	ND	ND	ND
Acenaphthylene		ND	NA	ND	ND	ND	ND	ND
Anthracene	50	ND	NA	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	ND	NA	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.002	ND	NA	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	ND	NA	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	5	ND	NA	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	ND	NA	ND	ND	ND	ND	ND
Chrysene	0.002	ND	NA	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	50	ND	NA	ND	ND	ND	ND	ND
Fluoranthene	50	ND	NA	ND	ND	ND	ND	ND
Fluorene	50	ND	NA	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ND	NA	ND	ND	ND	ND	ND
Naphthalene	10	ND	NA	ND	ND	ND	ND	ND
Phenanthrene	50	ND	NA	ND	ND	ND	ND	ND
Pyrene	50	ND	NA	ND	ND	ND	ND	ND
TOTAL STARS SVOCs	-	ND	NA	ND	ND	ND	ND	ND

TABLE 4

GROUNDWATER SVOC CONCENTRATION SUMMARY
EPA METHOD 8270 STARS (µg/L)
FORMER TERMINAL
760 BROOKS AVENUE
ROCHESTER, NY

JUNE 19, 2012

		OVERBURDEN WELLS						
Compound	**Standards**	**MW9 O**	**MW10 O**	**MW11 O**	**MW12 O**	**MW13 O**	**MW14 O**	**MW16 O**
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene		ND	ND	ND	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND	**6.1**	ND
Benzo(a)pyrene	0.002	ND	ND	ND	ND	ND	**4.7**	ND
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND	**7.5**	ND
Benzo(g,h,i)perylene	5	ND	ND	ND	ND	ND	**3.0**	ND
Benzo(k)fluoranthene	0.002	ND	ND	ND	ND	ND	**2.2**	ND
Chrysene	0.002	ND	ND	ND	ND	ND	**6.0**	ND
Dibenzo(a,h)anthracene	50	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	**17.8**	ND
Fluorene	50	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	ND	**2.5**	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND	-
Phenanthrene	50	ND	ND	ND	ND	ND	**110.0**	ND
Pyrene	50	ND	ND	ND	ND	ND	**12.6**	ND
TOTAL STARS SVOCs	-	ND	ND	ND	ND	ND	**172.40**	ND

TABLE 4

GROUNDWATER SVOC CONCENTRATION SUMMARY
EPA METHOD 8270 STARS (µg/L)
FORMER TERMINAL
760 BROOKS AVENUE
ROCHESTER, NY

JUNE 19, 2012

		SHALLOW BEDROCK								
Compound	**Standards**	**MW4 SB**	**MW6 SB**	**MW8 SB**	**MW9 SB**	**MW10 SB**	**MW11 SB**	**MW14 SB**	**MW15 SB**	**MW17 SB**
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene		ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND	ND	**4.7**	ND	ND
Benzo(a)pyrene	0.002	ND	ND	ND	ND	ND	ND	**5.8**	ND	ND
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND	ND	**7.6**	ND	ND
Benzo(g,h,i)perylene	5	ND	ND	ND	ND	ND	ND	**4.6**	ND	ND
Benzo(k)fluoranthene	0.002	ND	ND	ND	ND	ND	ND	**3.3**	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND	**5.1**	ND	ND
Dibenzo(a,h)anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND	**9.5**	ND	ND
Fluorene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	ND	ND	**3.7**	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND	**8.3**	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	**7.1**	ND	ND
TOTAL STARS SVOCs	-	ND	ND	ND	ND	ND	ND	**59.70**	ND	ND

Table 5
LNAPL Recovery Test (MW5 SB)

Former Bulk Petroleum Terminal
760 Brooks Ave.
Rochester, NY

June 13, 2012

Time	Elapsed Time (min.)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Adj. Depth to Water (ft)	Adj. Groundwater Elevation (ft) ^
8:15	0	34.68	39.92	5.24	35.73	516.59
8:26	11	35.35	35.51	0.16	35.38	516.94
8:32	17	34.97	35.05	0.08	34.99	517.33
8:47	32	34.88	35.19	0.31	34.94	517.38
9:06	51	34.86	35.18	0.32	34.92	517.40
9:36	81	34.85	35.18	0.33	34.92	517.40
11:20	185	34.82	35.21	0.39	34.90	517.42
14:05	350	34.82	35.21	0.39	34.90	517.42

^ - determined by subtracting the adjusted deoth to water measurement from the casing elevation of 552.32 feet.

Table 6
Specific Capacity Test at Well MW5SB
Former Bulk Petroleum Terminal
760 Brooks Ave.
Rochester, NY

Time	Elapsed Time (min.)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Comments
2:05	0:00	34.82	35.21	0.39	Static level (approx. 6 hours after LNAPL recovery test)
2:13	0:08				Removed 5 gallons from the well with a bailer
2:24	0:19	nd	36.01	0.0	
2:26	0:13	nd	35.37	0.0	
2:27	0:22	nd	35.24	0.0	
2:29	0:24				Removed an additional 5 gallons with a bailer
2:42	0:37	nd	35.70	0.0	
2:43	0:38	nd	35.44	0.0	
2:46	0:41	nd	35.16	0.0	
2:49	0:44	nd	35.10	0.0	
2:51	0:46	nd	35.05	0.0	
2:53	0:48	35.00	35.00	film	
2:56	0:51	34.96	34.99	0.03	
2:59	0:54	34.94	34.96	0.02	test completed

nd - not detected

Specific Capacity = flow rate per foot of drawdown = Q/s

Q = gallons per minute, s = drawdown in feet

Q = 10 gallons in 29 minutes = 0.34 gpm
adjusted static water level factoring out influence from LNAPL= 35.21 - 34.82 = 0.39 x 0.75 (LNAPL factor) = 0.29, 35.21-0.29 = 34.92

s= 35.70 - 34.92 = 0.78 feet

Specific Capacity = 0.34/0.78 = 0.44 gpm/foot of drawdown

Table 7
Pumping Test Fluids Gauging Data

Former Terminal

760 Brooks Avenue

Rochester, NY

June 28, 2012

Well ID	Time	DTP	DTW^	Change in Head	LNAPL Thickness
MW3 SB	9:45	28.23	28.33	0.00	0.41
	1:52	28.20	28.29	-0.04	0.35
	3:57	28.20	28.30	-0.03	0.39
	5:00	28.20	28.30	-0.03	0.39
	6:53	28.18	28.28	-0.05	0.40
MW3 O	9:42		21.41	0.00	
	1:53		21.40	-0.01	
	4:00		21.41	0.00	
	5:37		21.40	-0.01	
MW4 SB	9:13		40.09	0.00	
	1:34		40.08	-0.01	
	3:48		40.09	0.00	
	5:26		40.08	-0.01	
MW4 O	9:55		41.93	0.00	
	1:35		41.93	0.00	
	3:48		41.94	0.01	
			41.94	0.01	
MW-5 SB	9:00	34.93	35.50		0.57
MW5 O	9:52		9.95	0.00	
	1:21		9.95	0.00	
	3:50		9.98	0.03	
	5:50		9.98	0.03	
MW6 SB	9:24		33.35	0.00	
	1:26		33.37	0.02	
	3:33		33.39	0.04	
	5:11		33.40	0.05	
	6:47		33.40	0.05	

Table 7
Pumping Test Fluids Gauging Data

Former Terminal

760 Brooks Avenue

Rochester, NY

June 28, 2012

Well ID	Time	DTP	DTW^	Change in Head	LNAPL Thickness
MW6 O	10:03		11.01	0.00	
	1:25		11.03	0.02	
	3:32		11.01	0.00	
	5:10		11.02	0.01	
	6:45		11.02	0.01	
MW7 O	10:15		3.35	0.00	
offsite	2:58		3.36	0.01	
	3:22		3.36	0.01	
MW7 SB	10:16	25.70	26.18	0.00	0.48
offsite	3:03	25.68	26.15	-0.03	0.47
	3:24	25.66	26.13	-0.05	0.47
MW8 SB	9:20		38.17	0.00	
	1:28		38.17	0.00	
	3:36		38.17	0.00	
	5:13		38.17	0.00	
MW8 O	10:03		12.88	0.00	
	1:30		12.88	0.00	
	3:37		12.88	0.00	
	5:14		12.88	0.00	
MW9 SB	9:15		38.83	0.00	
	1:44		38.83	0.00	
	3:46		38.84	0.01	
	5:24		38.84	0.01	
MW9 O	1:45		11.86	0.00	
	3:57		11.86	0.00	
	5:25		11.86	0.00	
MW10 SB	9:18		37.75	0.00	
	1:37		37.75	0.00	
	3:40		37.78	0.03	
	5:18		37.80	0.05	
	6:49		37.80	0.05	

Table 7
Pumping Test Fluids Gauging Data

Former Terminal

760 Brooks Avenue

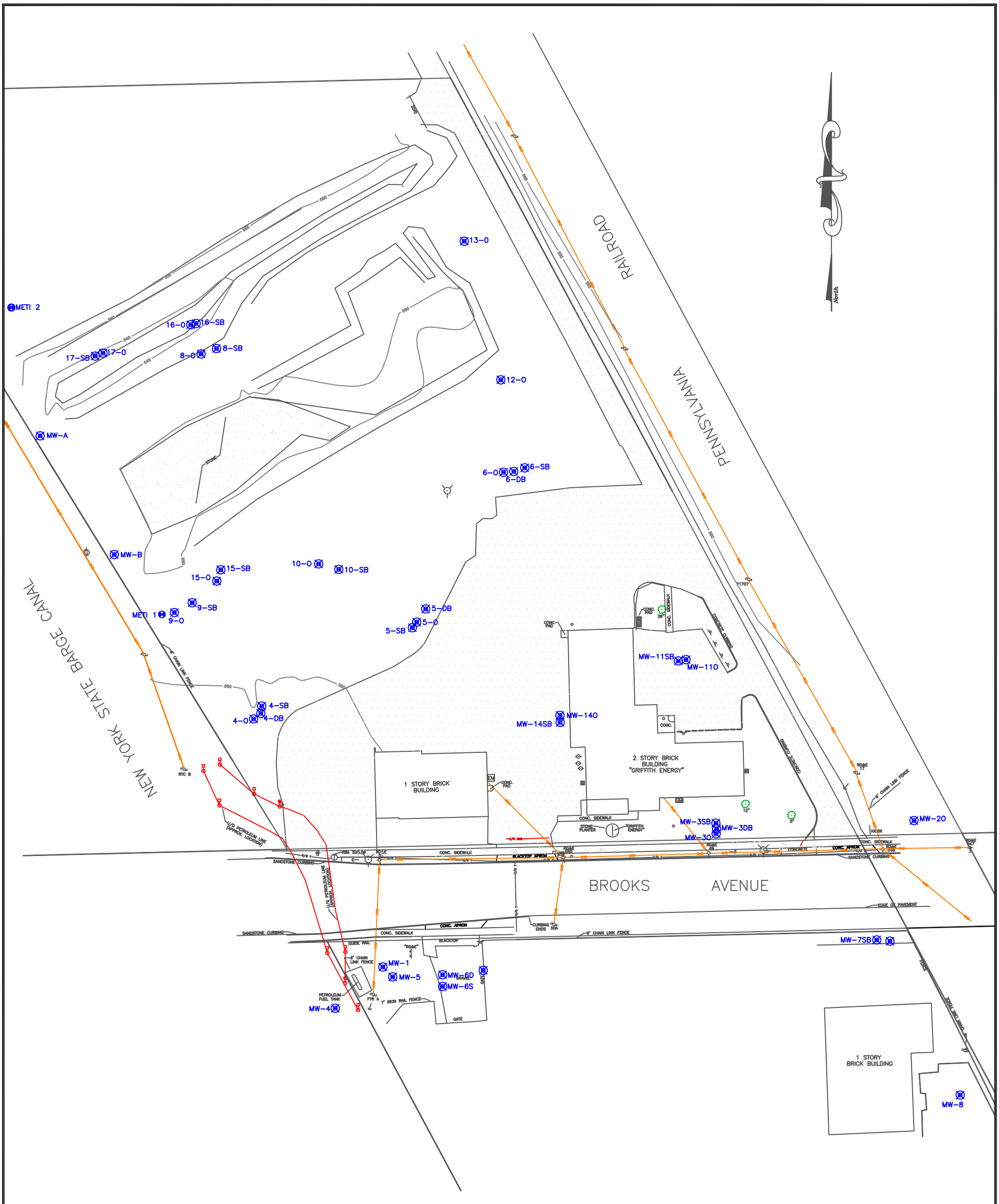
Rochester, NY

June 28, 2012

Well ID	Time	DTP	DTW^	Change in Head	LNAPL Thickness
MW10 O	1:37		11.28	0.00	
	3:41		11.28	0.00	
	5:19		11.27	-0.01	
MW11 SB	9:50		30.19	0.00	
	1:57		30.18	-0.01	
	4:04		30.20	0.01	
	5:45		30.21	0.02	
MW11 O	9:46		9.48	0.00	
	1:55		9.46	-0.02	
	4:01		9:46	-0.02	
	5:43		9:46	-0.02	
MW14 SB	9:40		25.91	0.00	
	1:48		25.88	-0.03	
	3:53		25.88	-0.03	
	5:34		25.88	-0.03	
			\		
MW14 O	9:42		19.89	0.00	
	1:49		19.89	0.00	
	3:54		19.89	0.00	
	5:35		19.89	0.00	
MW15 SB	9:57		38.82	0.00	
	1:32		38.81	-0.01	
	3:43		38.84	0.02	
	5:22		38.83	0.01	
MW15 O	9:56		Dry @ 32.85		
	1:33		Dry @ 32.85		
MW17 SB	10:00		35.26	0.00	
	1:31		35.26	0.00	
	3:38		35.26	0.00	
	5:15		35.25	-0.01	
MW17 O	9:58		23.63	-	

^ - adjusted for LNAPL thickness whan applicable

FIGURES

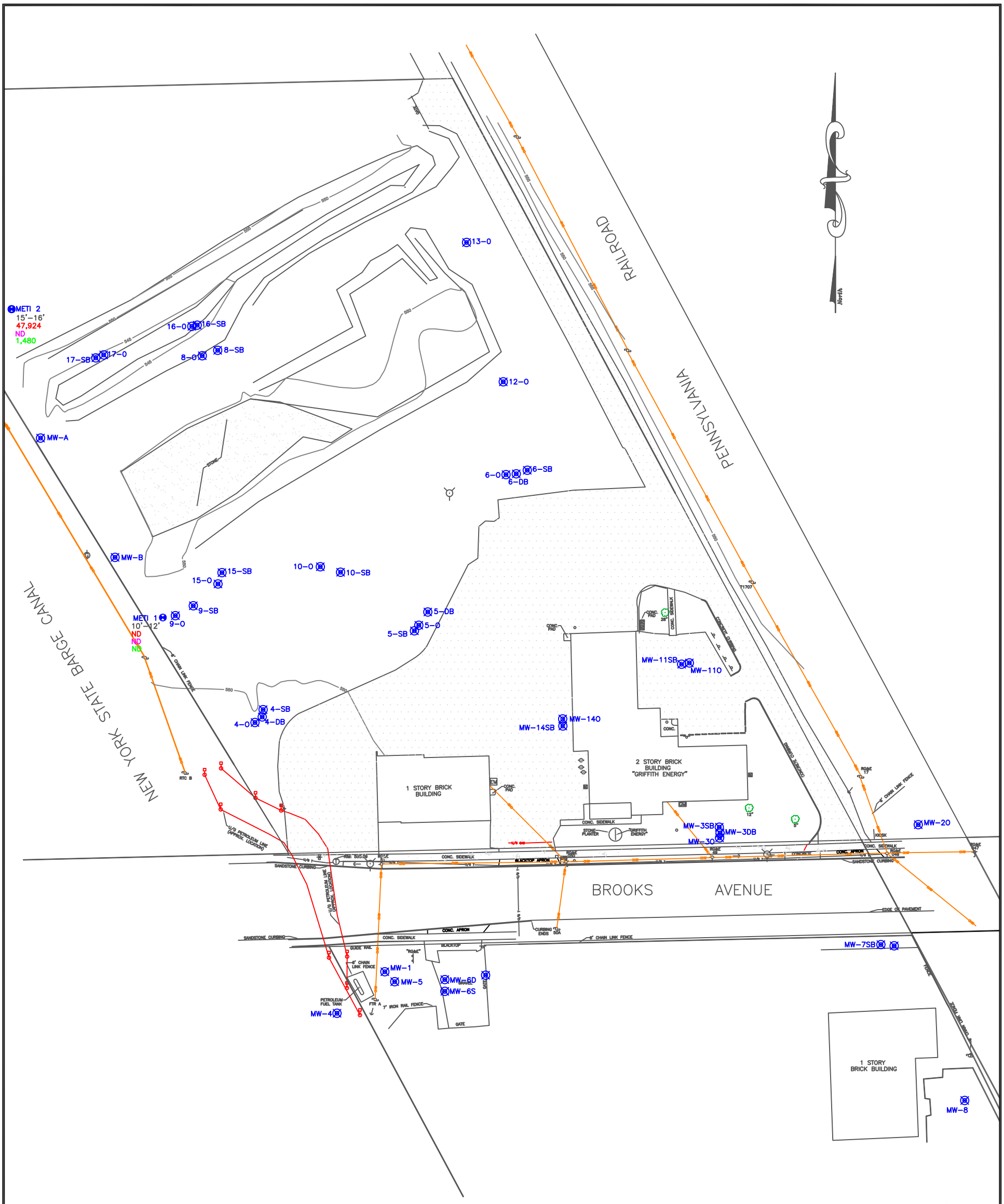


LEGEND

- AC = AIR CONDITIONER UNIT
- = BOLLARD
- = CATCH BASIN
- = CLEAN OUT
- = DECIDUOUS TREE
- G = GAS LINE MARKER
- GM = GAS METER
- = SOIL BORING LOCATION
- = GUY WIRE
- = FIRE HYDRANT
- = LIGHT POLE
- MB = MAIL BOX
- = MONUMENT
- = MONITORING WELL
- = OIL LINE MARKER
- = PARKING BUMPER
- = 1 POST SIGN
- S = SANITARY MANHOLE
- T = TELEPHONE MANHOLE
- ? = UNKNOWN MANHOLE
- = POWER POLE
- = POWER POLE W/ LIGHT
- = POWER POLE W/ LIGHT & TRANSFORMER
- = POWER POLE W/ TRANSFORMER
- = WATER SERVICE BOX
- W = WATER VALVE

PREPARED BY: MATRIX ENVIRONMENTAL TECHNOLOGIES INC.	PROJECT MGR: DRG	PROJECT NAME / LOCATION: FORMER SUNOCO TERMINAL 760 BROOKS AVE. ROCHESTER, NY	TITLE: SITE MAP	REVISION BY: 6/13/12 DATE: TVGA	DATE:
PREPARED FOR: SUNOCO, INC. (R&M) SYRACUSE, NY	DESIGNED BY: TVGA				PROJECT NO.: 05-033
	REVIEWED BY: CDZ				FIGURE: 1
	DRAWN BY: TVGA			SCALE IN FEET: 1"=65' 0 65'	

20 years dedicated to a CLEANER ENVIRONMENT 1991-2011



LEGEND

- AC = AIR CONDITIONER UNIT
- = BOLLARD
- = CATCH BASIN
- = CLEAN OUT
- = DECIDUOUS TREE
- G = GAS LINE MARKER
- GM = GAS METER
- = SOIL BORING LOCATION
- = GUY WIRE
- = FIRE HYDRANT
- = LIGHT POLE
- MB = MAIL BOX
- = MONUMENT
- = MONITORING WELL
- = OIL LINE MARKER
- = PARKING BUMPER
- = 1 POST SIGN
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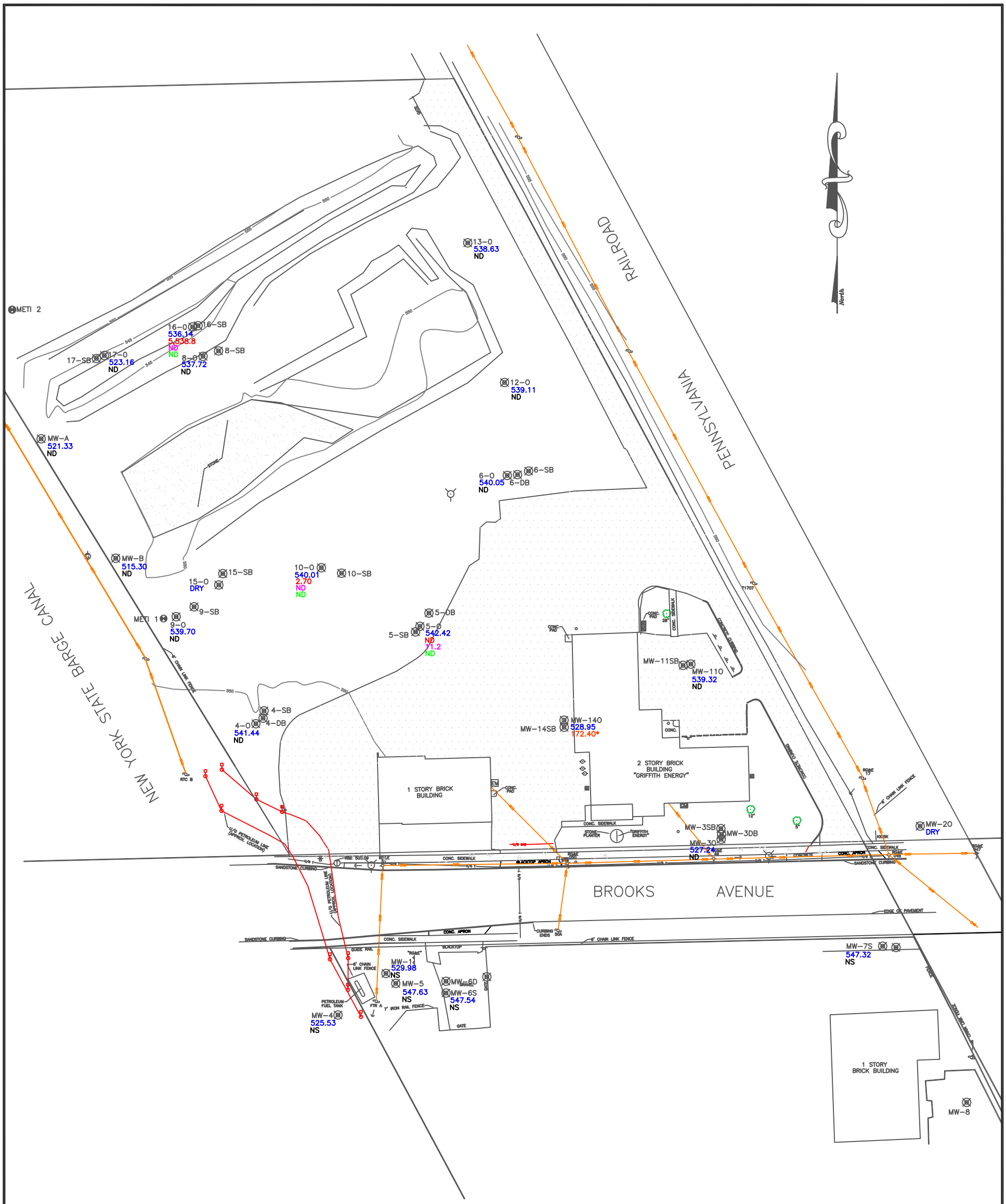
- ? = UNKNOWN MANHOLE
- = POWER POLE
- = POWER POLE W/ LIGHT
- = POWER POLE W/ LIGHT & TRANSFORMER
- = POWER POLE W/ TRANSFORMER
- = WATER SERVICE BOX
- = WATER VALVE

10'–12' = SAMPLE DEPTH INTERVAL
VOCs USING EPA METHOD 8260 STARS (µg/kg)
MTBE (µg/kg)
Naphthalene (µg/kg)
ND = Compound(s) Not Detected

PREPARED BY: MATRIX ENVIRONMENTAL TECHNOLOGIES INC.	PROJECT MGR: DRG	PROJECT NAME / LOCATION: FORMER TERMINAL 760 BROOKS AVE. ROCHESTER, NY	TITLE: SOIL BORING LOCATIONS AND CONTAMINANT CONCENTRATIONS	REVISION BY: 6/13/12 DATE: TVGA	DATE: JUNE 13, 2012
PREPARED FOR: SUNOCO, INC. (R&M) SYRACUSE, NY	DESIGNED BY: TVGA				PROJECT NO.: 05-033
	REVIEWED BY: CDZ				FIGURE: 2
	DRAWN BY: TVGA			SCALE IN FEET: 1"=65' (0 – 65')	

20 years dedicated to a CLEANER ENVIRONMENT 1991-2011



LEGEND

- AC = AIR CONDITIONER UNIT
- = BOLLARD
- = CATCH BASIN
- = CLEAN OUT
- = DECIDUOUS TREE
- = GAS LINE MARKER
- GM = GAS METER
- = SOIL BORING LOCATION
- = GUY WIRE
- = FIRE HYDRANT
- = LIGHT POLE
- MB = MAIL BOX
- = MONUMENT
- = MONITORING WELL
- = OIL LINE MARKER
- = PARKING BUMPER
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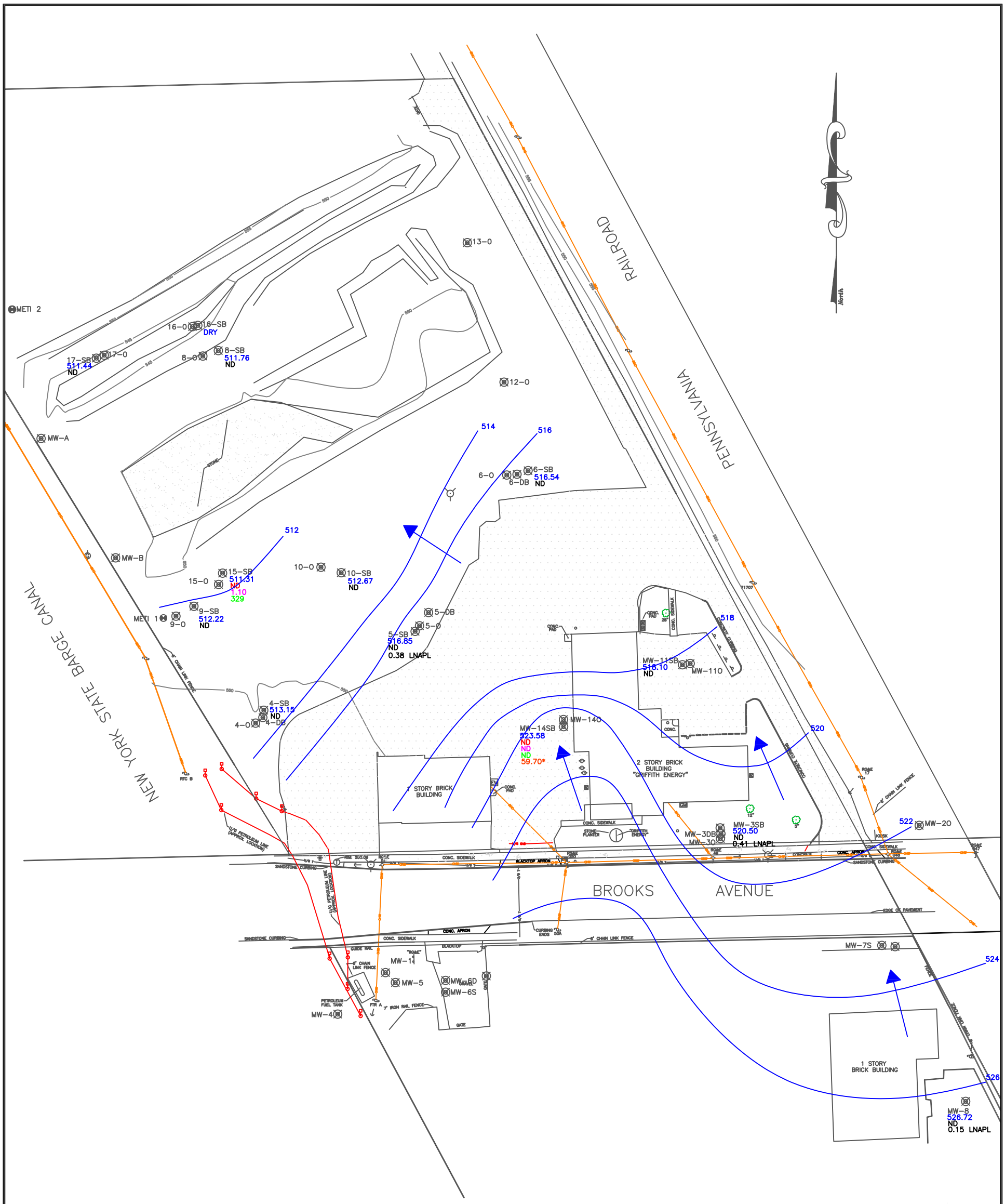
- = POWER POLE W/ LIGHT & TRANSFORMER
- = POWER POLE W/ TRANSFORMER
- = WATER SERVICE BOX
- = WATER VALVE

GROUNDWATER ELEVATION (FT)
VOCs VIA EPA METHOD 8260 STARS (µg/L)
MTBE (µg/L)
NAPHTHALENE (µg/L)
*SVOCs VIA EPA METHOD 8270 STARS (µg/L) – Detected in MW14 O only
ND = Compound(s) Not Detected
NS = water sample not collected (offsite wells only)

PREPARED BY: MATRIX ENVIRONMENTAL TECHNOLOGIES INC.	PROJECT MGR: DRG	PROJECT NAME / LOCATION: FORMER TERMINAL 760 BROOKS AVE. ROCHESTER, NY	TITLE: OVERBURDEN GROUNDWATER ELEVATIONS AND CONTAMINANT CONCENTRATIONS	REVISION BY / DATE: 6/13/12 TVGA	DATE: JUNE 19, 2012
PREPARED FOR: SUNOCO, INC. (R&M) SYRACUSE, NY	DESIGNED BY: TVGA				PROJECT NO.: 05-033
	REVIEWED BY: CDZ				FIGURE: 3
	DRAWN BY: TVGA			SCALE IN FEET: 1"=65' (0 – 65')	

20 years dedicated to a CLEANER ENVIRONMENT 1991-2011



LEGEND

- AC = AIR CONDITIONER UNIT
- = BOLLARD
- = CATCH BASIN
- = CLEAN OUT
- = DECIDUOUS TREE
- G = GAS LINE MARKER
- GM = GAS METER
- = SOIL BORING LOCATION
- = GUY WIRE
- = FIRE HYDRANT
- = LIGHT POLE
- MB = MAIL BOX
- = MONUMENT
- = MONITORING WELL
- = OIL LINE MARKER
- = PARKING BUMPER
- = 1 POST SIGN
- S = SANITARY MANHOLE
- T = TELEPHONE MANHOLE
- ? = UNKNOWN MANHOLE
- = POWER POLE
- = POWER POLE W/ LIGHT
- = POWER POLE W/ LIGHT & TRANSFORMER
- = POWER POLE W/ TRANSFORMER
- = WATER SERVICE BOX
- = WATER VALVE

GROUNDWATER ELEVATION (FT)
VOCs VIA EPA METHOD 8260 STARS (µg/L)
MTBE (µg/L)
NAPHTHALENE (µg/L)
*SVOCs VIA EPA METHOD 8270 STARS (µg/L) – Detected in MW14 O only
ND = Compound(s) Not Detected
LNAPL Thickness in feet (wells MW5 SB, MW3 SB, and MW8 –offsite– only)

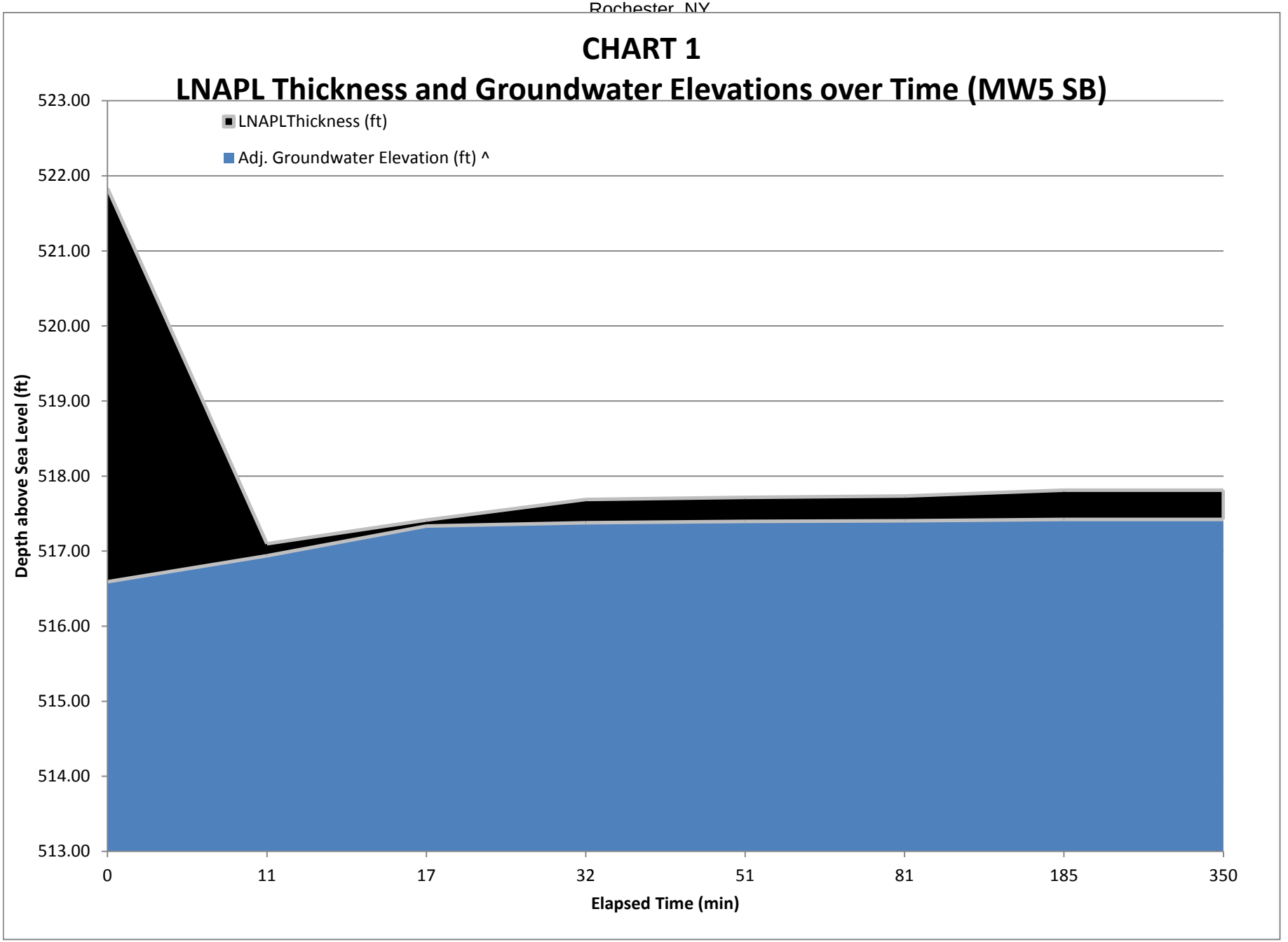
PREPARED BY: MATRIX ENVIRONMENTAL TECHNOLOGIES INC.	PROJECT MGR: DRG	PROJECT NAME / LOCATION: FORMER TERMINAL 760 BROOKS AVE. ROCHESTER, NY	TITLE: SHALLOW BEDROCK GROUNDWATER ELEVATIONS AND CONTAMINANT CONCENTRATIONS	REVISION BY / DATE: 6/13/12 TVGA	DATE: JUNE 19, 2012
PREPARED FOR: SUNOCO, INC. (R&M) SYRACUSE, NY	DESIGNED BY: TVGA				PROJECT NO.: 05-033
	REVIEWED BY: CDZ				FIGURE: 4
	DRAWN BY: TVGA			SCALE IN FEET: 1"=65' (0 – 65')	

20 years dedicated to a CLEANER ENVIRONMENT 1991-2011

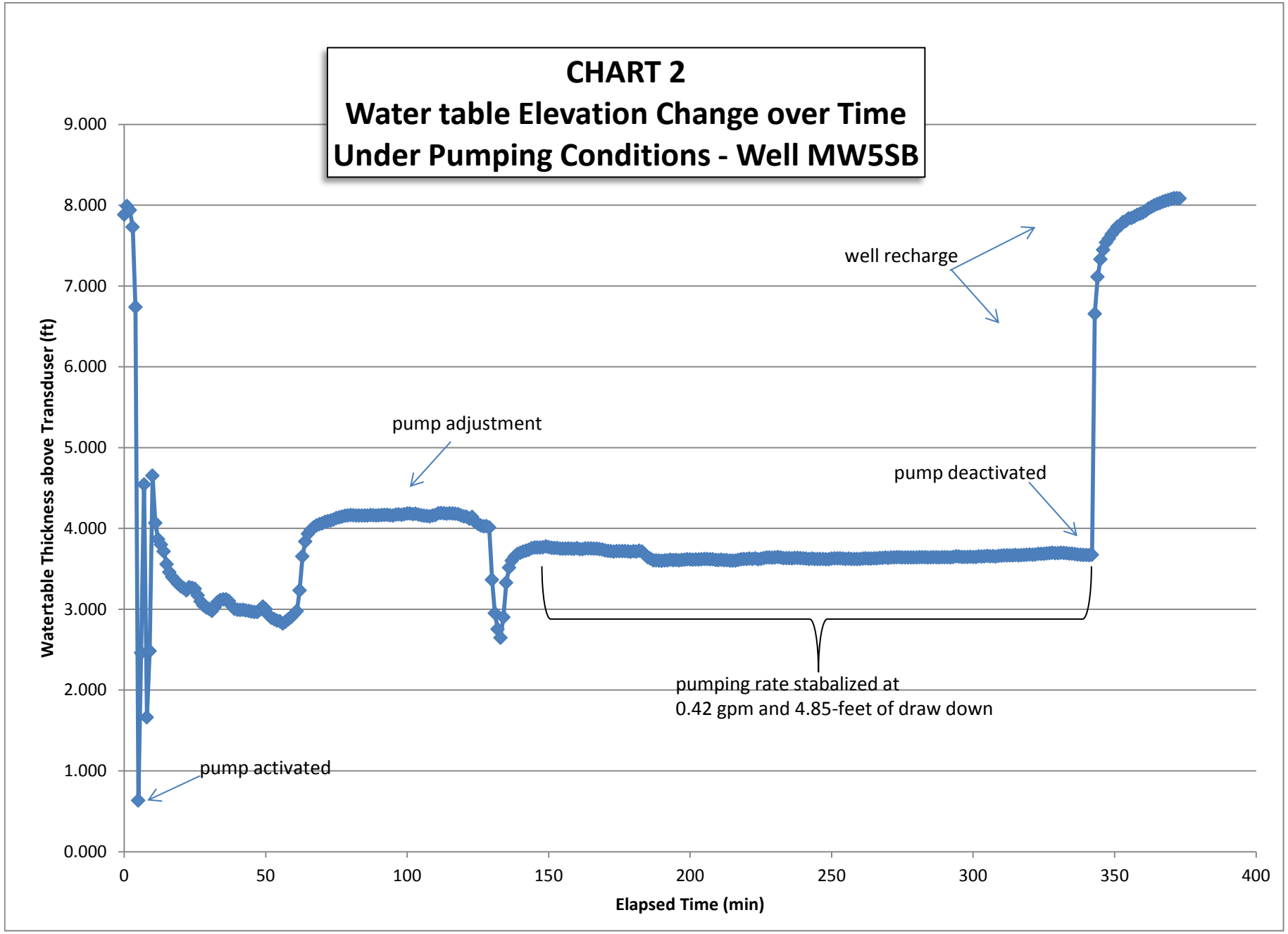
CHARTS

Former Terminal
760 Brooks Ave.
Rochester, NY

CHART 1
LNAPL Thickness and Groundwater Elevations over Time (MW5 SB)



Former Terminal
760 Brooks Avenue
Rochester, NY



SOIL BORING LOGS

Matrix Environmental Technologies Inc. **SUBSURFACE LOG**

PROJECT & LOCATION: Former Terminal, 760 Brooks Avenue, Rochester, NY — PROJECT No. 05-033
CLIENT: Sunoco, Inc. (R&M) — WELL/BORING ID: **METI 1** (1 of 2)
START DATE: 6/13/2012 — COMPLETION DATE: 6/13/2012 — RECORDED BY: D. Robert Gill
GROUNDWATER DEPTH WHILE DRILLING: 11.5' — GROUNDWATER DEPTH AFTER COMPLETION: NA
WEATHER: MS 75° F — DRILLING CONTRACTOR/DRILLERS: Nothnagle Drilling
DRILL RIG: CME 85 — DRILL SIZE & TYPE: 4.5" Nominal OD HAS — HAMMER Type: Hydraulic
Sampler Type: Macrocore (MC)

Sample Depth (ft)	Sample No.	Sample Interval (feet)	OVM Reading (ppm)	Blows/ 6"	N	Recovery (inches)	Material Classification trace – 1-10% little – 11-20% some – 21-35% and – 36-50% f-fine m-medium c-coarse
			0				*Location hand-cleared to 5' bgs on June 13, 2012. Black SILT some WOOD/ASH/GLASS. Dry, no impacts observed. No OVM response from cuttings.*
1							
2							
3							
4							Samples obtained beginning at 4' bgs.
	1	4-8	0	nr	nr	22	Black SILT some WOOD/ASH/GLASS. Dry. No impacts observed.
5							Brown SILT little f GRAVEL trace CLAY. Dry. No impacts.
6							
7							
8							
	2	8-10	0			20	Brown f SAND some SILT. Moist. No impacts.
9							
10							
	3	10-12	0			20	
11							grades to brown f SAND and SILT some CLAY little f GRAVEL
12							Brown SILT some f SAND some CLAY. Wet. No impacts.
	4	12-16	0			22	Brown SILT some f SAND little CLAY little f GRAVEL. Wet. No impacts.
13							
14							
15							
16							
	5	16-18	0			24	Brown SILT some f SAND. Wet. No impacts.
17							
18							
	6	18-20	0			24	CLAY. Dry. No impacts
19							Grades to Brown SILT some f SAND some f GRAVEL. Wet
20							Grades to tan/gray f SAND little SILT. Wet. No impacts.
	7	20-22	0			24	similar
21							grades to brown SILT some f SAND little CLAY little f GRAVEL. Wet. No impacts.
22							
	8	22-24	0			24	similar. No impacts.
23							
24							
	8	24-28	0			48	similar (continued)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube C - Bedrock Core ND - Non-detect

Matrix Environmental Technologies Inc. **SUBSURFACE LOG**

PROJECT & LOCATION:	Former Terminal, 760 Brooks Avenue, Rochester, NY	PROJECT No.	05-033
CLIENT:	Sunoco, Inc. (R&M)	WELL/BORING ID:	**METI 1** (2 of 2)
START DATE:	6/13/2012 COMPLETION DATE: 6/13/2012	RECORDED BY:	D. Robert Gill
GROUNDWATER DEPTH WHILE DRILLING:	11.5'	GROUNDWATER DEPTH AFTER COMPLETION:	NA
WEATHER:	MS 75° F DRILLING CONTRACTOR/DRILLERS: Nothnagle Drilling		
DRILL RIG:	CME 85 DRILL SIZE & TYPE: 4.5" Nominal OD HAS	HAMMER Type:	Hydraulic
		Sampler Type:	Macrocore (MC)

Sample Depth (ft)	Sample No.	Sample Interval (feet)	OVM Reading (ppm)	Blows/ 6"	N	Recovery (inches)	Material Classification trace – 1-10% little – 11-20% some – 21-35% and – 36-50% f-fine m-medium c-coarse
28	9	28-32	0			23	CLAY (sticky)
29							Grades to gray f SAND some fm GRAVEL trace SILT. Wet. No impacts.
32	10	32-34	0			18	grades to brown f SAND and fm GRAVEL little SILT. Wet. No impacts.
34							**REFUSAL**

Notes: Sample from the 10-12' interval was submitted for laboratory VOC and SVOC analysis using EPA Methods 8260 and 8270 STARS.

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube C - Bedrock Core ND - Non-detect

Matrix Environmental Technologies Inc. **SUBSURFACE LOG**

PROJECT & LOCATION: Former Terminal, 760 Brooks Avenue, Rochester, NY — PROJECT No. 05-033
CLIENT: Sunoco, Inc. (R&M) — WELL/BORING ID: **METI 2** (1 of 2)
START DATE: 6/13/2012 — COMPLETION DATE: 6/13/2012 — RECORDED BY: D. Robert Gill
GROUNDWATER DEPTH WHILE DRILLING: 9' — GROUNDWATER DEPTH AFTER COMPLETION: NA
WEATHER: MS 75° F — DRILLING CONTRACTOR/DRILLERS: Nothnagle Drilling
DRILL RIG: CME 85 — DRILL SIZE & TYPE: 4.5" Nominal OD HAS — HAMMER Type: Hydraulic
Sampler Type: Macrocore (MC)

Sample Depth (ft)	Sample No.	Sample Interval (feet)	OVM Reading (ppm)	Blows/ 6"	N	Recovery (inches)	Material Classification trace – 1-10% little – 11-20% some – 21-35% and – 36-50% f-fine m-medium c-coarse
			0				*Location hand-cleared to 5' bgs on June 13, 2012. Brown f SAND. Dry, no impacts observed. No OVM response from cuttings.*
4							Samples obtained beginning at 4' bgs.
	1	4-8	0	nr	nr	33	Brown f SAND. Dry. No impacts
8	2	8-12	0			27	
10							grades to tam/gray SILT and CLAY. Wet. No impacts
11							grades to WOOD FRAGMENTS
12	3	12-16	1,921			28	grades to tan/gray SILT some CLAY.
14							grades to brown SILT. Saturated. Hydrocarbon odor detected.
15							grades to black mf SAND. Wet. Hydrocarbon odor detected.
16	4	16-20	22			48	Brown CLAY and SILT. Moist. Hydrocarbon odor detected.
20	5	20-24	23			18	Gray SILT and CLAY. Wet and sticky. Hydrocarbon odor detected.
24	6	24-28	2			48	similar

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube C - Bedrock Core ND - Non-detect

Matrix Environmental Technologies Inc. **SUBSURFACE LOG**

PROJECT & LOCATION: Former Terminal, 760 Brooks Avenue, Rochester, NY — PROJECT No. 05-033
CLIENT: Sunoco, Inc. (R&M) — WELL/BORING ID: **METI 2** (2 of 2)
START DATE: 6/13/2012 — COMPLETION DATE: 6/13/2012 — RECORDED BY: D. Robert Gill
GROUNDWATER DEPTH WHILE DRILLING: 9 — GROUNDWATER DEPTH AFTER COMPLETION: NA
WEATHER: MS 75° F — DRILLING CONTRACTOR/DRILLERS: Nothnagle Drilling
DRILL RIG: CME 85 — DRILL SIZE & TYPE: 4.5" Nominal OD HAS — HAMMER Type: Hydraulic
Sampler Type: Macrocore (MC)

Sample Depth (ft)	Sample No.	Sample Interval (feet)	OVM Reading (ppm)	Blows/ 6"	N	Recovery (inches)	Material Classification trace – 1-10% little – 11-20% some – 21-35% and – 36-50% f-fine m-medium c-coarse
25							
26							Grades to CLAY some SILT.
27							
28							grades to TILL and ROCK PIECES. Dry. No impacts. **REFUSAL**
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							

Notes: Sample from the 12-16' interval was submitted for laboratory VOC and SVOC analysis using EPA Methods 8260 and 8270 STARS.

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube C - Bedrock Core ND - Non-detect

APPENDIX A

LABORATORY ANALYTICAL REPORT

New England ACCUTEST LABORATORIES

07/02/12

Technical Report for

Sunoco

MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY

05-033 PO#92

Accutest Job Number: MC11513

Sampling Date: 06/13/12

Report to:

Matrix Environmetal Tech.

mostrander@matrixbiotech.com

ATTN: Margaret Ostrander

Total number of pages in report: **11**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Matthew Morrell 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) ISO 17025:2005 (L2235)

Test results relate only to samples analyzed.

Sections: 1 2 3

Table of Contents

-1-

Sample Summary

Sunoco

Job No: MC11513

MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY
Project No: 05-033 PO#92

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC11513-1	06/13/12	11:00	RG	06/16/12	SO	Soil	MET1 1 10-12'
MC11513-2	06/13/12	14:00	RG	06/16/12	SO	Soil	MET1 2 15-16'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	MET1 1 10-12'		
Lab Sample ID:	MC11513-1	**Date Sampled:**	06/13/12
Matrix:	SO - Soil	**Date Received:**	06/16/12
Method:	SW846 8260B	**Percent Solids:**	89.1
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E61468.D	1	06/25/12	JS	n/a	n/a	MSE2377
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	11.5 g	10.0 ml	100 ul
Run #2			

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	27	ug/kg	
104-51-8	n-Butylbenzene	ND	270	ug/kg	
135-98-8	sec-Butylbenzene	ND	270	ug/kg	
98-06-6	tert-Butylbenzene	ND	270	ug/kg	
100-41-4	Ethylbenzene	ND	110	ug/kg	
98-82-8	Isopropylbenzene	ND	270	ug/kg	
99-87-6	p-Isopropyltoluene	ND	270	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	110	ug/kg	
91-20-3	Naphthalene	ND	270	ug/kg	
103-65-1	n-Propylbenzene	ND	270	ug/kg	
108-88-3	Toluene	ND	270	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	270	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	270	ug/kg	
	m,p-Xylene	ND	110	ug/kg	
95-47-6	o-Xylene	ND	110	ug/kg	
1330-20-7	Xylene (total)	ND	110	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MET1 1 10-12'		
Lab Sample ID:	MC11513-1	**Date Sampled:**	06/13/12
Matrix:	SO - Soil	**Date Received:**	06/16/12
Method:	SW846 8270C SW846 3546	**Percent Solids:**	89.1
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W2308.D	1	06/20/12	KR	06/18/12	OP29301	MSW108
Run #2							

	Initial Weight	Final Volume
Run #1	20.3 g	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	110	ug/kg	
208-96-8	Acenaphthylene	ND	110	ug/kg	
120-12-7	Anthracene	ND	110	ug/kg	
56-55-3	Benzo(a)anthracene	ND	110	ug/kg	
50-32-8	Benzo(a)pyrene	ND	110	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	110	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	110	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	110	ug/kg	
218-01-9	Chrysene	ND	110	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	110	ug/kg	
206-44-0	Fluoranthene	ND	110	ug/kg	
86-73-7	Fluorene	ND	110	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	110	ug/kg	
91-20-3	Naphthalene	ND	110	ug/kg	
85-01-8	Phenanthrene	ND	110	ug/kg	
129-00-0	Pyrene	ND	110	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	60%		30-130%
321-60-8	2-Fluorobiphenyl	62%		30-130%
1718-51-0	Terphenyl-d14	118%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MET1 2 15-16'		
Lab Sample ID:	MC11513-2	**Date Sampled:**	06/13/12
Matrix:	SO - Soil	**Date Received:**	06/16/12
Method:	SW846 8260B	**Percent Solids:**	80.1
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E61469.D	1	06/25/12	JS	n/a	n/a	MSE2377
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.1 g	10.0 ml	100 ul
Run #2			

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	37	ug/kg	
104-51-8	n-Butylbenzene	673	370	ug/kg	
135-98-8	sec-Butylbenzene	400	370	ug/kg	
98-06-6	tert-Butylbenzene	ND	370	ug/kg	
100-41-4	Ethylbenzene	1460	150	ug/kg	
98-82-8	Isopropylbenzene	729	370	ug/kg	
99-87-6	p-Isopropyltoluene	ND	370	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	150	ug/kg	
91-20-3	Naphthalene	1480	370	ug/kg	
103-65-1	n-Propylbenzene	3500	370	ug/kg	
108-88-3	Toluene	ND	370	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	20100	370	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	6300	370	ug/kg	
	m,p-Xylene	6980	150	ug/kg	
95-47-6	o-Xylene	402	150	ug/kg	
1330-20-7	Xylene (total)	7380	150	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	81%		70-130%
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	111%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: MET1 2 15-16'
Lab Sample ID: MC11513-2 **Date Sampled:** 06/13/12
Matrix: SO - Soil **Date Received:** 06/16/12
Method: SW846 8270C SW846 3546 **Percent Solids:** 80.1
Project: MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W2309.D	1	06/20/12	KR	06/18/12	OP29301	MSW108
Run #2							

	Initial Weight	Final Volume
Run #1	20.4 g	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	120	ug/kg	
208-96-8	Acenaphthylene	ND	120	ug/kg	
120-12-7	Anthracene	ND	120	ug/kg	
56-55-3	Benzo(a)anthracene	ND	120	ug/kg	
50-32-8	Benzo(a)pyrene	ND	120	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	120	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	120	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	120	ug/kg	
218-01-9	Chrysene	ND	120	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	120	ug/kg	
206-44-0	Fluoranthene	ND	120	ug/kg	
86-73-7	Fluorene	ND	120	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	120	ug/kg	
91-20-3	Naphthalene	233	120	ug/kg	
85-01-8	Phenanthrene	ND	120	ug/kg	
129-00-0	Pyrene	ND	120	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	49%		30-130%
321-60-8	2-Fluorobiphenyl	53%		30-130%
1718-51-0	Terphenyl-d14	125%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE ___ OF ___

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest Job # MC11513

Client / Reporting Information

Company Name: METI
Street Address: 3730 CALIFORNIA RD
City: ORCHARD PARK State: NY Zip: 14127
Project Contact: ROB GILL E-mail:
Phone #: 716 6620745 Fax #:
Sampler(s) Name(s): ROB GILL Phone #:

Project Information

Project Name: 760 BROOKS AVE
Street: 760 BROOKS AVE
City: ROCHESTER
Project#: 05-033
Client PO#: #92
Project Manager: ROB GILL

Billing Information (If different from Report to)

Company Name:
Street Address:
City State Zip:
Attention: PO#: DUNS # 00910-5828

Requested Analysis (see TEST CODE sheet)

8260 STARS
8270 STARS

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	LAB USE ONLY
-1	METI 1 10-12'		6/13/12	11a	DRG	SO	1					X					
-2	METI 2 15-16'		6/13/12	2p	DRG	SO	1					X					
																	9B

OVM = 1,921 ppm

Turnaround Time (Business days)

- [X] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [X] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

SYRACUSE SC

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		6/14/12 12p	1	2	6/15/12 11:00	2
3		6/15/12 17:00	3 FED Ex	4 FedEx	6/16/12 10a	4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	[ ] Intact [ ] Not intact	Preserved where applicable [ ]

On Ice [X] Cooler Temp. 1.1°C

MC11513: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC11513 **Client:** METI **Immediate Client Services Action Required:** No

Date / Time Received: 6/16/2012 **Delivery Method:** **Client Service Action Required at Login:** No

Project: 760 BROOKS AVE **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

New England ACCUTEST LABORATORIES

07/06/12

Technical Report for

Sunoco

MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY

05-033 PO#95

Accutest Job Number: MC11639

Sampling Date: 06/19/12

Report to:

Matrix Environmental
3730 California Road
Orchard Park, NY 14127
rgill@matrixbiotech.com

ATTN: Rob Gill

Total number of pages in report: **54**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Matthew Morrell 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) ISO 17025:2005 (L2235)

Test results relate only to samples analyzed.

Sections: 1 2 3

Table of Contents

Sample Summary

Sunoco

Job No: MC11639

MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY
Project No: 05-033 PO#95

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC11639-1	06/19/12	08:30	DK	06/21/12	AQ	Ground Water	MWA
MC11639-2	06/19/12	08:40	DK	06/21/12	AQ	Ground Water	MWB
MC11639-3	06/19/12	09:00	DK	06/21/12	AQ	Ground Water	MW3 O
MC11639-4	06/19/12	09:08	DK	06/21/12	AQ	Ground Water	MW4 O
MC11639-5	06/19/12	09:15	DK	06/21/12	AQ	Ground Water	MW4 SB
MC11639-6	06/19/12	09:30	DK	06/21/12	AQ	Ground Water	MW5 O
MC11639-7	06/19/12	09:40	DK	06/21/12	AQ	Ground Water	MW6 O
MC11639-8	06/19/12	09:55	DK	06/21/12	AQ	Ground Water	MW6 SB
MC11639-9	06/19/12	10:10	DK	06/21/12	AQ	Ground Water	MW8 O
MC11639-10	06/19/12	10:25	DK	06/21/12	AQ	Ground Water	MW8 SB
MC11639-11	06/19/12	10:45	DK	06/21/12	AQ	Ground Water	MW9 O
MC11639-12	06/19/12	11:00	DK	06/21/12	AQ	Ground Water	MW9 SB
MC11639-13	06/19/12	11:10	DK	06/21/12	AQ	Ground Water	MW10 O

Sample Summary
(continued)

Sunoco

Job No: MC11639

MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY
Project No: 05-033 PO#95

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC11639-14	06/19/12	11:20	DK	06/21/12	AQ	Ground Water	MW10 SB
MC11639-15	06/19/12	11:35	DK	06/21/12	AQ	Ground Water	MW11 O
MC11639-16	06/19/12	11:45	DK	06/21/12	AQ	Ground Water	MW11 SB
MC11639-17	06/19/12	12:00	DK	06/21/12	AQ	Ground Water	MW12 O
MC11639-18	06/19/12	12:10	DK	06/21/12	AQ	Ground Water	MW13 O
MC11639-19	06/19/12	12:20	DK	06/21/12	AQ	Ground Water	MW14 O
MC11639-20	06/19/12	12:35	DK	06/21/12	AQ	Ground Water	MW14 SB
MC11639-21	06/19/12	12:50	DK	06/21/12	AQ	Ground Water	MW15 SB
MC11639-22	06/19/12	13:00	DK	06/21/12	AQ	Ground Water	MW16 O
MC11639-23	06/19/12	13:20	DK	06/21/12	AQ	Ground Water	MW17 SB

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	MWA		
Lab Sample ID:	MC11639-1	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G117735.D	1	06/27/12	DFT	n/a	n/a	MSG4719
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		70-130%
2037-26-5	Toluene-D8	106%		70-130%
460-00-4	4-Bromofluorobenzene	108%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: MWA
Lab Sample ID: MC11639-1 **Date Sampled:** 06/19/12
Matrix: AQ - Ground Water **Date Received:** 06/21/12
Method: SW846 8270C SW846 3510C **Percent Solids:** n/a
Project: MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W2420.D	1	06/22/12	KR	06/22/12	OP29340	MSW118
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%		30-130%
321-60-8	2-Fluorobiphenyl	60%		30-130%
1718-51-0	Terphenyl-d14	49%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MWB		
Lab Sample ID:	MC11639-2	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G117736.D	1	06/27/12	DFT	n/a	n/a	MSG4719
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-130%
2037-26-5	Toluene-D8	106%		70-130%
460-00-4	4-Bromofluorobenzene	108%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW3 O		
Lab Sample ID:	MC11639-3	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G117737.D	1	06/27/12	DFT	n/a	n/a	MSG4719
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	109%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW3 O		
Lab Sample ID:	MC11639-3	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W2421.D	1	06/22/12	KR	06/22/12	OP29340	MSW118
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		30-130%
321-60-8	2-Fluorobiphenyl	73%		30-130%
1718-51-0	Terphenyl-d14	71%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW4 O		
Lab Sample ID:	MC11639-4	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G117738.D	1	06/27/12	DFT	n/a	n/a	MSG4719
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		70-130%
2037-26-5	Toluene-D8	106%		70-130%
460-00-4	4-Bromofluorobenzene	109%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW4 O		
Lab Sample ID:	MC11639-4	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W2422.D	1	06/22/12	KR	06/22/12	OP29340	MSW118
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		30-130%
321-60-8	2-Fluorobiphenyl	70%		30-130%
1718-51-0	Terphenyl-d14	75%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW4 SB		
Lab Sample ID:	MC11639-5	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G117739.D	1	06/27/12	DFT	n/a	n/a	MSG4719
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	108%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW4 SB		
Lab Sample ID:	MC11639-5	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55679.D	1	06/22/12	KR	06/22/12	OP29351	MSF2660
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%		30-130%
321-60-8	2-Fluorobiphenyl	68%		30-130%
1718-51-0	Terphenyl-d14	77%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW5 O		
Lab Sample ID:	MC11639-6	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G117740.D	1	06/27/12	DFT	n/a	n/a	MSG4719
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	11.2	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	111%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW5 O		
Lab Sample ID:	MC11639-6	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55680.D	1	06/22/12	KR	06/22/12	OP29351	MSF2660
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		30-130%
321-60-8	2-Fluorobiphenyl	91%		30-130%
1718-51-0	Terphenyl-d14	48%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW6 O		
Lab Sample ID:	MC11639-7	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G117741.D	1	06/27/12	DFT	n/a	n/a	MSG4719
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	111%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW6 O		
Lab Sample ID:	MC11639-7	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55681.D	1	06/22/12	KR	06/22/12	OP29351	MSF2660
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	77%		30-130%
321-60-8	2-Fluorobiphenyl	75%		30-130%
1718-51-0	Terphenyl-d14	36%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW6 SB		
Lab Sample ID:	MC11639-8	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G117742.D	1	06/27/12	DFT	n/a	n/a	MSG4719
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	109%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: MW6 SB
Lab Sample ID: MC11639-8 **Date Sampled:** 06/19/12
Matrix: AQ - Ground Water **Date Received:** 06/21/12
Method: SW846 8270C SW846 3510C **Percent Solids:** n/a
Project: MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55682.D	1	06/22/12	KR	06/22/12	OP29351	MSF2660
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		30-130%
321-60-8	2-Fluorobiphenyl	74%		30-130%
1718-51-0	Terphenyl-d14	51%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW8 O		
Lab Sample ID:	MC11639-9	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G117743.D	1	06/27/12	DFT	n/a	n/a	MSG4719
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	110%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW8 O		
Lab Sample ID:	MC11639-9	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55683.D	1	06/22/12	KR	06/22/12	OP29351	MSF2660
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	79%		30-130%
321-60-8	2-Fluorobiphenyl	80%		30-130%
1718-51-0	Terphenyl-d14	41%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW8 SB		
Lab Sample ID:	MC11639-10	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G117744.D	1	06/27/12	DFT	n/a	n/a	MSG4719
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	110%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: MW8 SB
Lab Sample ID: MC11639-10 **Date Sampled:** 06/19/12
Matrix: AQ - Ground Water **Date Received:** 06/21/12
Method: SW846 8270C SW846 3510C **Percent Solids:** n/a
Project: MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55684.D	1	06/22/12	KR	06/22/12	OP29351	MSF2660
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		30-130%
321-60-8	2-Fluorobiphenyl	79%		30-130%
1718-51-0	Terphenyl-d14	46%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW9 O		
Lab Sample ID:	MC11639-11	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G117745.D	1	06/27/12	DFT	n/a	n/a	MSG4719
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	110%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW9 O		
Lab Sample ID:	MC11639-11	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55685.D	1	06/22/12	KR	06/22/12	OP29351	MSF2660
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		30-130%
321-60-8	2-Fluorobiphenyl	70%		30-130%
1718-51-0	Terphenyl-d14	52%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW9 SB		
Lab Sample ID:	MC11639-12	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G117746.D	1	06/27/12	DFT	n/a	n/a	MSG4719
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	110%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: MW9 SB
Lab Sample ID: MC11639-12 **Date Sampled:** 06/19/12
Matrix: AQ - Ground Water **Date Received:** 06/21/12
Method: SW846 8270C SW846 3510C **Percent Solids:** n/a
Project: MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55686.D	1	06/22/12	KR	06/22/12	OP29351	MSF2660
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		30-130%
321-60-8	2-Fluorobiphenyl	69%		30-130%
1718-51-0	Terphenyl-d14	49%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: MW10 O
Lab Sample ID: MC11639-13 **Date Sampled:** 06/19/12
Matrix: AQ - Ground Water **Date Received:** 06/21/12
Method: SW846 8260B **Percent Solids:** n/a
Project: MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G117747.D	1	06/27/12	DFT	n/a	n/a	MSG4719
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	2.7	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	112%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: MW10 O
Lab Sample ID: MC11639-13 **Date Sampled:** 06/19/12
Matrix: AQ - Ground Water **Date Received:** 06/21/12
Method: SW846 8270C SW846 3510C **Percent Solids:** n/a
Project: MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55687.D	1	06/22/12	KR	06/22/12	OP29351	MSF2660
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	88%		30-130%
321-60-8	2-Fluorobiphenyl	94%		30-130%
1718-51-0	Terphenyl-d14	82%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW10 SB		
Lab Sample ID:	MC11639-14	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G117748.D	1	06/27/12	DFT	n/a	n/a	MSG4719
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	111%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW10 SB		
Lab Sample ID:	MC11639-14	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55688.D	1	06/22/12	KR	06/22/12	OP29351	MSF2660
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		30-130%
321-60-8	2-Fluorobiphenyl	73%		30-130%
1718-51-0	Terphenyl-d14	66%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW11 O		
Lab Sample ID:	MC11639-15	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G117749.D	1	06/27/12	DFT	n/a	n/a	MSG4719
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	110%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW11 O		
Lab Sample ID:	MC11639-15	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55689.D	1	06/22/12	KR	06/22/12	OP29351	MSF2660
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		30-130%
321-60-8	2-Fluorobiphenyl	80%		30-130%
1718-51-0	Terphenyl-d14	85%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: MW11 SB
Lab Sample ID: MC11639-16 **Date Sampled:** 06/19/12
Matrix: AQ - Ground Water **Date Received:** 06/21/12
Method: SW846 8260B **Percent Solids:** n/a
Project: MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G117750.D	1	06/27/12	DFT	n/a	n/a	MSG4719
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	113%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: MW11 SB
Lab Sample ID: MC11639-16 **Date Sampled:** 06/19/12
Matrix: AQ - Ground Water **Date Received:** 06/21/12
Method: SW846 8270C SW846 3510C **Percent Solids:** n/a
Project: MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55690.D	1	06/22/12	KR	06/22/12	OP29351	MSF2660
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%		30-130%
321-60-8	2-Fluorobiphenyl	66%		30-130%
1718-51-0	Terphenyl-d14	52%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW12 O		
Lab Sample ID:	MC11639-17	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G117751.D	1	06/27/12	DFT	n/a	n/a	MSG4719
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		70-130%
2037-26-5	Toluene-D8	106%		70-130%
460-00-4	4-Bromofluorobenzene	111%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW12 O		
Lab Sample ID:	MC11639-17	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55691.D	1	06/22/12	KR	06/22/12	OP29351	MSF2660
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	72%		30-130%
321-60-8	2-Fluorobiphenyl	73%		30-130%
1718-51-0	Terphenyl-d14	83%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW13 O		
Lab Sample ID:	MC11639-18	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G117752.D	1	06/27/12	DFT	n/a	n/a	MSG4719
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	109%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: MW13 O
Lab Sample ID: MC11639-18 **Date Sampled:** 06/19/12
Matrix: AQ - Ground Water **Date Received:** 06/21/12
Method: SW846 8270C SW846 3510C **Percent Solids:** n/a
Project: MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55692.D	1	06/22/12	KR	06/22/12	OP29351	MSF2660
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	84%		30-130%
321-60-8	2-Fluorobiphenyl	80%		30-130%
1718-51-0	Terphenyl-d14	88%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW14 O		
Lab Sample ID:	MC11639-19	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G117772.D	1	06/28/12	DFT	n/a	n/a	MSG4720
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		70-130%
2037-26-5	Toluene-D8	107%		70-130%
460-00-4	4-Bromofluorobenzene	111%		70-130%

(a) The pH of the sample aliquot for VOA analysis was > 2 at time of analysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: MW14 O
Lab Sample ID: MC11639-19 **Date Sampled:** 06/19/12
Matrix: AQ - Ground Water **Date Received:** 06/21/12
Method: SW846 8270C SW846 3510C **Percent Solids:** n/a
Project: MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55693.D	1	06/23/12	KR	06/22/12	OP29351	MSF2660
Run #2 [a]	F55835.D	1	07/06/12	KR	06/22/12	OP29351	MSF2666

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2	900 ml	1.0 ml

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	2.2	ug/l	
208-96-8	Acenaphthylene	ND	2.2	ug/l	
120-12-7	Anthracene	ND	2.2	ug/l	
56-55-3	Benzo(a)anthracene	6.1	2.2	ug/l	
50-32-8	Benzo(a)pyrene	4.7	2.2	ug/l	
205-99-2	Benzo(b)fluoranthene	7.5	2.2	ug/l	
191-24-2	Benzo(g,h,i)perylene	3.0	2.2	ug/l	
207-08-9	Benzo(k)fluoranthene	2.2	2.2	ug/l	
218-01-9	Chrysene	6.0	2.2	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.2	ug/l	
206-44-0	Fluoranthene	17.8	2.2	ug/l	
86-73-7	Fluorene	ND	2.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	2.5	2.2	ug/l	
91-20-3	Naphthalene	ND	2.2	ug/l	
85-01-8	Phenanthrene	110	2.2	ug/l	
129-00-0	Pyrene	12.6	2.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	122%	123%	30-130%
321-60-8	2-Fluorobiphenyl	63%	75%	30-130%
1718-51-0	Terphenyl-d14	25%	22%	30-130%

(a) Confirmation run for surrogate recoveries.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW14 SB		
Lab Sample ID:	MC11639-20	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G117773.D	1	06/28/12	DFT	n/a	n/a	MSG4720
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	110%		70-130%

(a) The pH of the sample aliquot for VOA analysis was > 2 at time of analysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: MW14 SB
Lab Sample ID: MC11639-20 **Date Sampled:** 06/19/12
Matrix: AQ - Ground Water **Date Received:** 06/21/12
Method: SW846 8270C SW846 3510C **Percent Solids:** n/a
Project: MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55694.D	1	06/23/12	KR	06/22/12	OP29351	MSF2660
Run #2							

	Initial Volume	Final Volume
Run #1	880 ml	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	2.3	ug/l	
208-96-8	Acenaphthylene	ND	2.3	ug/l	
120-12-7	Anthracene	ND	2.3	ug/l	
56-55-3	Benzo(a)anthracene	4.7	2.3	ug/l	
50-32-8	Benzo(a)pyrene	5.8	2.3	ug/l	
205-99-2	Benzo(b)fluoranthene	7.6	2.3	ug/l	
191-24-2	Benzo(g,h,i)perylene	4.6	2.3	ug/l	
207-08-9	Benzo(k)fluoranthene	3.3	2.3	ug/l	
218-01-9	Chrysene	5.1	2.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.3	ug/l	
206-44-0	Fluoranthene	9.5	2.3	ug/l	
86-73-7	Fluorene	ND	2.3	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	3.7	2.3	ug/l	
91-20-3	Naphthalene	ND	2.3	ug/l	
85-01-8	Phenanthrene	8.3	2.3	ug/l	
129-00-0	Pyrene	7.1	2.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		30-130%
321-60-8	2-Fluorobiphenyl	63%		30-130%
1718-51-0	Terphenyl-d14	31%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW15 SB		
Lab Sample ID:	MC11639-21	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G117774.D	1	06/28/12	DFT	n/a	n/a	MSG4720
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.1	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	109%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: MW15 SB
Lab Sample ID: MC11639-21 **Date Sampled:** 06/19/12
Matrix: AQ - Ground Water **Date Received:** 06/21/12
Method: SW846 8270C SW846 3510C **Percent Solids:** n/a
Project: MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55695.D	1	06/23/12	KR	06/22/12	OP29351	MSF2660
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		30-130%
321-60-8	2-Fluorobiphenyl	77%		30-130%
1718-51-0	Terphenyl-d14	57%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: MW16 O
Lab Sample ID: MC11639-22 **Date Sampled:** 06/19/12
Matrix: AQ - Ground Water **Date Received:** 06/21/12
Method: SW846 8260B **Percent Solids:** n/a
Project: MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G117775.D	1	06/28/12	DFT	n/a	n/a	MSG4720
Run #2	G117786.D	5	06/28/12	DFT	n/a	n/a	MSG4721

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	2.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	821 [a]	5.0	ug/l	
98-82-8	Isopropylbenzene	44.9	5.0	ug/l	
99-87-6	p-Isopropyltoluene	18.7	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
91-20-3	Naphthalene	329	5.0	ug/l	
103-65-1	n-Propylbenzene	87.1	5.0	ug/l	
108-88-3	Toluene	4.7	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1210 [a]	25	ug/l	
108-67-8	1,3,5-Trimethylbenzene	357	5.0	ug/l	
	m,p-Xylene	1460 [a]	5.0	ug/l	
95-47-6	o-Xylene	33.4	1.0	ug/l	
1330-20-7	Xylene (total)	1500 [a]	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%	105%	70-130%
2037-26-5	Toluene-D8	108%	107%	70-130%
460-00-4	4-Bromofluorobenzene	113%	112%	70-130%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: MW16 O
Lab Sample ID: MC11639-22 **Date Sampled:** 06/19/12
Matrix: AQ - Ground Water **Date Received:** 06/21/12
Method: SW846 8270C SW846 3510C **Percent Solids:** n/a
Project: MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55696.D	1	06/23/12	KR	06/22/12	OP29351	MSF2660
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		30-130%
321-60-8	2-Fluorobiphenyl	80%		30-130%
1718-51-0	Terphenyl-d14	69%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW17 SB		
Lab Sample ID:	MC11639-23	**Date Sampled:**	06/19/12
Matrix:	AQ - Ground Water	**Date Received:**	06/21/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G117790.D	1	06/28/12	DFT	n/a	n/a	MSG4721
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	110%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: MW17 SB
Lab Sample ID: MC11639-23 **Date Sampled:** 06/19/12
Matrix: AQ - Ground Water **Date Received:** 06/21/12
Method: SW846 8270C SW846 3510C **Percent Solids:** n/a
Project: MATNYOP:DUNS#00905828, 760 Brooks Avenue, Rochester, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F55697.D	1	06/23/12	KR	06/22/12	OP29351	MSF2660
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%		30-130%
321-60-8	2-Fluorobiphenyl	73%		30-130%
1718-51-0	Terphenyl-d14	63%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 1 OF 2

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: MC11639

Client / Reporting Information

Company Name: Matrix Env't Tech.
Street Address: 3780 California Rd.
City: Orch. State: NY Zip: 14127
Project Contact: Rob Gill E-mail:
Phone #: 716-662-0745 Fax #:
Sampler(s) Name(s): David Kreinheder Phone #:

Project Information

Project Name: Sun-760 Brooks Ave
Street:
City: Roch. State: NY
Project #: 05-033
Client PO#: 95
Project Manager: Rob Gill

Billing Information (If different from Report to)

Company Name:
Street Address: PO Box 427
City: State: Zip:
Attention: PO#

Requested Analysis (see TEST CODE sheet)

EPA 8260 STARS
EPA 8270 STARS

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	LAB USE ONLY
-1	MW A		6-19-12	8:30	DK	GW	5	3				2					
-2	MW B			8:40			3	3									
-3	MW 3 0			9:00			5	3				2					
-4	MW 4 0			9:08													
-5	MW 4 SB			9:15													
-6	MW 5 0			9:30													
-7	MW 6 0			9:40													
-8	MW 6 SB			9:55													18A 5B4,
-9	MW 8 0			10:10													5B5
-10	MW 8 SB			10:25													
-11	MW 9 0			10:45													
-12	MW 9 SB			11:00													

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [x] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

Dunn# 009058.28

Syracuse SC

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		6-19-12 14:30		2 FEDEX	6/20/12 4:00	2
3	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By: 4 FEDEX	Date Time: 6/21/12 830	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	Intact / Not Intact	Preserved where applicable

On Ice: ☑ Cooler Temp: 3.6 IR
1.9°, 2.6°, 4.1°, 1.7°,

MC11639: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 2 OF 2

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest Job # MC11639

Client / Reporting Information

Company Name: Matrix Environmental
Street Address: 3730 California Rd
City: Orchard Park State: NY Zip: 14127
Project Contact: Rob Gill E-mail: rgill@matrixbiotech.com
Phone #: 716-662-0745 Fax #:
Sampler(s) Name(s): David Greinheder Phone #:

Project Information

Project Name: SCA - 760 Brooks Ave.
Street: Brooks Avenue
City: Rochester NY
Project#: 05-033
Client PO#: 95
Project Manager: Rob Gill

Billing Information (If different from Report to)

Company Name:
Street Address: PO Box 427
City: State: Zip:
Attention: PO#

Requested Analysis (see TEST CODE sheet)

EPA 8260 STARS
EPA 8270 STARS

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	LAB USE ONLY
-13	MW10 0		6-19-12	11:10	DK	GW	5	3				2					
-14	MW10 SB			11:20													
-15	MW11 0			11:35													
-16	MW11 SB			11:45													
-17	MW12 0			12:00													
-18	MW13 0			12:10													
-19	MW14 0			12:20													
-20	MW14 SB			12:35													
-21	MW15 SB			12:50													
-22	MW16 0			13:00													
-23	MW17 SB			13:20													

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Labiink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

Dunn # 0090 58 28
Syracuse SC

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:
1		6-19-12 14:30	
2	Relinquished By: Fedex	Date Time: 6-20-12 9:06	Received By:
3	Relinquished by Sampler:	Date Time:	Received By:
4	Relinquished By: FED X	Date Time: 6-21-12 930	Received By:
5	Relinquished by:	Date Time:	Received By:

Custody Seal # ☐ Intact ☐ Not intact | Preserved where applicable ☐ | On Ice ☑ | Cooler Temp. 3.6

MC11639: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC11639 **Client:** MATRIX ENV **Immediate Client Services Action Required:** No

Date / Time Received: 6/21/2012 **Delivery Method:** **Client Service Action Required at Login:** No

Project: SUN 760 BROOKS **No. Coolers:** 5 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC11639: Chain of Custody
Page 3 of 3

SEMI-ANNUAL 2015 SITE STATUS REPORT (JANUARY-JUNE 2015)

MATRIX ENVIRONMENTAL TECHNOLOGIES INC.

JULY 16, 2015

MATRIX
ENVIRONMENTAL TECHNOLOGIES INC.
3730 California Road
P.O. Box 427
Orchard Park, NY 14127-0427
p: 716.662.0745
f: 716.662.0946
www.matrixbiotech.com

July 16, 2015

Mr. Peter R. Miller
Engineering Geologist II
Division of Environmental Remediation
New York State Department of Environmental Conservation
6274 East Avon-Lima Road
Avon, New York 14414-9519

RE: Semi-Annual Quarter 2015 Site Status Report (January-June 2015)
Former Terminal
760 Brooks Avenue
Rochester, New York
METI Project #05-033
NYSDEC Spill #9301027

Mr. Miller:

Matrix Environmental Technologies Inc., on behalf of Evergreen Resources Group, LLC and Superior Plus Energy Services, Inc., is pleased to submit this site status report for the reference site. The report summarizes data obtained during site visits completed in January through June 2015.

In accordance with the approved work plan, all site wells (aside from remediation wells MW3-SB and MW5-SB) were decommissioned during the week of February 9, 2015. The work was completed, in part, to accommodate the construction of a building on the 762 Brooks Avenue property. However, due to ground frost and difficult Site conditions, not all the decommissioned well casings were removed at that time. METI personnel returned to the site on May 1, 2015 to remove all remaining decommissioned wellheads. While onsite, METI noticed that the Vapor Extraction System (VES) was operational, but no vacuum was detected in well MW5-SB. Upon inspection it was realized that the installation of the building footer destroyed the portion of the vacuum lines from well MW5-SB. The VES was deactivated. The lines were scheduled to be replaced in June 2015 and the VES reactivated.

METI visited the site on June 10, 2015 to evaluate the construction progress on the Site. While onsite it was discovered that well MW5-SB was gone. The area of and surrounding MW5-SB had recently been graded without notice to METI, Sunoco, or Superior Plus Energy Services, and it appeared that the well was removed inadvertently during grading. Additional inspection of the area was completed on June 15, 2015 using metal detection and hand tools, but to no avail.

The VES operated at 100% up-time during site visits completed in January, February, March, and April 2015 and was manually deactivated on May 1, 2015 for reasons mentioned above. VES exhaust measurements for the period are reported in Table 2, attached. No LNAPL was detected in well MW3-SB during the period discussed and, moreover, MW3-SB has been free of LNAPL since January 2014 (16 months). LNAPL thicknesses of 0.41 and 1.25 feet were detected in well MW5-SB in April and May 2015, respectively.

Although LNAPL had been detected intermittently in well MW5-SB, it was previously demonstrated that shallow bedrock wells nearby and downgradient of well MW5-SB were free of LNAPL impacts and those wells were subsequently decommissioned. The localization of

LNAPL in well MW5-SB suggests that the LNAPL is likely trapped in bedrock fractures and vesicles, with the thickness of the LNAPL layer fluctuating with groundwater elevation. Thirteen (13) LNAPL thickness and groundwater elevation gauging events have been completed on a monthly basis since February 27, 2014 (through May 1, 2015).

Well MW5-SB has been destroyed, unintentionally, and cannot be located. The LNAPL detected in MW5SB appears to be localized with little, if any, migration. Although the well could be replaced, the uncertainty of installing the well in the correct location and that further useful information could be gathered does not seem reasonable to pursue. This considered, combined with the prolonged absence of LNAPL in well MW3-SB, METI, on behalf of Sunoco and Superior, respectfully request that spill inactive status be assigned to NYSDEC Spill #9301027.

If you have any questions, please contact METI at 716-662-0745.

Sincerely,
Matrix Environmental Technologies Inc.

D. Robert Gill, C.P.G.
Sr. Geologist

Craig D. Zink, P.G., C.P.G.
Sr. Project Manager / Geologist

Enclosure

cc: Ms. Kinyorda Sliwiak - Evergreen Resources Group, LLC
Mr. Dan Stowell – Superior Plus Energy Products
Mr. Evan Dumrese, E.I.T., CHMM - Superior Plus Energy Products
Mr. Mike Saunders – Saunders Management

SITE STATUS REPORT
January 2015 through June 2015

Former Terminal
760 Brooks Avenue
Rochester, New York

Matrix Env. Project #05-033
Matrix Env. Project Manager: D. Robert Gill
NYSDEC Spill #89-7656
NYSDEC Contact: Peter Miller

REMEDIATION INFORMATION:

LNAPL and VAPOR RECOVERY SYSTEM SPECIFICATIONS:

Vapor Extraction System (VES)

System activation date:	January 30, 2014
System temp. deactivation date:	June 18, 2014
System reactivation date:	August 5, 2014
System deactivation date:	May 1, 2015
Equipment specifications:	5 hp regenerative blower – explosion proof
Extraction Well specifications:	MW-3 SB (3.8" bedrock core 26' to 41.2'b.g.) and MW-5 SB (3.8" bedrock core 22' to 42')
Method of air treatment:	None - discharge directly to atmosphere – 25' stack

Soil Vapor Extraction Performance Summary			
	January-15	February-15	March-15
Extraction points operational	MW-3 SB & MW-5 SB	MW-3 SB & MW-5 SB	MW-3 SB & MW-5 SB
Operation efficiency	100%	100%	100%
Average air flow (standard cubic feet per minute)	152	175	173
Average applied vacuum (inches H_20)	78	70	70
Peak effluent VOC concentration (ppm)	0	0	20

Soil Vapor Extraction Performance Summary			
	April-15	May-15	June-15
Extraction points operational	MW-3 SB & MW-5 SB	MW-3 SB & MW-5 SB	MW-3 SB & MW-5 SB
Operation efficiency	100%	Deactivated	-
Average air flow (standard cubic feet per minute)	212	-	-
Average applied vacuum (inches H_20)	50	-	-
Peak effluent VOC concentration (ppm)	11.3	-	-

VAPOR EXTRACTION SYSTEM PERFORMANCE DATA

The VES blower operated at 100% up time from January through deactivation on May 1, 2015. The system was deactivated due to the destruction of the vacuum lines from well MW5-SB.

VES DESCRIPTION & PERFORMANCE

Light non-aqueous phase liquid (LNAPL) of varying thicknesses have been identified in the shallow bedrock (SB) aquifer in wells MW-3 SB and MW-5 SB. Drop tubes have been installed in each well and connected to a vapor extraction blower. The objective of the remediation is to eliminate LNAPL via LNAPL agitation and vapor extraction. Historically, dissolved-phase groundwater VOC and SVOC concentrations have been low to below laboratory detection limits. Therefore, remediation of groundwater is not required.

The VES operated at 100% up-time during site visits completed in January, February, March, and April 2015 and was manually deactivated on May 1, 2015 due to destruction of the vacuum lines from well MW5-SB. VES exhaust measurements for the period are reported in Table 2. No LNAPL was detected in well MW3-SB during the period discussed and, moreover, MW3-SB has been free of LNAPL since January 2014 (16 months). LNAPL thicknesses of 0.41 and 1.25 feet were detected in well MW5-SB in April and May 2015, respectively.

SITE ACTIVITIES COMPLETED DURING PERIOD

Date	Activities Completed
1/14/15	VES inspection. VES operational upon arrival. Adjusted system and recorded data. Gauged wells MW-3 SB and MW-5 SB.
2/9-13/15	VES inspection. VES operational upon arrival. Adjusted system and recorded data. Gauged wells MW-3 SB and MW-5 SB. Decommissioned all site groundwater monitoring wells per the NYSDEC-approved work plan.
3/5/15	VES inspection. VES operational upon arrival. Adjusted system and recorded data. Gauged wells MW-3 SB and MW-5 SB.
4/16/15	VES inspection. VES operational upon arrival. Adjusted system and recorded data. Gauged wells MW-3 SB and MW-5 SB. Removed well MW3-SB from the VES due to absence of LNAPL.
5/1/15	Site visit to remove any remaining decommissioned well casings. Observed that vacuum line from MW5-SB were destroyed. Deactivated VES.
6/10/15	Site visit. MW5-SB was destroyed and removed during recent site grading activities.
6/15/15	Site visit. Attempted to locate well MW5-SB using metal detector and hand tools. The well could not be located.

SITE HISTORY

This property had been associated with petroleum storage from 1928 (then owned by Sun Oil Company) through the late 1980s. Information provided in a Phase I Environmental Audit Report completed for W.W. Griffith Oil Co., Inc. by DAY Engineering dated April 10, 1989 states that petroleum storage at the Site consisted of five above-ground tanks (ASTs) with a total capacity of 2.6 million gallons. However, the spill containment area (tank farm) appeared to be

about 20 feet below grade and appeared to have been excavated, which is confirmed in photographs and evident on a topographic map of the property.

Seven (7) spills were identified for 760 Brooks Avenue. The spill history began in March 1978 when the property was owned by Sunoco. In June 1985, a release of 8,000 gallons of gasoline occurred during a fuel transfer from a pipeline to the ASTs (Spill #8500903). The spill and cleanup is well documented in the DAY Engineering report and suggests that gasoline did not breach the clay liner of the tank farm floor. Remedial measures included the recovery of 4,000 gallons of gasoline and also 4,000 gallons of water, foam, and gas for disposal. Results of a subsequent soil and groundwater investigation indicated the spill response measures were successful. Permeability testing (August and September 1985) of the tank farm floor (clay) was included as an attachment in the DAY Engineering report. Permeability results of the floor ranged from 0.00 to 5.05 X 10^{-6} cm/sec; however, permeability of the walls could not be completed due to presence of unconsolidated material. The report describes the AST storage area as a former landfill which was likely excavated until stable soil was encountered to support the ASTs. The walls consisted of sandy soil, broken glass, rusty metal and decomposed vegetable matter. The spill was closed in June 1986.

Correspondence between Griffith Oil and the NYSDEC regarding NYSDEC Spill #8902275 indicates that Griffith aerated petroleum-impacted soil throughout the summer of 1989 to an acceptable level to where the NYSDEC required no additional action.

Of the remaining spills, only spill #9301027, generated in April 1993 remains active. Although no specific spill report sheet was provided, it is understood that the spill generated as a result of soil and groundwater impacts discovered as a result of a subsurface investigation (six borings and five test pits) performed in December 1992 by Van Der Horst Engineering. The investigation was completed for engineering purposes (proposed building of a hotel) and has limited environmental information. However, petroleum odors were noted in soil from boring 1, 2, 4, 5, and 6; however, odors were not identified in the soil intervals just above the bedrock interface.

In June 1993, Griffith Oil Company filed a Source Owner Soil Vent Permit with the NYSDEC to vent petroleum impacted soil in the vicinity of the former tank farm. Impacted soil in the area of the proposed hotel was excavated and staged. No further information regarding the soil venting was available.

Subsequently, over 70 soil borings have been completed at the site during multiple investigations from May 2008 to June 2012 and have resulted in the analysis of nearly 80 soil samples for VOC and SVOC concentrations, numerous groundwater gauging and sampling events, and plume delineation. A comprehensive evaluation of the soil and groundwater results was completed by METI per NYSDEC CP-51 Soil guidelines for determination of potential remediation (February 2011). No areas of SVOC impacts in soil or groundwater were identified, however, results identified four areas of VOC impacts in soil above regulatory limits and SPH in shallow bedrock wells MW-5SB and MW-3SB.

Based on the CP-51 guidelines, no remediation of soil would be necessary at the Site. Remedial Action to address the SPH impacts in bedrock wells MW-3SB and MW-5SB began in January 2014 via vapor extraction.

Results of a groundwater elevation gauging event completed in April 2010 indicate that shallow groundwater flow is to the north-northwest in the overburden and to the northwest in both the

shallow and deep bedrock aquifers. The hydraulic gradients are moderate in each water-bearing zone. The vertical gradients are downward from overburden to shallow bedrock and from shallow bedrock to deep bedrock. Light non-aqueous phase liquid (LNAPL) thicknesses of 0.10 and 2.48 feet were detected in shallow bedrock wells MW-3SB and MW-5SB, and of 0.03 feet in deep bedrock well MW-3DB (April 2010). The source of the LNAPL is currently not known, but appears to be unrelated to the petroleum impacts detected in soil based on the following;

- LNAPL impacts are located hydraulically upgradient of soil impacts; MW-3SB is located on the up-gradient portion of the Site, along the southeastern property limit;
- Shallow and deep bedrock wells nearer the soil areas are free of LNAPL impacts;
- Silt and clay soil with low permeability overlies the shallow bedrock appears to limit the vertical migration of petroleum impacts from overburden to bedrock.

FUTURE ACTIVITIES

- Spill inactive status requested.

EXPOSURE ASSESSMENT

Potential Receptors:

- Utility trenches as preferential pathways and commercial basements.

Water Supply:

- Water is supplied by a municipal source.

GENERAL GEOLOGY

The property lies at an approximate elevation of 551 feet above mean sea level. The topography of the site and surrounding neighborhood is considered relatively flat; however, the overall region slopes north towards the City of Rochester. Nearby bodies of water include the Erie Canal, located approximately 100 feet due west of the site, and the Genesee River, which is located approximately 4,700 feet southeast of the site and flows north.

Surficial geology in the area is described as lacustrine silt and clay (Cadwell, 1987); however, soil boring data indicate miscellaneous fill material generally extending from the ground surface to depths between 7 and 14 feet across the site. The fill material is generally comprised of sands and silts intermixed with gravel, ash, bricks, ceramic, cinders, coal, cobbles, concrete, glass, crushed limestone, metals, organics, slag fragments, and wood. Beneath the fill material lies a thin deposit/layer of organic silts (buried topsoil) followed by indigenous silty and gravelly sand, silt, clayey silt, and silty clay. Generally, there is an upper silty-clay interbedded complex located between the fill and lower stratum of granular silty and gravelly sand soils, which in turn overlie bedrock.

The New York State Geological Survey (New York State Museum Map and Chart Series No. 15, 1970; Geologic Map of New York State—Finger Lakes Sheet compiled by Lawrence V. Rickard and Donald W. Fisher) identifies area as underlain by the Lockport Dolostone Formation. In general, the rock beds have a slight dip to the south. Results of a groundwater elevation gauging event completed in April 2010 indicate that shallow groundwater flow is to the north-northwest in the overburden and to the northwest in both the shallow and deep bedrock aquifers. The hydraulic gradients are moderate in each water-bearing zone. The vertical gradients are downward from overburden to shallow bedrock and from shallow bedrock to deep bedrock. Light non-aqueous phase liquid (LNAPL) thicknesses of 0.10 and 2.48 feet were detected in shallow bedrock wells MW-3SB and MW-5SB, and also 0.03 feet in deep bedrock well MW-3 DB (April 2010). The source of the LNAPL is currently not known, but appears to be unrelated to the petroleum impacts detected in soil based on the following;

- LNAPL impacts are located hydraulically upgradient of soil impacts; MW-3SB is located on the up-gradient portion of the Site, along the southeastern property limit;
- Shallow and deep bedrock wells nearer the soil-impacted areas are free of LNAPL impacts;
- Silt and clay soil with low permeability overlies the shallow bedrock and appears to limit the vertical migration of petroleum impacts from overburden to bedrock.

MONITORING

Well Specification:	MW-3 SB, MW-5 SB: 2-inch steel casing socketed into bedrock. Open-hole bedrock well, 3.8" nominal core.
Gauging Frequency:	Bi-weekly
Groundwater Sampling Frequency and Analytical Method:	NA
Laboratory Used:	NA
Vapor Sampling Frequency and Analytical Method:	Quarterly, BTEX by EPA Method TO-3
Laboratory Used:	Pace Analytical (NELAC #10888)

PERMIT/LEGAL INFORMATION

- NYSDEC Region 9 Stipulation Agreement

LIST OF ATTACHMENTS

- Figure 1 — Groundwater Elevations and LNAPL Thickness
- Table 1 — Historical Groundwater Elevation and LNAPL Summary
- Table 2: — VES Exhaust Vapor OVM Concentration (ppm) over Time Data Summary
- Charts — VES Exhaust Vapor OVM Concentration (ppm) over Time
- Laboratory Analytical Results

FIGURES

RAILROAD

PENNSYLVANIA

North

MET 2

AST #13
423,414 GAL

AST #3
440,029 GAL

AST #2
440,972 GAL

AST #12
845,539 GAL

AST #1
440,583 GAL

MET 1

16–0 16–SB

17–SB 17–0

8–0 8–SB

13–0

12–0

MW–A

MW–B

15–0 15–SB

10–0 10–SB

9–0 9–SB

5–DB

5–0 5–SB
516.99
0.00

FORMER 8,000–GAL UST
(APPROX. LOCATION)

4–0 4–SB 4–DB

6–0 6–SB
6–DB

HISTORICAL GROUNDWATER
FLOW DIRECTION

VES SHED

EXTRACTION LINES
(BURIED)

MW–11SB MW–11D

FORMER LOADING RACK

MW–14SB MW–14D

1 STORY BRICK
BUILDING

2 STORY BRICK
BUILDING
"GRIFFITH ENERGY"

MW–3SB
525.44
0.00

MW–3DB
MW–3D

MW–20

MW–1 MW–5 MW–6D MW–6S

MW–4

MW–7S

1 STORY
BRICK BUILDING

MW–8

NEW YORK STATE BARGE CANAL

BROOKS AVENUE

U/G PETROLEUM LINE
(APPROX. LOCATION)

6" CHAIN LINK FENCE

7' IRON RAIL FENCE

SANDSTONE CURBING

CONC. SIDEWALK

CONC. APRON

BLACKTOP APRON

EDGE OF PAVEMENT

GUIDE RAIL

PETROLEUM
FUEL TANK

GATE

LEGEND

- AC = AIR CONDITIONER UNIT
- = BOLLARD
- = CATCH BASIN
- = CLEAN OUT
- = DECIDUOUS TREE
- G = GAS LINE MARKER
- GM = GAS METER
- = SOIL BORING LOCATION
- = GUY WIRE
- = FIRE HYDRANT
- = LIGHT POLE
- MB = MAIL BOX
- = MONUMENT
- = MONITORING WELL
- = OIL LINE MARKER
- = PARKING BUMPER
- = 1 POST SIGN
- S = SANITARY MANHOLE
- T = TELEPHONE MANHOLE
- ? = UNKNOWN MANHOLE
- = POWER POLE
- = POWER POLE W/ LIGHT
- = POWER POLE W/ LIGHT & TRANSFORMER
- = POWER POLE W/ TRANSFORMER
- = WATER SERVICE BOX
- W = WATER VALVE

GROUNDWATER ELEVATION (FT)
LANPL THICKNESS (FT)

Locations of ASTs, UST, and loading rack approximated based on 1971 Sanborn Map. Features have been removed from site.

LNAPL Thickness in feet (wells MW5 SB, MW3 SB,)

PREPARED BY: MATRIX ENVIRONMENTAL TECHNOLOGIES INC.	PROJECT MGR: DRG	PROJECT NAME / LOCATION: FORMER TERMINAL 760 BROOKS AVE. ROCHESTER, NY	TITLE: GROUNDWATER ELEVATIONS AND LNAPL THICKNESS MEASUREMENTS (MW3-SB & MW5-SB)	REVISION BY: DRG DATE: 3/12/15	DATE: MARCH 5, 2015
PREPARED FOR: EVERGREEN RESOURCES GROUP, LLC & SUPERIOR PLUS ENERGY PRODUCTS	DESIGNED BY: TVGA				PROJECT NO.: 05-033
	REVIEWED BY: CDZ				FIGURE: 1
	DRAWN BY: TVGA			SCALE IN FEET: 1"=65' (0 – 65')	20 years dedicated to a CLEANER ENVIRONMENT 1991-2011

TABLES

Table 1

Groundwater Data Summary
Former Fuel Terminal
760 Brooks Ave
Rochester, NY

Well No. & Casing Elevation	Date	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thinckness (ft)	Adj. Depth to Water (ft)	Water Elevation (ft)
MW3-SB	4/9/2010	29.76	29.86	0.10	29.78	519.01
548.79	6/19/2012	28.21	28.62	0.41	28.29	520.50
	1/30/2014	28.99	29.21	0.22	29.03	519.76
	2/27/2014	-	22.94	0.00	22.94	525.85
	3/6/2014	-	24.81	0.00	24.81	523.98
	3/25/2014	-	25.32	0.00	25.32	523.47
	4/3/2014	-	19.45	0.00	19.45	529.34
	5/29/2014	-	24.32	0.00	24.32	524.47
	6/18/2014	-	24.51	0.00	24.51	524.28
	8/5/2014	-	25.29	0.00	25.29	523.50
	9/17/2014	-	25.29	0.00	25.29	523.50
	10/23/2014	-	20.52	0.00	20.52	528.27
	11/10/2014	-	26.30	0.00	26.30	522.49
	12/15/2014	-	22.25	0.00	22.25	526.54
	1/14/2015	-	25.29	0.00	25.29	523.50
	2/10/2015	-	25.84	0.00	25.84	522.95
	3/5/2015	-	23.35	0.00	23.35	525.44
	4/16/2015	-	24.45	0.00	24.45	524.34
	5/1/2015	-	25.67	0.00	25.67	523.12

Table 1

Groundwater Data Summary
Former Fuel Terminal
760 Brooks Ave
Rochester, NY

Well No. & Casing Elevation	Date	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thinckness (ft)	Adj. Depth to Water (ft)	Water Elevation (ft)
MW5-SB	4/9/2010	34.97	37.45	2.48	35.47	513.32
551.75	6/19/2012	34.82	35.20	0.38	34.90	513.89
	1/30/2014	NG	NG	NG	NG	NG
	2/27/2014	35.00	36.85	1.85	35.37	513.42
	3/6/2014	35.30	35.55	0.25	35.35	513.44
	3/25/2014	-	35.20	0.00	35.20	513.59
	4/3/2014	-	34.90	0.00	34.90	513.89
	5/29/2014	32.14	32.99	0.85	32.31	516.48
	6/18/2014	32.23	32.23	0.00	32.23	516.56
	8/5/2014	32.08	33.22	1.14	32.31	516.48
	9/17/2014	32.27	32.51	0.24	32.32	516.47
	1/14/2015	-	32.25	0.00	32.25	516.54
	2/10/2015	-	32.39	0.00	32.39	516.40
	3/5/2015	-	31.80	0.00	31.80	516.99
	4/16/2015	32.09	32.50	0.41	32.17	516.62
	5/1/2015	31.93	33.18	1.25	32.18	516.61

NG = Not Gauged, inaccessible

Table 2

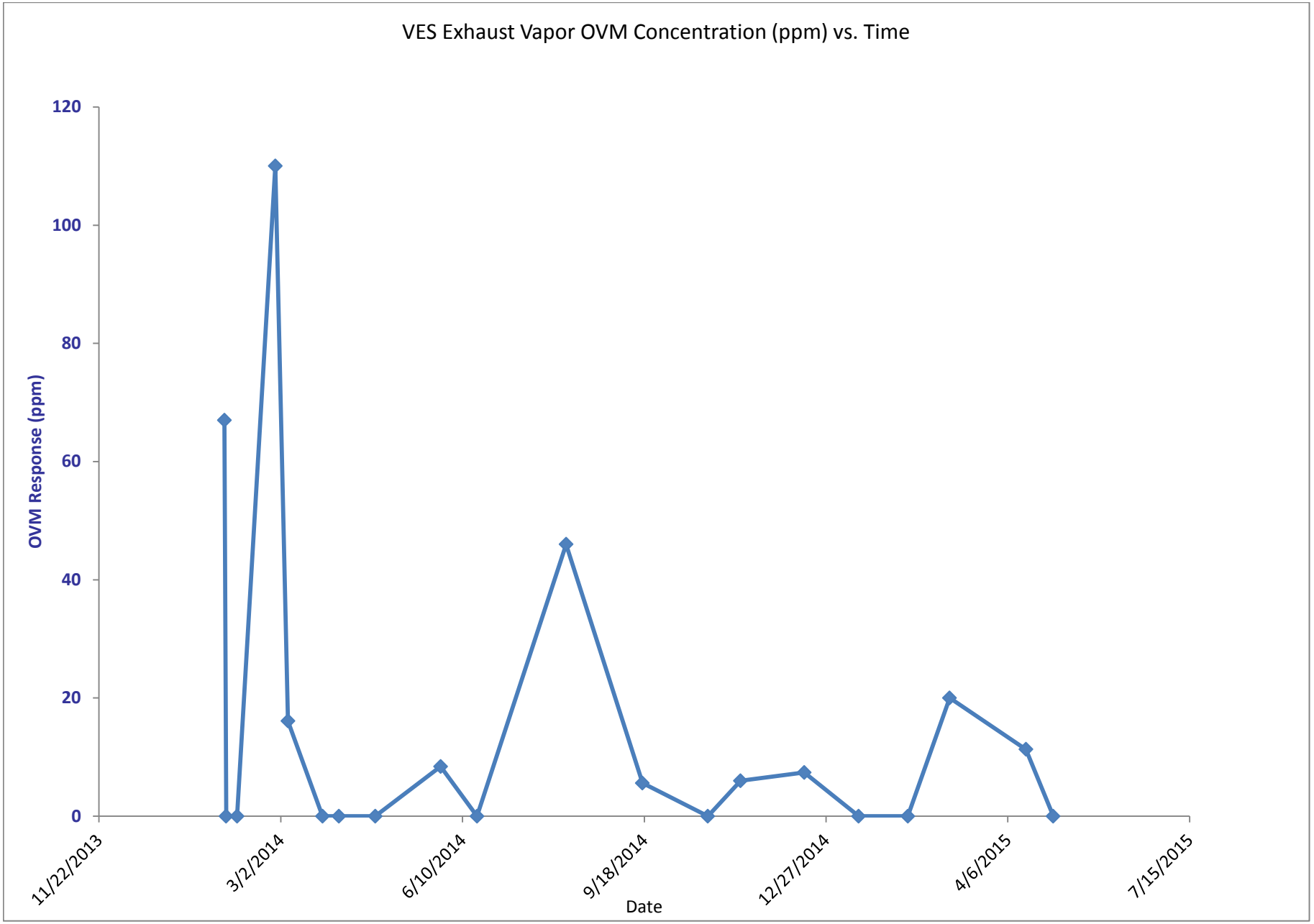
VES Exhaust Vapor OVM Concentration (ppm) over Time Data Summary

Former Fuel Terminal
760 Brooks Avenue
Rochester, New York

Period Ending	OVM
1/30/2014	67
1/31/2014	0
2/6/2014	0
2/27/2014	110
3/6/2014	16.1
3/25/2014	0
4/3/2014	0
4/23/2014	-
5/29/2014	8.4
6/18/2014	0
8/6/2014	46
9/17/2014	5.6
10/23/2014	0
11/10/2014	6
12/15/2014	7.4
1/14/2015	0
2/10/2015	0
3/5/2015	20
4/16/2015	11.3
5/1/2015	0

CHARTS

FORMER TERMINAL
760 BROOKS AVENUE
ROCHESTER, NEW YORK



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